

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
0	0	02-10-11-25	753	.0 - .0	.0 - .0	0	Trident Fontana
		B04-09-01-25	8016	.0 - .0	.0 - .0	0	EOG Waskada HZNTL
	PT	A10-24-01-26	8269	900.0 - 1666.0	2952.0 - 5464.5	2	Waskada LAm Unit No. 1 HZNTL
		A03-03-02-25	8478	910.0 - 1687.0	2984.8 - 5533.4	2	Penn West Waskada HZNTL
		06-34-01-26	9174	930.0 - 1734.0	3050.4 - 5687.5	2	Penn West Waskada Prov. HZNTL
		B09-33-01-25	9104	870.0 - 1658.0	2853.6 - 5438.2	2	Penn West Waskada HZNTL
		07-35-01-26	8303	925.0 - 1713.0	3034.0 - 5618.6	3	Penn West Waskada HZNTL
		A07-35-01-26	8304	900.0 - 1695.0	2952.0 - 5559.6	3	Penn West Waskada HZNTL
		B07-35-01-26	8305	900.0 - 1672.0	2952.0 - 5484.2	2	Penn West Waskada HZNTL
		04-01-02-26	7554	905.0 - 1793.0	2968.4 - 5881.0	3	Waskada Unit No. 13 HZNTL
		07-03-02-26	8479	930.0 - 1680.0	3050.4 - 5510.4	2	Waskada Unit No. 5 HZNTL
		C09-32-01-25	8566	930.0 - 1680.0	3050.4 - 5510.4	2	Penn West Waskada Prov. HZNTL
		B09-32-01-25	8565	880.0 - 1639.0	2886.4 - 5375.9	2	Penn West Waskada Prov. HZNTL
		15-11-02-25	7591	815.0 - 1766.0	2673.2 - 5792.5	3	Penn West Waskada Prov. HZNTL
		A14-30-01-25	8862	850.0 - 1265.0	2788.0 - 4149.2	2	Penn West Waskada
		A14-30-01-25	8862	850.0 - 1265.0	2788.0 - 4149.2	2	Penn West Waskada
		A14-30-01-25	8862	850.0 - 1265.0	2788.0 - 4149.2	2	Penn West Waskada
		A14-30-01-25	8862	850.0 - 1265.0	2788.0 - 4149.2	2	Penn West Waskada
		07-34-01-26	9175	930.0 - 1671.0	3050.4 - 5480.9	2	Penn West Waskada Prov. HZNTL
		A07-34-01-26	9176	930.0 - 1672.0	3050.4 - 5484.2	2	Penn West Waskada Prov. HZNTL
		10-25-01-26	8055	930.0 - 1796.0	3050.4 - 5890.9	2	Penn West Waskada HZNTL
		A09-32-01-25	8535	880.0 - 1668.0	2886.4 - 5471.0	2	Penn West Waskada Prov. HZNTL
		07C-02-02-26	7744	905.0 - 1754.0	2968.4 - 5753.1	3	Waskada Unit No. 5 HZNTL
		A07-02-02-26	7747	930.0 - 1785.0	3050.4 - 5854.8	3	Waskada Unit No. 5 HZNTL
		09-32-01-25	8534	930.0 - 1723.0	3050.4 - 5651.4	2	Penn West Waskada Prov. HZNTL
		11-17-01-25	8678	900.0 - 2097.0	2952.0 - 6878.2	3	Waskada Unit No. 7 HZNTL
		A11-17-01-25	8679	950.0 - 2140.0	3116.0 - 7019.2	3	Waskada Unit No. 7 HZNTL
		10-24-01-26	8268	935.0 - 1760.0	3066.8 - 5772.8	3	Waskada LAm Unit No. 1 HZNTL
		A10-25-01-26	8440	910.0 - 1847.0	2984.8 - 6058.2	2	Waskada LAm Unit No. 1 HZNTL
		A12-33-01-25	7989	925.0 - 1700.0	3034.0 - 5576.0	2	Penn West Waskada HZNTL
		B12-33-01-25	7990	880.0 - 1654.0	2886.4 - 5425.1	2	Penn West Waskada HZNTL
		A13-33-01-25	7991	880.0 - 1650.0	2886.4 - 5412.0	3	Penn West Waskada HZNTL
		12-09-02-25	8037	860.0 - 1615.0	2820.8 - 5297.2	2	Penn West Waskada HZNTL
		05-23-01-25	7952	900.0 - 1670.0	2952.0 - 5477.6	2	Penn West Waskada HZNTL
		A15-11-02-25	7592	900.0 - 1815.0	2952.0 - 5953.2	3	Penn West Waskada Prov. HZNTL
		12-11-02-25	7593	800.0 - 1604.0	2624.0 - 5261.1	3	Penn West Waskada Prov. HZNTL
		10-16-02-25	7616	810.0 - 1600.0	2656.8 - 5248.0	2	Penn West Waskada HZNTL
		07-04-02-25	7637	820.0 - 1642.0	2689.6 - 5385.8	2	Penn West Waskada HZNTL
		12-15-02-25	8036	870.0 - 1650.0	2853.6 - 5412.0	2	Penn West Waskada HZNTL
		A04-36-01-26	7781	880.0 - 1635.0	2886.4 - 5362.8	2	Waskada Unit No. 3 HZNTL
		B10-25-01-26	8461	900.0 - 1836.0	2952.0 - 6022.1	2	Waskada LAm Unit No. 1 HZNTL
		C10-25-01-26	8462	910.0 - 1827.0	2984.8 - 5992.6	2	Waskada LAm Unit No. 1 HZNTL
		D10-25-01-26	8463	880.0 - 1814.0	2886.4 - 5949.9	2	Waskada LAm Unit No. 1 HZNTL

## Non Confidential Sample Cuttings by Section / Row

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
0	PT	A09-33-01-25	9103	870.0 - 1645.0	2853.6 - 5395.6	2	Penn West Waskada HZNTL
		B10-24-01-26	8464	860.0 - 1650.0	2820.8 - 5412.0	2	Waskada LAm Unit No. 1 HZNTL
		03-03-02-25	8477	940.0 - 1680.0	3083.2 - 5510.4	2	Penn West Waskada HZNTL
21	AT	11-20-02-29	8450	1020.0 - 1749.0	3345.6 - 5736.7	2	EOG Pierson Prov. HZNTL
201	1A	12-04-03-28	4510	160.0 - 1045.0	524.8 - 3427.6	4	Cyn-Tech Pierson Prov.
		12-04-03-28	4510	160.0 - 1045.0	524.8 - 3427.6	4	Cyn-Tech Pierson Prov.
		10-28-07-23	4458	110.0 - 665.0	360.8 - 2181.2	3	Upton Deleau Prov.
	1B	16-22-09-20	4310	200.0 - 1220.0	656.0 - 4001.6	4	KLM Roseland
		04-06-11-25	4379	160.0 - 618.0	524.8 - 2027.0	2	Chevron Virden
	1C	15-17-06-22	4399	555.0 - 1359.0	1820.4 - 4457.5	4	Corvair Souris Hartney HZNTL
		03-17-06-22	4398	555.0 - 1543.0	1820.4 - 5061.0	4	Corvair Souris Hartney HZNTL
		15-17-06-22	4399	555.0 - 1359.0	1820.4 - 4457.5	4	Corvair Souris Hartney HZNTL
	2A	16B-25-01-26	4765	1100.0 - 1675.0	3608.0 - 5494.0	3	Waskada Lower Amaranth Unit No. 1
		16-25-01-26	2830	900.0 - 1703.0	2952.0 - 5585.8	4	Omega Waskada
	2B	11-22-08-28	3823	915.0 - 1584.0	3001.2 - 5195.5	3	Voyager Ewart
		14-34-01-26	4484	870.0 - 1581.5	2853.6 - 5187.3	3	Omega et al Waskada HZNTL
		12-11-01-24	4322	500.0 - 950.0	1640.0 - 3116.0	2	Tundra et al Goodlands Prov.
	2C	08-18-10-27	4316	660.0 - 829.0	2164.8 - 2719.1	3	Upton Daly
		08-18-10-27	4316	660.0 - 829.0	2164.8 - 2719.1	3	Upton Daly
12-12-02-21		4416	130.0 - 950.0	426.4 - 3116.0	4	Tundra Mountainside Prov.	
3A	02-08-06-29	4501	860.0 - 1680.0	2820.8 - 5510.4	4	Tundra Osprey et al Tilston HZNTL	
	02-08-06-29	4501	860.0 - 1680.0	2820.8 - 5510.4	4	Tundra Osprey et al Tilston HZNTL	
	08-30-10-28	4274	600.0 - 1100.0	1968.0 - 3608.0	4	Tundra Daly Prov. HZNTL	
3B	05-30-01-28	4413	155.0 - 1071.0	508.4 - 3512.9	5	Trophy W. Wild et al Lyleton	
3C	A09-32-09-25	4495	575.0 - 1485.0	1886.0 - 4870.8	5	Tundra et al Virden	
	11-29-09-25	4465	626.0 - 698.0	2053.3 - 2289.4	1	Tundra Virden Prov.	
	A08-11-03-29	4408	120.0 - 1018.0	393.6 - 3339.1	4	Tundra Pierson Prov.	
4A	14-10-07-26	4500	155.0 - 1327.0	508.4 - 4352.6	5	Ascentex et al Pipestone Prov.	
	04-16-12-29	4422	115.0 - 835.0	377.2 - 2738.8	3	Red Oak Kirkella	
4B	09-27-09-26	4403	115.0 - 669.0	377.2 - 2194.3	3	Chevron Virden	
4C	11-11-02-29	4349	1000.0 - 2464.0	3280.0 - 8081.9	5	Home Scurry Pierson Prov. HZNTL	
5A	06-08-06-28	4508	1060.0 - 1554.0	3476.8 - 5097.1	3	HCO et al S. Linklater HZNTL	
	A01-08-06-29	4498	1035.0 - 1723.0	3394.8 - 5651.4	3	Tundra Osprey Tilston HZNTL	
	06-08-06-28	4508	1060.0 - 1554.0	3476.8 - 5097.1	3	HCO et al S. Linklater HZNTL	
	06-08-06-28	4508	1060.0 - 1554.0	3476.8 - 5097.1	3	HCO et al S. Linklater HZNTL	
	06-30-09-25	4249	165.0 - 673.0	541.2 - 2207.4	3	Chevron Virden Prov.	
5B	16-06-09-29	4380	150.0 - 980.0	492.0 - 3214.4	4	Tundra Daly Prov.	
	11-10-02-29	4494	935.0 - 1838.0	3066.8 - 6028.6	4	Home Pierson HZNTL	
5C	01-25-10-21	4496	130.0 - 542.0	426.4 - 1777.7	2	Numac Kemnay	
	06-17-12-29	4351	747.0 - 1135.0	2450.2 - 3722.8	1	Neutrino Kirkella HZNTL	

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201	5C	06-17-12-29	4351	675.0 - 1175.0	2214.0 - 3854.0	3	Neutrino Kirkella HZNTL
		03-05-11-20	4497	275.0 - 512.0	902.0 - 1679.4	1	Numac Kemnay
	6A	12-05-03-28	4470	850.0 - 1494.0	2788.0 - 4900.3	4	Home Cyn-Tech Pierson HZNTL
		12-05-03-28	4470	850.0 - 1494.0	2788.0 - 4900.3	4	Home Cyn-Tech Pierson HZNTL
		09-26-02-28	4482	155.0 - 994.0	508.4 - 3260.3	4	Home South Pierson
		12-05-03-28	4470	850.0 - 1494.0	2788.0 - 4900.3	4	Home Cyn-Tech Pierson HZNTL
		12-05-03-28	4470	850.0 - 1494.0	2788.0 - 4900.3	4	Home Cyn-Tech Pierson HZNTL
	6B	12-12-01-29	4435	130.0 - 1037.5	426.4 - 3403.0	4	Home West Lyleton
		01-35-02-28	4459	125.0 - 1005.0	410.0 - 3296.4	4	Home South Pierson
	6C	01-03-02-26	4460	880.0 - 1625.0	2886.4 - 5330.0	3	Omega Waskada HZNTL
		13-05-03-28	4442	150.0 - 1020.0	492.0 - 3345.6	4	Home Cyn-Tech Pierson
		01-03-02-26	4460	880.0 - 1625.0	2886.4 - 5330.0	3	Omega Waskada HZNTL
	7A	16-06-06-28	4433	140.0 - 950.0	459.2 - 3116.0	4	Alliance Corsair et al S. Linklater
		06-06-06-28	4437	906.0 - 914.0	2971.7 - 2998.0	1	Alliance Corsair et al S. Linklater
		06-06-06-28	4437	906.0 - 914.0	2971.7 - 2998.0	1	Alliance Corsair et al S. Linklater
	7B	16-24-01-26	4471	840.0 - 2477.0	2755.2 - 8124.6	2	Omega Waskada Unit No. 12 HZNTL
		12-15-06-29	4509	1010.0 - 1335.0	3312.8 - 4378.8	2	Tundra Osprey Tilston HZNTL
		12-28-02-27	4503	150.0 - 976.0	492.0 - 3201.2	4	Home North Coulter
		02-26-01-29	4432	1155.0 - 1652.0	3788.4 - 5418.6	2	Trophy W. Wild et al Lyleton
		16-24-01-26	4471	840.0 - 2477.0	2755.2 - 8124.6	2	Omega Waskada Unit No. 12 HZNTL
02-26-01-29		4432	1155.0 - 1652.0	3788.4 - 5418.6	2	Trophy W. Wild et al Lyleton	
7C	07-22-09-29	4365	755.0 - 1338.0	2476.4 - 4388.6	3	Rideau Denali Daly Prov. HZNTL	
	01-34-09-26	4375	100.0 - 802.0	328.0 - 2630.6	3	Chevron Virden	
	16-24-01-26	4471	880.0 - 1811.0	2886.4 - 5940.0	4	Omega Waskada Unit No. 12 HZNTL	
	16-10-10-28	1206	767.0 - 833.0	2515.8 - 2732.3	1	Calstan Daly Prov.	
	16-10-10-28	1206	767.0 - 833.0	2515.8 - 2732.3	1	Calstan Daly Prov.	
	15-08-09-25	4363	565.0 - 1168.0	1853.2 - 3831.1	3	Chevron Virden	
	13-33-02-29	4298	1016.0 - 1220.0	3332.5 - 4001.6	1	Tundra Pierson	
	16-24-01-26	4471	880.0 - 1811.0	2886.4 - 5940.0	4	Omega Waskada Unit No. 12 HZNTL	
A2	10-08-16-27	7905	141.0 - 550.0	462.5 - 1804.0	2	Kinwest 08 Mariner Birdtail	
AT	A04-16-01-25	8624	940.0 - 1668.0	3083.2 - 5471.0	2	EOG Waskada Prov. HZNTL	
	02-02-02-25	8743	900.0 - 1656.0	2952.0 - 5431.7	2	EOG Waskada Prov. HZNTL	
	09-06-02-26	8829	850.0 - 1758.0	2788.0 - 5766.2	2	Surge Waskada Prov. HZNTL	
	A16-13-08-28	8838	825.0 - 2294.0	2706.0 - 7524.3	4	Tundra Daly Sinclair HZNTL	
	A05-33-07-29	8755	800.0 - 2556.0	2624.0 - 8383.7	5	Sinclair Unit No. 8 HZNTL	
BT	C01-16-01-25	8609	920.0 - 1652.0	3017.6 - 5418.6	2	EOG Waskada HZNTL	
	B14-05-01-24	8775	950.0 - 1681.0	3116.0 - 5513.7	2	EOG Waskada HZNTL	
	13-01-09-28	8726	720.0 - 2224.0	2361.6 - 7294.7	4	Tundra Daly Sinclair Prov. HZNTL	
	B03-08-01-24	8774	950.0 - 1645.0	3116.0 - 5395.6	2	EOG Waskada HZNTL	
	16-12-09-28	8858	725.0 - 1264.0	2378.0 - 4145.9	4	Tundra Magellan Daly Sinclair Prov. HZNTL	
	D01-16-01-25	8622	950.0 - 1685.0	3116.0 - 5526.8	2	EOG Waskada HZNTL	

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201	CT	A06-26-01-25	8442	940.0 - 1676.0	3083.2 - 5497.3	2	EOG Waskada HZNTL
		A12-14-02-29	8706	950.0 - 1849.0	3116.0 - 6064.7	3	Red Beds Pierson HZNTL
		12-17-10-28	8781	925.0 - 2173.0	3034.0 - 7127.4	4	Tundra Daly Sinclair HZNTL
		04-22-01-25	8785	900.0 - 1657.0	2952.0 - 5435.0	2	EOG Waskada HZNTL
		11-02-02-28	8841	1010.0 - 1970.0	3312.8 - 6461.6	3	EOG Pierson HZNTL
		03-26-01-25	8515	940.0 - 1683.0	3083.2 - 5520.2	2	EOG Waskada HZNTL
		12-17-10-28	8781	925.0 - 2173.0	3034.0 - 7127.4	4	Tundra Daly Sinclair HZNTL
202	CT	A13-29-07-29	9204	835.0 - 2543.0	2738.8 - 8341.0	5	Tundra Daly Sinclair Prov. HZNTL
	1A	08-32-02-25	2803	155.0 - 1160.0	508.4 - 3804.8	4	Murphy et al N. Waskada
		09-03-01-24	4347	125.0 - 973.0	410.0 - 3191.4	4	Tundra Goodlands
	1B	07-33-10-29	4431	120.0 - 924.0	393.6 - 3030.8	4	Tundra Daly
		A15-29-01-28	4343	115.0 - 1040.0	377.2 - 3411.2	4	Omega Lyleton Prov.
	1C	12-34-15-26	4383	150.0 - 1318.0	492.0 - 4323.1	6	Chel TRC Teck Birtle Prov.
	2A	02-13-02-27	4330	135.0 - 1270.0	442.8 - 4165.6	5	Home OMV Scurry Coulter
		01-16-02-29	4394	925.0 - 1709.0	3034.0 - 5605.5	4	Home S. Pierson Unit No. 1 Prov.
	2B	07-15-02-29	4345	1005.0 - 1870.0	3296.4 - 6133.6	7	Home Scurry Pierson HZNTL
		07-15-02-29	4345	1005.0 - 1870.0	3296.4 - 6133.6	7	Home Scurry Pierson HZNTL
		12-07-12-29	4415	650.0 - 758.0	2132.0 - 2486.3	1	Red Oak Kirkella
		07-15-02-29	4345	1005.0 - 1870.0	3296.4 - 6133.6	7	Home Scurry Pierson HZNTL
	2C	07-06-02-28	4361	145.0 - 1060.0	475.6 - 3476.8	4	Omega Lyleton
		13-21-10-29	3670	115.0 - 905.0	377.2 - 2968.4	2	Newscope Opinac Daly
	3A	04-14-01-24	4357	125.0 - 972.0	410.0 - 3188.2	4	Tundra et al Goodlands
		07-32-01-28	4360	115.0 - 1055.0	377.2 - 3460.4	4	Omega Lyleton
		04-14-01-24	4357	125.0 - 972.0	410.0 - 3188.2	4	Tundra et al Goodlands
	3B	A15-31-05-29	4514	885.0 - 1660.0	2902.8 - 5444.8	8	Osprey Tundra Tilston
	3C	15-28-09-28	3654	809.0 - 855.0	2653.5 - 2804.4	1	Beaverhead et al Daly Prov.
		16-22-09-29	3608	835.0 - 912.0	2738.8 - 2991.4	1	Beaverhead et al Daly
		16-22-09-29	3608	835.0 - 912.0	2738.8 - 2991.4	1	Beaverhead et al Daly
		15-28-09-28	3654	809.0 - 855.0	2653.5 - 2804.4	1	Beaverhead et al Daly Prov.
	4A	04-01-08-24	4314	120.0 - 745.0	393.6 - 2443.6	4	Mark Oak Lake Prov.
	4B	A10-31-05-29	2648	1000.0 - 1763.0	3280.0 - 5782.6	3	Tundra Tilston
		03-31-05-29	2844	950.0 - 1463.0	3116.0 - 4798.6	3	Tundra Tilston
		10-31-05-29	1299	1000.0 - 1763.0	3280.0 - 5782.6	3	Sweet Grass Tilston
	4C	A01-08-06-29	4498	1035.0 - 1723.0	3394.8 - 5651.4	3	Tundra Osprey Tilston HZNTL
07-33-10-29		4431	852.0 - 924.0	2794.6 - 3030.8	1	Tundra Daly	
05-16-10-28		4317	734.0 - 832.0	2407.5 - 2728.9	1	Tundra Daly Prov.	
05-16-10-28		4317	734.0 - 832.0	2407.5 - 2728.9	1	Tundra Daly Prov.	
12-32-05-29		365	920.0 - 1538.0	3017.6 - 5044.6	3	Owen Tilston Prov.	
5A	04-22-10-28	4016	675.0 - 850.0	2214.0 - 2788.0	2	MOGC MLC Daly Prov.	
	03-31-05-29	4506	1082.0 - 1584.0	3549.0 - 5195.5	2	Osprey Tundra Tilston HZNTL	
	03-31-05-29	4506	1082.0 - 1584.0	3549.0 - 5195.5	2	Osprey Tundra Tilston HZNTL	

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202	5A	09-14-10-29	4035	550.0 - 880.0	1804.0 - 2886.4	2	MOGC Daly
	5B	15-11-10-29	3909	645.0 - 890.0	2115.6 - 2919.2	2	MOGC Daly Prov.
		13-06-09-27	3913	420.0 - 855.0	1377.6 - 2804.4	3	MOGC MLC Daly Prov.
		13-06-09-27	3913	420.0 - 855.0	1377.6 - 2804.4	3	MOGC MLC Daly Prov.
		13-16-10-28	4022	683.0 - 845.0	2240.2 - 2771.6	2	MOGC MLC Daly Prov.
		04-02-10-29	3966	729.0 - 910.0	2391.1 - 2984.8	2	Interwest Daly Sinclair
		04-02-10-29	3966	729.0 - 910.0	2391.1 - 2984.8	2	Interwest Daly Sinclair
		5C	07-14-10-29	3912	465.0 - 856.0	1525.2 - 2807.7	2
	13-06-01-25		2786	800.0 - 978.0	2624.0 - 3207.8	1	New Scope S. Waskada
	06-33-09-29		4015	758.0 - 935.0	2486.2 - 3066.8	2	MOGC Daly
	07-16-10-29		3967	730.0 - 910.0	2394.4 - 2984.8	2	MOGC Daly
	07-14-10-29		3912	465.0 - 856.0	1525.2 - 2807.7	2	MOGC Daly
	6A	11-06-06-28	4516	1005.0 - 1424.0	3296.4 - 4670.7	2	HCO et al S. Linklater HZNTL
		16-06-06-28	4433	870.0 - 960.0	2853.6 - 3148.8	1	Alliance Corsair et al S. Linklater
		11-06-06-28	4516	1005.0 - 1424.0	3296.4 - 4670.7	2	HCO et al S. Linklater HZNTL
		11-06-06-28	4516	1005.0 - 1424.0	3296.4 - 4670.7	2	HCO et al S. Linklater HZNTL
		06-29-02-29	4548	130.0 - 1079.0	426.4 - 3539.1	4	Home Pierson Prov.
	6B	10-14-10-29	2645	754.0 - 877.0	2473.1 - 2876.6	1	Kywan GNOL West Daly
		07-23-10-29	4286	758.0 - 860.0	2486.2 - 2820.8	1	Tundra Daly
		13-12-10-29	4251	760.0 - 852.0	2492.8 - 2794.6	1	Tundra Daly
12-12-10-29		4296	750.0 - 869.0	2460.0 - 2850.3	1	Tundra Daly	
04-13-10-29		4250	764.0 - 864.0	2505.9 - 2834.0	1	Tundra Daly	
03-19-02-26		4517	125.0 - 975.0	410.0 - 3198.0	4	Home Waskada	
6C	12-22-02-29	4256	1020.0 - 1034.0	3345.6 - 3391.5	1	Tundra Pierson Prov.	
	09-12-01-26	2912	800.0 - 969.0	2624.0 - 3178.3	1	New Scope S. Waskada	
	09-12-01-26	2912	800.0 - 969.0	2624.0 - 3178.3	1	New Scope S. Waskada	
	04-20-02-29	4194	996.0 - 1010.0	3266.9 - 3312.8	1	Home Scurry S. Pierson Prov.	
	02-22-02-29	4255	1020.0 - 1040.0	3345.6 - 3411.2	1	Tundra Pierson Prov.	
	12-02-10-29	4220	775.0 - 874.0	2542.0 - 2866.8	1	Tundra Daly	
	15-12-01-26	2855	800.0 - 959.0	2624.0 - 3145.5	1	New Scope S. Waskada	
	13-07-01-25	3199	490.0 - 972.0	1607.2 - 3188.2	1	New Scope et al Waskada	
	01-14-10-29	4222	752.0 - 874.0	2466.6 - 2866.8	1	Tundra Daly	
	7A	04-22-02-29	4171	1021.0 - 1039.0	3348.9 - 3408.0	1	Tundra Pierson Prov.
14-07-01-25		3200	875.0 - 985.0	2870.0 - 3230.8	1	New Scope et al Waskada	
04-19-02-29		4457	1002.0 - 1024.0	3286.6 - 3358.8	1	Home Pierson	
04-17-02-29		4236	1038.0 - 1052.0	3404.6 - 3450.6	1	Home Scurry S. Pierson	
16-12-01-26		2816	800.0 - 975.0	2624.0 - 3198.0	1	New Scope S. Waskada	
05-13-10-29		4105	720.0 - 851.0	2361.6 - 2791.2	1	Tundra Daly	
04-07-01-25		2779	660.0 - 980.0	2164.8 - 3214.4	2	New Scope S. Waskada	
13-13-10-29		4106	735.0 - 875.0	2410.8 - 2870.0	1	Tundra Daly	
13-13-10-29		4106	735.0 - 875.0	2410.8 - 2870.0	1	Tundra Daly	
11-07-01-25		2902	875.0 - 970.0	2870.0 - 3181.6	1	New Scope S. Waskada	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
202	7A	04-07-01-25	2779	660.0 - 980.0	2164.8 - 3214.4	2	New Scope S. Waskada
	7B	03-30-10-28	4166	726.0 - 824.0	2381.3 - 2702.8	1	Tundra et al Daly
		13-29-10-28	4167	715.0 - 840.0	2345.2 - 2755.2	1	Tundra et al Daly Prov.
		13-29-10-28	4167	715.0 - 840.0	2345.2 - 2755.2	1	Tundra et al Daly Prov.
		16-15-09-28	4153	735.0 - 855.0	2410.8 - 2804.4	1	Tundra et al Daly
		04-24-10-29	4159	758.0 - 854.0	2486.2 - 2801.1	1	Tundra Daly
		09-30-10-28	4219	730.0 - 834.0	2394.4 - 2735.5	1	Tundra Daly
		16-30-10-28	4221	730.0 - 830.0	2394.4 - 2722.4	1	Tundra Daly
		02-23-10-29	4113	761.0 - 850.0	2496.1 - 2788.0	1	Tundra Daly
		15-14-10-29	4036	550.0 - 875.0	1804.0 - 2870.0	2	MOGC Daly
		08-14-10-29	4108	733.0 - 877.0	2404.2 - 2876.6	1	Tundra Daly
	07-12-04-22	4114	750.0 - 806.0	2460.0 - 2643.7	1	Tundra Regent	
	7C	15-12-09-29	3965	720.0 - 927.0	2361.6 - 3040.6	2	MOGC Daly Prov.
		02-02-09-28	3926	670.0 - 875.0	2197.6 - 2870.0	2	MOGC Daly Prov.
		16-14-10-29	3927	720.0 - 875.0	2361.6 - 2870.0	2	MOGC Daly
		07-34-08-28	3898	455.0 - 870.0	1492.4 - 2853.6	3	MOGC Daly Prov.
	AT	09-14-02-29	8703	950.0 - 1879.0	3116.0 - 6163.1	3	Red Beds Pierson HZNTL
		13-28-10-28	8875	725.0 - 1539.0	2378.0 - 5047.9	4	CPEC Daly Sinclair HZNTL
		B12-14-02-29	8707	950.0 - 1829.0	3116.0 - 5999.1	3	Red Beds Pierson HZNTL
		04-25-08-29	8822	800.0 - 2218.0	2624.0 - 7275.0	4	Tundra Daly Sinclair HZNTL
BT	13-09-09-28	8860	730.0 - 2223.0	2394.4 - 7291.4	4	Tundra Daly Sinclair HZNTL	
	08-32-08-29	8691	850.0 - 2340.0	2788.0 - 7675.2	5	Tundra Daly Sinclair Prov. HZNTL	
	12-04-10-29	8852	825.0 - 2275.0	2706.0 - 7462.0	4	Tundra Daly Sinclair Prov. HZNTL	
	11-30-01-28	9099	950.0 - 1689.0	3116.0 - 5539.9	2	Red Beds Pierson Prov. HZNTL	
CT	04-27-09-28	9294	700.0 - 2363.0	2296.0 - 7750.6	4	Tundra Daly Sinclair HZNTL	
	A04-14-09-29	9293	880.0 - 2331.0	2886.4 - 7645.7	3	Tundra Daly Sinclair Prov. HZNTL	
	A09-32-08-29	9130	820.0 - 2253.0	2689.6 - 7389.8	4	Tundra Daly Sinclair Prov. HZNTL	
203	BT	A14-20-01-27	9222	970.0 - 1812.0	3181.6 - 5943.4	2	EOG Coulter HZNTL
	1A	02-19-02-29	4538	800.0 - 2481.0	2624.0 - 8137.7	7	Home Pierson HZNTL
		02-19-02-29	4538	800.0 - 2481.0	2624.0 - 8137.7	7	Home Pierson HZNTL
	1B	10-02-03-27	4524	125.0 - 950.0	410.0 - 3116.0	4	Omega S. Melita
		02-19-02-29	4538	1140.0 - 1980.0	3739.2 - 6494.4	4	Home Pierson HZNTL
		02-19-02-29	4538	1140.0 - 1980.0	3739.2 - 6494.4	4	Home Pierson HZNTL
	1C	14-16-06-22	1871	550.0 - 1390.0	1804.0 - 4559.2	4	Texaco Souris
		11-35-01-26	3096	950.0 - 1585.0	3116.0 - 5198.8	3	Omega Waskada
		12-06-03-29	4544	1005.0 - 1090.0	3296.4 - 3575.2	1	Westrex et al Pierson Prov.
		11-35-01-26	3096	950.0 - 1585.0	3116.0 - 5198.8	3	Omega Waskada
	2A	14A-08-02-29	5847	975.0 - 1035.0	3198.0 - 3394.8	1	South Pierson Unit No. 1
		03-31-05-29	2844	950.0 - 1463.0	3116.0 - 4798.6	3	Tundra Tilston
		01-15-05-28	4567	175.0 - 970.0	574.0 - 3181.6	4	HCO East Tilston
14B-08-02-29		5846	975.0 - 1035.0	3198.0 - 3394.8	1	South Pierson Unit No. 1	

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**Section / Row**

**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
203	2B	A10-31-05-29	2648	1000.0 - 1745.0	3280.0 - 5723.6	3	Tundra Tilston
		10-31-05-29	1299	1000.0 - 1745.0	3280.0 - 5723.6	3	Sweet Grass Tilston
		03-18-03-28	4507	1100.0 - 1877.0	3608.0 - 6156.6	4	Tundra et al Pierson HZNTL
	2C	08-10-06-28	4568	165.0 - 935.0	541.2 - 3066.8	4	HCO Cabre S. Linklater Prov.
	3A	03-14-02-29	5990	975.0 - 1035.0	3198.0 - 3394.8	1	CNRL Pierson Prov.
		16D-05-02-29	5884	975.0 - 1035.0	3198.0 - 3394.8	1	South Pierson Unit No. 1
		06-07-03-29	4541	160.0 - 1090.0	524.8 - 3575.2	4	HCO et al Pierson
		07-15-02-29	4345	1285.0 - 1828.0	4214.8 - 5995.8	3	Home Scurry Pierson HZNTL
		07-15-02-29	4345	1285.0 - 1828.0	4214.8 - 5995.8	3	Home Scurry Pierson HZNTL
	4A	13-25-02-27	4518	150.0 - 961.0	492.0 - 3152.0	4	Home N. Coulter
		05-08-06-28	4535	150.0 - 950.0	492.0 - 3116.0	4	HCO et al S. Linklater
	4B	10-18-10-27	4434	718.0 - 767.0	2355.0 - 2515.7	1	Tundra et al Daly
		10-18-10-27	4434	718.0 - 767.0	2355.0 - 2515.7	1	Tundra et al Daly
		12-09-06-29	3074	875.0 - 996.0	2870.0 - 3266.9	1	New Scope et al Tilston
		12-13-10-29	4060	758.0 - 890.0	2486.2 - 2919.2	1	MOGC Daly
		04-18-09-28	4051	790.0 - 930.0	2591.2 - 3050.4	1	MOGC Daly
		14-30-05-29	2941	900.0 - 998.0	2952.0 - 3273.4	1	New Scope-Tundra et al Tilston
		15-20-08-25	4050	615.0 - 835.0	2017.2 - 2738.8	3	MOGC Sceptre Oak Lake Prov.
	4C	10-12-01-26	3032	875.0 - 949.0	2870.0 - 3112.8	1	New Scope et al Waskada
		08-30-10-29	3687	670.0 - 905.0	2197.6 - 2968.4	2	Newscope Opinac Daly
05-21-10-29		4018	705.0 - 905.0	2312.4 - 2968.4	1	Newscope Opinac Daly	
02-28-10-29		4032	705.0 - 895.0	2312.4 - 2935.6	1	Newscope et al Daly	
01-16-09-29		3828	695.0 - 952.0	2279.6 - 3122.6	2	Newscope Cromwell Daly	
5A	11-21-10-29	3755	682.0 - 905.0	2237.0 - 2968.4	2	Newscope Opinac Daly	
	02-16-06-29	4099	805.0 - 957.0	2640.4 - 3138.9	1	Newscope Tilston Prov.	
	09-29-10-29	4017	705.0 - 895.0	2312.4 - 2935.6	1	Newscope Opinac Daly Prov.	
	11-28-10-29	4031	705.0 - 895.0	2312.4 - 2935.6	1	Newscope Opinac Daly Prov.	
	12-32-09-29	3489	765.0 - 867.0	2509.2 - 2843.7	1	Newscope et al Butler Prov.	
	13-21-10-29	3670	715.0 - 905.0	2345.2 - 2968.4	1	Newscope Opinac Daly	
	12-36-09-29	3399	740.0 - 892.0	2427.2 - 2925.7	2	Newscope et al Daly Prov.	
	12-36-09-29	3399	740.0 - 892.0	2427.2 - 2925.7	2	Newscope et al Daly Prov.	
	03-28-10-29	4004	685.0 - 900.0	2246.8 - 2952.0	1	Newscope et al Daly	
5B	11-11-11-29	3897	450.0 - 876.0	1476.0 - 2873.2	5	MOGC MLC S. Kirkella Prov.	
	15-28-09-28	3654	809.5 - 847.5	2655.2 - 2779.8	1	Beaverhead et al Daly Prov.	
	15-28-09-28	3654	809.5 - 847.5	2655.2 - 2779.8	1	Beaverhead et al Daly Prov.	
	05-02-10-29	4034	730.0 - 904.0	2394.4 - 2965.1	2	MOGC Daly	
	02-14-09-28	4443	768.0 - 855.0	2519.0 - 2804.4	1	Tundra Daly Prov.	
	09-32-10-29	4428	856.0 - 874.0	2807.7 - 2866.8	1	Tundra Daly	
	05-02-10-29	4034	730.0 - 904.0	2394.4 - 2965.1	2	MOGC Daly	
05-15-06-29	3337	830.0 - 965.0	2722.4 - 3165.2	1	Newscope et al Tilston		
5C	02-26-09-29	670	817.0 - 974.0	2679.8 - 3194.8	1	Dome Cox HB Ebor	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
203	5C	02-26-09-29	670	817.0 - 974.0	2679.8 - 3194.8	1	Dome Cox HB Ebor
		01-03-01-25	3223	825.0 - 975.0	2706.0 - 3198.0	1	New Scope et al Waskada
		03-05-11-20	4497	125.0 - 270.0	410.0 - 885.6	1	Numac Kemnay
		01-06-10-28	3786	833.5 - 875.5	2733.9 - 2871.6	1	Beaverhead et al Daly Prov.
		13-26-09-29	3579	815.0 - 910.0	2673.2 - 2984.8	1	Mead Daly
		02-26-09-29	670	817.0 - 974.0	2679.8 - 3194.8	1	Dome Cox HB Ebor
		01-06-10-28	3786	833.5 - 875.5	2733.9 - 2871.6	1	Beaverhead et al Daly Prov.
		13-26-09-29	3579	815.0 - 910.0	2673.2 - 2984.8	1	Mead Daly
6A		11-31-04-28	4569	165.0 - 985.0	541.2 - 3230.8	4	Trinity West Melita
		02-08-06-29	4501	1115.0 - 1680.0	3657.2 - 5510.4	3	Tundra Osprey et al Tilston HZNTL
6B		02-08-06-29	4501	1115.0 - 1680.0	3657.2 - 5510.4	3	Tundra Osprey et al Tilston HZNTL
		14-24-02-26	4583	160.0 - 1255.0	524.8 - 4116.4	5	Northrock Waskada Prov.
		14-10-09-28	4545	685.0 - 858.0	2246.8 - 2814.3	1	Tundra Daly Prov.
6C		10-29-05-29	4543	250.0 - 980.0	820.0 - 3214.4	3	Tundra Tilston Prov.
		A03-31-05-29	4519	1055.0 - 1528.0	3460.4 - 5011.8	3	HCO Tundra Tilston HZNTL
		A03-31-05-29	4519	1082.0 - 1545.0	3549.0 - 5067.6	3	HCO Tundra Tilston HZNTL
		03-31-05-29	4506	1055.0 - 1528.0	3460.4 - 5011.8	3	Osprey Tundra Tilston HZNTL
		03-31-05-29	4506	1055.0 - 1528.0	3460.4 - 5011.8	3	Osprey Tundra Tilston HZNTL
		03-31-05-29	4506	1082.0 - 1545.0	3549.0 - 5067.6	3	Osprey Tundra Tilston HZNTL
		A05-24-02-26	4584	800.0 - 1395.0	2624.0 - 4575.6	3	Northrock Waskada Prov.
7A		03-31-05-29	4506	1082.0 - 1545.0	3549.0 - 5067.6	3	Osprey Tundra Tilston HZNTL
		07-33-04-27	4579	420.0 - 1098.0	1377.6 - 3601.4	3	Ballistic Melita
		07-11-03-29	4554	1010.0 - 1697.0	3312.8 - 5566.2	4	Tundra et al Pierson Prov. HZNTL
		07-11-03-29	4554	1010.0 - 1697.0	3312.8 - 5566.2	4	Tundra et al Pierson Prov. HZNTL
		07-11-03-29	4554	1010.0 - 1697.0	3312.8 - 5566.2	4	Tundra et al Pierson Prov. HZNTL
7B		11-31-03-27	4578	450.0 - 981.0	1476.0 - 3217.7	3	Ballistic Pierson
		12-15-09-29	3923	875.0 - 944.0	2870.0 - 3096.3	1	Rideau Dart Daly
		02-19-09-29	3840	922.0 - 956.0	3024.2 - 3135.7	1	Newscope et al Daly
7C		08-15-02-20	1537	500.0 - 1606.3	1640.0 - 5268.7	8	Jumping Pound Prospect High Crest et al
		A03-18-03-28	4557	900.0 - 1895.0	2952.0 - 6215.6	4	Tundra et al Pierson HZNTL
		04-06-03-27	4581	140.0 - 1003.0	459.2 - 3289.8	4	Trinity Pierson Prov.
AT		10-30-09-26	4580	155.0 - 832.0	508.4 - 2728.9	3	Trinity Virden
		16-27-07-28	9012	810.0 - 2476.0	2656.8 - 8121.3	4	Tundra Daly Sinclair HZNTL
		14-20-03-28	9295	900.0 - 1032.0	2952.0 - 3385.0	1	Tundra Pierson HZNTL
		03-08-10-28	9073	715.0 - 2356.0	2345.2 - 7727.7	4	Tundra Daly Sinclair HZNTL
		A06-05-01-24	8334	950.0 - 1651.0	3116.0 - 5415.3	2	EOG Waskada HZNTL
		16-20-03-28	9284	900.0 - 1020.0	2952.0 - 3345.6	1	Tundra Pierson HZNTL
		16-14-01-21	4941	1190.0 - 2173.0	3903.2 - 7127.4	2	Tundra Lulu Lake Prov. HZNTL
		16-14-01-21	4941	1690.0 - 2097.5	5543.2 - 6879.8	1	Tundra Lulu Lake Prov. HZNTL
		16-14-01-21	4941	1190.0 - 2173.0	3903.2 - 7127.4	2	Tundra Lulu Lake Prov. HZNTL
		16-14-01-21	4941	1190.0 - 2173.0	3903.2 - 7127.4	2	Tundra Lulu Lake Prov. HZNTL
16-14-01-21	4941	1690.0 - 2097.5	5543.2 - 6879.8	1	Tundra Lulu Lake Prov. HZNTL		



## Non Confidential Sample Cuttings by Section / Row

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
203	AT	16-14-01-21	4941	1690.0 - 2097.5	5543.2 - 6879.8	1	Tundra Lulu Lake Prov. HZNTL
		16-14-01-21	4941	1690.0 - 2097.5	5543.2 - 6879.8	1	Tundra Lulu Lake Prov. HZNTL
		16-14-01-21	4941	1190.0 - 2173.0	3903.2 - 7127.4	2	Tundra Lulu Lake Prov. HZNTL
	BT	B14-20-01-27	9223	960.0 - 1839.0	3148.8 - 6031.9	3	EOG Coulter HZNTL
		B04-09-02-28	9096	980.0 - 1686.0	3214.4 - 5530.1	2	EOG Pierson HZNTL
		06-05-01-24	8333	930.0 - 1672.0	3050.4 - 5484.2	2	EOG Waskada HZNTL
		03-03-02-28	9182	980.0 - 1708.0	3214.4 - 5602.2	2	EOG Pierson HZNTL
		A04-09-02-28	9095	980.0 - 1679.0	3214.4 - 5507.1	2	EOG Pierson HZNTL
		11-03-02-28	9108	1040.0 - 1777.0	3411.2 - 5828.6	2	EOG Pierson HZNTL
		A14-05-01-24	8662	940.0 - 1648.0	3083.2 - 5405.4	2	EOG Waskada HZNTL
	CT	02-21-09-28	9283	700.0 - 2375.0	2296.0 - 7790.0	4	Tundra et al Daly Sinclair HZNTL
		04-14-10-29	9248	820.0 - 2137.5	2689.6 - 7011.0	3	Tundra Daly Sinclair HZNTL
		04-03-10-29	9261	700.0 - 2437.0	2296.0 - 7993.4	5	Tundra Daly Sinclair HZNTL
		14-16-09-28	9234	700.0 - 2392.0	2296.0 - 7845.8	4	Tundra Daly Sinclair HZNTL
204	1B	04-22-07-28	439	442.0 - 920.5	1449.6 - 3019.2	4	J.P. Owen - Nash
	2A	06-24-01-21	259	3.1 - 993.7	10.0 - 3259.2	7	Royalite Triad et al Lulu Lake No. 2
	2B	05-32-05-29	181	.0 - 963.2	.0 - 3159.2	7	Calstan Tilston Prov.ince
	3A	02-29-02-29	394	.0 - 749.8	.0 - 2459.4	5	Calstan Pierson Prov.
	3B	05-03-10-27	212	201.2 - 847.3	659.8 - 2779.3	5	Imperial Virden
	4A	04-35-08-25	432	91.4 - 749.8	299.9 - 2459.4	5	Can Dev Oak Lake CPR
	4B	10-09-01-27	172	201.2 - 981.5	659.8 - 3219.2	6	Hunt No. 1
	5B	03-07-10-28	7949	755.0 - 1990.0	2476.4 - 6527.2	4	Tundra Daly Sinclair HZNTL
	5C	03-17-02-24	7933	850.0 - 2320.0	2788.0 - 7609.6	3	Red Beds Goodlands HZNTL
		13-15-01-25	7874	900.0 - 1602.0	2952.0 - 5254.6	2	Red Beds Waskada HZNTL
		09-36-16-28	7650	480.0 - 1193.0	1574.4 - 3913.0	2	Tundra St. Lazare Prov. HZNTL
	6A	16-10-01-24	4643	500.0 - 975.0	1640.0 - 3198.0	2	Tundra et al Goodlands
		09-14-02-29	4367	935.0 - 1034.0	3066.8 - 3391.5	1	Cyn-Tech Pierson
		06-09-06-26	4621	350.0 - 1025.0	1148.0 - 3362.0	3	Rigel South Pipestone Prov.
		10-14-01-24	4625	600.0 - 968.0	1968.0 - 3175.1	2	Rigel et al Goodlands
		06-09-06-26	4621	350.0 - 1025.0	1148.0 - 3362.0	3	Rigel South Pipestone Prov.
	6B	03-03-03-28	4629	500.0 - 1015.0	1640.0 - 3329.2	2	Tundra et al Pierson
	6C	03-31-05-29	4506	1550.0 - 1584.0	5084.0 - 5195.5	1	Osprey Tundra Tilston HZNTL
		12-11-01-24	4322	500.0 - 950.0	1640.0 - 3116.0	2	Tundra et al Goodlands Prov.
		A08-11-03-29	4408	980.0 - 1020.0	3214.4 - 3345.6	1	Tundra Pierson Prov.
08-30-10-28		4274	892.0 - 1190.0	2925.8 - 3903.2	2	Tundra Daly Prov. HZNTL	
03-31-05-29		4506	1550.0 - 1584.0	5084.0 - 5195.5	1	Osprey Tundra Tilston HZNTL	
06-30-09-25		4249	165.0 - 673.0	541.2 - 2207.4	3	Chevron Virden Prov.	
7A		05-22-10-28	4577	650.0 - 836.0	2132.0 - 2742.0	1	Compton Daly Prov.
	05-15-06-29	4810	900.0 - 1375.0	2952.0 - 4510.0	6	Tundra et al Tilston HZNTL	
	04-12-01-24	4575	875.0 - 1266.0	2870.0 - 4152.5	2	Rigel Goodlands	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
204	7B	08-17-10-29	4549	740.0 - 910.0	2427.2 - 2984.8	1	Tundra Daly
		14-15-06-29	4540	890.0 - 954.0	2919.2 - 3129.1	1	Tundra HCO Tilston
		11-32-10-29	4490	772.0 - 855.0	2532.2 - 2804.4	1	Tundra Corvair Daly
		07-05-11-29	4553	165.0 - 890.0	541.2 - 2919.2	3	Tundra et al South Kirkella
		11-30-10-29	4552	700.0 - 915.0	2296.0 - 3001.2	1	Tundra et al Daly
		03-33-10-29	4489	760.0 - 911.0	2492.8 - 2988.0	1	Tundra Daly
		08-17-10-29	4549	740.0 - 910.0	2427.2 - 2984.8	1	Tundra Daly
	7C	11-15-06-29	4475	880.0 - 963.0	2886.4 - 3158.6	1	Tundra Osprey Tilston
		11-15-06-29	4475	880.0 - 963.0	2886.4 - 3158.6	1	Tundra Osprey Tilston
		11-33-10-29	4462	862.0 - 866.0	2827.4 - 2840.5	1	Tundra Daly
		10-17-10-29	4469	780.0 - 906.0	2558.4 - 2971.7	1	Tundra Daly
		10-17-10-29	4469	780.0 - 906.0	2558.4 - 2971.7	1	Tundra Daly
		02-20-03-29	4533	140.0 - 1265.0	459.2 - 4149.2	5	Tundra Pierson Prov.
		05-09-11-29	4550	150.0 - 864.0	492.0 - 2834.0	3	Tundra et al South Kirkella
	AT	04-10-09-28	8788	800.0 - 2373.0	2624.0 - 7783.4	5	Tundra Daly Sinclair HZNTL
		A04-06-09-29	8762	895.0 - 2356.5	2935.6 - 7729.3	4	Tundra Daly Sinclair HZNTL
		02-03-09-28	8763	800.0 - 2387.0	2624.0 - 7829.4	4	Tundra Daly Sinclair HZNTL
		09-34-08-29	8320	820.0 - 2479.0	2689.6 - 8131.1	4	Sinclair Unit No. 6 Prov. HZNTL
	BT	04-30-16-27	8488	475.0 - 1224.0	1558.0 - 4014.7	2	Tundra Birdtail HZNTL
		08-08-02-28	8468	700.0 - 2451.0	2296.0 - 8039.3	4	Legacy Pierson HZNTL
		A16-22-02-29	8354	770.0 - 2319.0	2525.6 - 7606.3	4	Legacy Pierson Prov. HZNTL
		A10-21-01-27	8744	960.0 - 1690.0	3148.8 - 5543.2	2	EOG Coulter HZNTL
		04-19-01-27	8010	710.0 - 2320.0	2328.8 - 7609.6	4	Legacy Coulter HZNTL
	CT	13-19-13-28	8593	820.0 - 2170.0	2689.6 - 7117.6	3	Fort Calgary East Manson HZNTL
		13-19-13-28	8593	820.0 - 2170.0	2689.6 - 7117.6	3	Fort Calgary East Manson HZNTL
		12-14-13-28	8580	550.0 - 1696.0	1804.0 - 5562.9	3	Tundra East Manson Prov. HZNTL
		15-21-01-27	8638	960.0 - 1729.0	3148.8 - 5671.1	2	EOG Coulter HZNTL
12-14-13-28		8580	550.0 - 730.0	1804.0 - 2394.4	1	Tundra East Manson Prov. HZNTL	
12-14-13-28		8580	550.0 - 730.0	1804.0 - 2394.4	1	Tundra East Manson Prov. HZNTL	
A15-21-01-27		8639	980.0 - 1812.0	3214.4 - 5943.4	2	EOG Coulter HZNTL	
B15-21-01-27		8640	1000.0 - 1855.0	3280.0 - 6084.4	3	EOG Coulter HZNTL	
12-14-13-28		8580	550.0 - 1696.0	1804.0 - 5562.9	3	Tundra East Manson Prov. HZNTL	
205	1A	07-26-11-17	1474	405.0 - 993.7	1328.4 - 3259.2	3	B.A. Mitchell
	1B	B01-08-06-29	4588	900.0 - 1732.0	2952.0 - 5681.0	4	Tundra HCO Tilston HZNTL
		02-26-11-26	1382	545.0 - 1135.0	1787.6 - 3722.8	3	Fargo et al Scallion
	1C	16-12-03-26	4586	125.0 - 1170.0	410.0 - 3837.6	5	Ascentex et al South Napinka
		06-11-03-29	645	1220.0 - 1820.0	4001.6 - 5969.6	3	Calstan Pierson Prov.
	2A	04-11-10-28	281	730.0 - 1555.0	2394.4 - 5100.4	4	Calstan Daly Prov.
		07-33-11-26	1234	580.0 - 1118.0	1902.4 - 3667.1	3	Imperial Scallion
		07-33-11-26	1234	580.0 - 1118.0	1902.4 - 3667.1	3	Imperial Scallion
	2C	04-17-02-27	4602	900.0 - 1000.0	2952.0 - 3280.0	1	Northrock Tundra Coulter

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205	2C	16-05-16-27	4603	160.0 - 620.0	524.8 - 2033.6	2	Northrock Birdtail
		09-02-02-29	4601	590.0 - 1083.0	1935.2 - 3552.3	2	Anderson Pierson
		13-34-11-26	1678	385.0 - 1138.0	1262.8 - 3732.6	3	Vallat et al Scallion
	3A	03-23-03-29	4589	145.0 - 1020.0	475.6 - 3345.6	4	NROL et al Pierson
		11-17-03-28	4576	1037.0 - 2000.0	3401.4 - 6560.0	5	Tundra et al Pierson HZNTL
	3B	03-04-02-28	4590	135.0 - 1060.0	442.8 - 3476.8	4	Westrex Elkpoint Pierson Prov.
		14-16-02-21	4582	155.0 - 956.0	508.4 - 3135.7	4	Enron Mountainside
	3C	01-09-02-29	5848	975.0 - 1034.0	3198.0 - 3391.5	1	South Pierson Unit No. 1
		A01-09-02-29	5849	975.0 - 1034.0	3198.0 - 3391.5	1	South Pierson Unit No. 1
		03-15-02-29	5881	975.0 - 1026.0	3198.0 - 3365.3	1	CNRL Pierson
		02D-17-02-29	5923	975.0 - 1036.0	3198.0 - 3398.1	1	South Pierson Unit No. 1
		03-20-11-26	1465	540.0 - 1270.0	1771.2 - 4165.6	6	H. McLaren Scallion
	4A	06-17-10-29	4572	735.0 - 886.0	2410.8 - 2906.0	1	Tundra Daly
		05-34-10-29	4610	160.0 - 880.0	524.8 - 2886.4	3	Tundra et al Daly
		02-17-10-29	4571	770.0 - 888.0	2525.6 - 2912.6	1	Tundra Daly COM
		02-17-10-29	4571	770.0 - 888.0	2525.6 - 2912.6	1	Tundra Daly COM
	4B	13-04-16-27	4614	155.0 - 545.0	508.4 - 1787.6	2	Northrock Birdtail
		13-27-12-28	4598	125.0 - 780.0	410.0 - 2558.4	3	NROL et al North Elkhorn
		09-09-16-27	4612	150.0 - 575.0	492.0 - 1886.0	2	Northrock Birdtail
	4C	13-15-11-26	826	550.0 - 1382.0	1804.0 - 4532.9	4	Calstan Scallion
		15-02-10-28	168	670.0 - 1551.0	2197.6 - 5087.2	4	Calstan Daly
	5A	12-15-06-29	4509	1010.0 - 1335.0	3312.8 - 4378.8	2	Tundra Osprey Tilston HZNTL
		15-28-10-29	4573	760.0 - 880.0	2492.8 - 2886.4	2	Tundra et al Daly
		04-05-11-29	4594	720.0 - 880.0	2361.6 - 2886.4	1	Tundra et al South Kirkella
		15-28-11-28	4595	135.0 - 857.5	442.8 - 2812.6	3	Tundra Elkhorn
	5B	01-16-02-29	4394	950.0 - 1709.0	3116.0 - 5605.5	4	Home S. Pierson Unit No. 1 Prov.
		03-18-03-28	4507	1100.0 - 1877.0	3608.0 - 6156.6	4	Tundra et al Pierson HZNTL
	5C	07-15-02-29	4345	1005.0 - 1870.0	3296.4 - 6133.6	7	Home Scurry Pierson HZNTL
		07-15-02-29	4345	1005.0 - 1870.0	3296.4 - 6133.6	7	Home Scurry Pierson HZNTL
07-15-02-29		4345	1005.0 - 1870.0	3296.4 - 6133.6	7	Home Scurry Pierson HZNTL	
6A	10-28-04-25	2697	960.0 - 1035.0	3148.8 - 3394.8	1	HB Napinka	
	16-21-03-24	2701	125.0 - 270.0	410.0 - 885.6	1	Clarion et al Medora	
	04-32-03-25	2700	210.0 - 1855.0	688.8 - 6084.4	5	Clarion et al S. Napinka	
6B	02-35-02-26	2764	1090.0 - 1195.0	3575.2 - 3919.6	1	Roxy-Clarion et al N. Waskada	
	A05-24-02-26	4584	210.0 - 1950.0	688.8 - 6396.0	7	Northrock Waskada Prov.	
	04-19-05-20	2780	135.0 - 175.0	442.8 - 574.0	1	Roxy-Clarion et al Fairfax	
6C	08-06-17-29	2008	500.0 - 944.9	1640.0 - 3099.2	3	Prairie Potash Lazare Prov.	
7A	15-11-12-26	2741	180.0 - 1445.0	590.4 - 4739.6	5	Norcen POR Harmsworth Prov.	
	14-29-01-21	3329	140.0 - 1065.0	459.2 - 3493.2	3	Andex Gordon Lake Prov.	
	04-22-16-29	2644	250.0 - 1745.4	820.0 - 5724.8	1	IMC McAuley Prov. PTH	
7B	07-18-10-27	2562	620.0 - 1047.0	2033.6 - 3434.1	7	Daly Gas No. 1	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
205	7B	01-17-12-29	2587	2030.0 - 2500.0	6658.4 - 8200.0	1	Rideau W. Kirkella
	7C	A09-13-01-26	2635	845.0 - 957.0	2771.6 - 3139.0	1	Omega S. Waskada
		13-18-01-25	853	840.0 - 926.5	2755.2 - 3039.0	1	J.P. Owen-Lee No. 1
		A09-13-01-26	2635	845.0 - 957.0	2771.6 - 3139.0	1	Omega S. Waskada
		14-15-01-28	2633	.0 - 1790.0	.0 - 5871.2	7	Francana et al Lyleton
	AT	A07-28-07-29	8697	885.0 - 2112.0	2902.8 - 6927.4	4	Sinclair Unit No. 8 Prov. HZNTL
		16-18-10-28	8695	800.0 - 2184.0	2624.0 - 7163.5	4	Tundra Daly Sinclair HZNTL
		01-21-10-29	8631	780.0 - 2419.0	2558.4 - 7934.3	4	Tundra Daly Sinclair HZNTL
		07-11-02-25	8586	875.0 - 1697.0	2870.0 - 5566.2	2	EOG Waskada Prov. HZNTL
	BT	14-02-02-25	8742	950.0 - 1679.0	3116.0 - 5507.1	2	EOG Waskada HZNTL
		08-34-10-29	8634	760.0 - 2220.5	2492.8 - 7283.2	4	Tundra Daly Sinclair Prov. HZNTL
		A01-05-09-29	8761	900.0 - 2218.0	2952.0 - 7275.0	4	Tundra Daly Sinclair HZNTL
		A01-25-10-28	8713	780.0 - 2249.0	2558.4 - 7376.7	4	Tundra Daly Sinclair HZNTL
		A01-05-09-29	8761	900.0 - 2218.0	2952.0 - 7275.0	4	Tundra Daly Sinclair HZNTL
	CT	01-02-09-29	8760	700.0 - 971.0	2296.0 - 3184.9	2	Tundra Daly Sinclair HZNTL
		01-02-09-29	8760	700.0 - 971.0	2296.0 - 3184.9	2	Tundra Daly Sinclair HZNTL
		01-02-09-29	8760	875.0 - 2338.0	2870.0 - 7668.6	4	Tundra Daly Sinclair HZNTL
		A09-34-08-28	8727	800.0 - 2113.0	2624.0 - 6930.6	3	Tundra Daly Sinclair Prov. HZNTL
		08-34-08-29	8321	820.0 - 2491.0	2689.6 - 8170.5	4	Sinclair Unit No. 6 Prov. HZNTL
		01-02-09-29	8760	875.0 - 2338.0	2870.0 - 7668.6	4	Tundra Daly Sinclair HZNTL
	04-01-10-29	8731	835.0 - 2297.0	2738.8 - 7534.2	4	Tundra Daly Sinclair HZNTL	
206	1A	13-31-09-27	3138	135.0 - 800.0	442.8 - 2624.0	1	Resman et al Daly
	1B	09-28-09-29	3328	295.0 - 860.0	967.6 - 2820.8	3	Rideau Butler Prov.
		09-28-09-29	3328	295.0 - 860.0	967.6 - 2820.8	3	Rideau Butler Prov.
		07-35-09-28	3143	155.0 - 828.0	508.4 - 2715.8	1	Resman Jorex Daly
		01-02-10-28	3286	140.0 - 756.0	459.2 - 2479.7	1	Resman Jorex Daly
		13-21-01-25	3061	145.0 - 955.0	475.6 - 3132.4	3	Voyager Eastland Waskada
	1C	16-35-02-24	2767	145.0 - 1082.0	475.6 - 3548.9	4	Roxy-Clarion et al Leighton
		02-35-02-26	2764	140.0 - 1085.0	459.2 - 3558.8	4	Roxy-Clarion et al N. Waskada
	2A	04-19-05-20	2780	180.0 - 743.0	590.4 - 2437.1	3	Roxy-Clarion et al Fairfax
		02-04-06-22	2781	135.0 - 610.0	442.8 - 2000.8	2	Roxy-Clarion et al Underhill
		13-16-02-21	2774	135.0 - 945.0	442.8 - 3099.6	4	Roxy-Clarion et al Mountainside
		16-30-01-25	2785	870.0 - 955.0	2853.6 - 3132.4	2	Omega Waskada
	2B	06-11-02-26	2836	130.0 - 890.0	426.4 - 2919.2	3	Omega Dalny Prov.
		16-25-02-21	2772	130.0 - 841.0	426.4 - 2758.5	2	Roxy-Clarion et al Waskada
	2C	13-21-01-25	3061	145.0 - 955.0	475.6 - 3132.4	3	Voyager Eastland Waskada
		03-13-06-28	3150	120.0 - 905.0	393.6 - 2968.4	3	Saskoil Jecco S. Linklater
	3A	03-22-06-28	3354	130.0 - 922.0	426.4 - 3024.2	3	Saskoil Jecco S. Linklater Prov.
	3B	16-25-02-21	2772	130.0 - 841.0	426.4 - 2758.5	2	Roxy-Clarion et al Waskada
		01-09-02-26	2765	300.0 - 1013.0	984.0 - 3322.6	1	Roxy Clarion et al Dalney
		04-30-18-26	300	.0 - 1580.0	.0 - 5182.4	3	Anglo Am. Birdtail

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
206	3B	10-07-01-25	2761	140.0 - 992.0	459.2 - 3253.7	4	Chevron Waskada
		10-07-01-25	2761	140.0 - 992.0	459.2 - 3253.7	4	Chevron Waskada
		06-11-02-26	2836	130.0 - 890.0	426.4 - 2919.2	3	Omega Dalny Prov.
	3C	10-07-01-25	2761	140.0 - 992.0	459.2 - 3253.7	4	Chevron Waskada
		16-30-01-25	2785	870.0 - 955.0	2853.6 - 3132.4	2	Omega Waskada
		06-27-01-26	2769	770.0 - 940.0	2525.6 - 3083.2	1	Omega Waskada
		01-13-01-25	2773	145.0 - 955.0	475.6 - 3132.4	4	Roxy-Clarion et al Cranmer
		10-07-01-25	2761	140.0 - 992.0	459.2 - 3253.7	4	Chevron Waskada
		13-03-02-23	2775	255.0 - 770.0	836.4 - 2525.6	1	Roxy-Clarion et al Liege
		08-34-01-26	2776	945.0 - 950.0	3099.6 - 3116.0	1	Omega Waskada Prov.
	4A	10A-12-10-28	2571	640.0 - 1109.5	2099.2 - 3639.1	5	Daly Gas No. 3
		12-18-12-29	2651	738.0 - 805.0	2420.6 - 2640.4	1	Kywan West Kirkells Prov.
		10-07-10-27	2572	630.0 - 920.0	2066.4 - 3017.6	1	Daly Gas No. 4
		07-18-10-27	2562	1047.0 - 1101.9	3434.1 - 3614.1	1	Daly Gas No. 1
	4B	15-27-01-21	3323	145.0 - 1065.0	475.6 - 3493.2	4	Andex Roxy Lulu Lake Prov.
		05-19-19-23	2503	887.0 - 1222.3	2909.3 - 4009.0	2	Asamara et al Vista Prov.
		15-27-01-21	3323	145.0 - 1065.0	475.6 - 3493.2	4	Andex Roxy Lulu Lake Prov.
	4C	13A-04-24-27	255	.0 - 590.0	.0 - 1935.2	1	Imperial Bluewing Lake
01-11-24-26		1701	350.0 - 1590.0	1148.0 - 5215.2	2	Mill Creek East Bluewing Lake Prov.	
16-30-24-23		200	1500.0 - 1750.0	4920.0 - 5740.0	1	B.A. Grandview	
10-11-09-28		3364	110.0 - 830.0	360.8 - 2722.4	3	Saskoil Daly Prov.	
5A	16-16-03-28	3182	150.0 - 998.0	492.0 - 3273.4	4	Tundra et al Pierson	
	10-07-11-25	3205	15.0 - 636.0	49.2 - 2086.0	3	Peregrine Bearcat Virden	
	05-33-07-27	3183	200.0 - 1743.0	656.0 - 5717.1	7	Chevron Reston	
	05-05-02-27	3161	885.0 - 934.0	2902.8 - 3063.5	1	Antler River Coulter	
5B	16-16-03-28	3182	150.0 - 998.0	492.0 - 3273.4	4	Tundra et al Pierson	
	02-22-10-28	3239	530.0 - 775.0	1738.4 - 2542.0	1	Resman Jorex Daly	
	02-22-10-28	3239	530.0 - 775.0	1738.4 - 2542.0	1	Resman Jorex Daly	
	12-09-06-29	3074	690.0 - 996.0	2263.2 - 3266.9	2	New Scope et al Tilston	
	09-21-05-25	3133	160.0 - 941.8	524.8 - 3089.1	4	Friesen W. Lauder	
	10-16-03-24	3130	155.0 - 886.0	508.4 - 2906.0	4	New Scope et al Medora	
	09-28-09-29	3328	115.0 - 295.0	377.2 - 967.6	1	Rideau Butler Prov.	
	09-28-09-29	3328	115.0 - 295.0	377.2 - 967.6	1	Rideau Butler Prov.	
5C	05-33-07-27	3183	200.0 - 1743.0	656.0 - 5717.1	7	Chevron Reston	
	09-21-05-25	3133	160.0 - 941.8	524.8 - 3089.1	4	Friesen W. Lauder	
	10-07-11-25	3205	15.0 - 636.0	49.2 - 2086.0	3	Peregrine Bearcat Virden	
	04-26-03-28	3236	700.0 - 1000.0	2296.0 - 3280.0	2	Quest Elva	
	10-14-10-29	2645	120.0 - 882.0	393.6 - 2892.9	3	Kywan GNOL West Daly	
	01-03-01-25	3223	645.0 - 975.0	2115.6 - 3198.0	2	New Scope et al Waskada	
6A	05-14-01-28	5	.0 - 1572.8	.0 - 5158.7	8	Gordon White No. 1	
	06-10-03-28	4642	155.0 - 1300.0	508.4 - 4264.0	5	Corvair	
6B	11-03-39-29	2451	1750.0 - 1790.0	5740.0 - 5871.2	1	BPL et al Whitefish Prov.	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
206	6B	05-14-01-28	5	.0 - 1572.8	.0 - 5158.7	8	Gordon White No. 1
		08-20-32-08	2178	10.0 - 1042.0	32.8 - 3417.7	2	Bralorne Gypsumville Prov. (STH)
		13-11-10-20	2411	330.0 - 1730.0	1082.4 - 5674.4	3	ARCO Kemnay S.T.H. No. 4 Prov.
	6C	02-01-05-01	10	100.0 - 650.0	328.0 - 2132.0	1	Red River Oil Ltd No. 2
		04-06-15-02	1660	.0 - 1045.0	.0 - 3427.6	3	Calstan Woodlands Prov.
	7A	13-11-09-16	1327	500.0 - 1620.0	1640.0 - 5313.6	3	Amerada Spruce Woods Prov. "M-E"
		02-15-09-20	2083	500.0 - 1790.0	1640.0 - 5871.2	3	Grt. Plns. Sam Beresford
		13-04-10-20	1456	550.0 - 1860.0	1804.0 - 6100.8	3	Peacock Exploration Kemnay No. 1
	7B	10-02-09-16	2167	344.4 - 981.5	1129.7 - 3219.2	4	ARCO Shilo Prov.
		10-24-09-16	2173	500.0 - 967.7	1640.0 - 3174.2	5	ARCO Shilo Prov.
	7C	02-17-04-25	2683	1551.0 - 1899.0	5087.3 - 6228.8	3	Clarion et al Napinka
		06-18-07-29	2678	140.0 - 385.0	459.2 - 1262.8	1	Saskoil W. Sinclair
		13-11-05-16	2528	590.0 - 1213.1	1935.2 - 3979.0	7	ASM-BTO et al Pelican Lake Prov.
	AT	B10-28-01-28	8656	1010.0 - 1810.0	3312.8 - 5936.8	2	EOG Pierson HZNTL
		A10-28-01-28	8655	990.0 - 1709.0	3247.2 - 5605.5	4	EOG Pierson HZNTL
		A15-28-01-28	8659	980.0 - 1733.0	3214.4 - 5684.2	2	EOG Pierson HZNTL
		07-28-07-29	8696	885.0 - 2100.0	2902.8 - 6888.0	3	Sinclair Unit No. 8 Prov. HZNTL
		B15-28-01-28	8660	1010.0 - 1769.0	3312.8 - 5802.3	2	EOG Pierson HZNTL
		B10-21-01-27	8745	980.0 - 1747.0	3214.4 - 5730.2	2	EOG Coulter HZNTL
	BT	12-02-17-28	8738	450.0 - 1585.0	1476.0 - 5198.8	3	Tundra St. Lazare HZNTL
		01-07-11-28	8615	740.0 - 2417.0	2427.2 - 7927.8	4	Tundra Elkhorn HZNTL
		12-25-16-28	8674	450.0 - 1195.0	1476.0 - 3919.6	2	Tundra St. Lazare HZNTL
		13-35-10-29	8626	745.0 - 2227.0	2443.6 - 7304.6	4	Tundra Daly Sinclair HZNTL
	CT	09-12-03-29	8672	1200.0 - 1758.0	3936.0 - 5766.2	2	Tundra Pierson Prov. HZNTL
		09-12-03-29	8672	1200.0 - 1758.0	3936.0 - 5766.2	2	Tundra Pierson Prov. HZNTL
		09-12-03-29	8672	1160.0 - 1982.0	3804.8 - 6501.0	1	Tundra Pierson Prov. HZNTL
		02-21-02-25	8611	920.0 - 1618.0	3017.6 - 5307.0	2	EOG Waskada HZNTL
01-34-08-29		8323	825.0 - 2520.0	2706.0 - 8265.6	4	Sinclair Unit No. 6 HZNTL	
04-16-01-25		8623	920.0 - 1693.0	3017.6 - 5553.0	2	EOG Waskada Prov. HZNTL	
09-12-03-29		8672	700.0 - 1982.0	2296.0 - 6501.0	4	Tundra Pierson Prov. HZNTL	
09-12-03-29		8672	700.0 - 1982.0	2296.0 - 6501.0	4	Tundra Pierson Prov. HZNTL	
09-12-03-29		8672	700.0 - 1982.0	2296.0 - 6501.0	4	Tundra Pierson Prov. HZNTL	
09-12-03-29		8672	1200.0 - 1758.0	3936.0 - 5766.2	2	Tundra Pierson Prov. HZNTL	
09-12-03-29		8672	1160.0 - 1982.0	3804.8 - 6501.0	1	Tundra Pierson Prov. HZNTL	
09-12-03-29	8672	1160.0 - 1982.0	3804.8 - 6501.0	1	Tundra Pierson Prov. HZNTL		
207	1A	12-09-06-27	3155	155.0 - 881.0	508.4 - 2889.7	4	New Scope et al Broomhill
		08-06-02-27	3053	300.0 - 950.0	984.0 - 3116.0	3	Antler River Coulter
		04-03-05-22	2788	270.0 - 800.0	885.6 - 2624.0	1	Roxy et al W. Regent
		15-24-02-27	2801	145.0 - 990.0	475.6 - 3247.2	4	Chevron et al Dalny
	1B	12-09-06-27	3155	155.0 - 881.0	508.4 - 2889.7	4	New Scope et al Broomhill
		A04-22-16-29	3177	125.0 - 555.0	410.0 - 1820.4	2	Troy St. Lazare Prov.

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
207	1B	A13-10-01-27	3018	150.0 - 946.0	492.0 - 3102.9	3	Antler River Coulter
	1C	06-18-11-26	3458	614.0 - 671.0	2013.9 - 2200.9	1	Beaverhead Virden
		10-33-01-24	3395	565.0 - 915.0	1853.2 - 3001.2	3	A & B Resources et al Goodlands
		A09-11-09-25	3466	285.0 - 670.0	934.8 - 2197.6	3	Kinstar et al Virden Prov.
		14-06-03-28	3440	150.0 - 1037.0	492.0 - 3401.4	4	Colgas et al Pierson
	20	09-08-10-28	3456	150.0 - 798.0	492.0 - 2617.4	3	Beaverhead et al Daly
		09-08-10-28	3456	150.0 - 798.0	492.0 - 2617.4	3	Beaverhead et al Daly
		09-08-10-28	3456	150.0 - 798.0	492.0 - 2617.4	3	Beaverhead et al Daly
	2A	03-16-06-27	3406	160.0 - 858.0	524.8 - 2814.3	3	Newscope et al Broomhill Prov.
		04-36-02-29	3417	150.0 - 1035.0	492.0 - 3394.8	4	Tundra S. Pierson Prov.
		06-18-03-29	3410	140.0 - 1067.0	459.2 - 3499.7	4	Colgas Cymric Pierson Prov.
		13-36-10-26	3426	135.0 - 596.0	442.8 - 1954.9	3	Lasmo et al Virden
	2B	12-19-02-28	3023	150.0 - 975.0	492.0 - 3198.0	4	Lyleton et al S. Pierson
		01-20-02-21	3067	130.0 - 995.0	426.4 - 3263.6	3	Roxy-Andex Mountainside
		03-16-06-27	3406	160.0 - 858.0	524.8 - 2814.3	3	Newscope et al Broomhill Prov.
		11-12-11-26	952	150.0 - 623.0	492.0 - 2043.4	2	Calstan Scallion Prov.
		06-18-03-29	3410	140.0 - 1067.0	459.2 - 3499.7	4	Colgas Cymric Pierson Prov.
	2C	02-34-01-21	3480	140.0 - 1050.0	459.2 - 3444.0	5	Whitewater et al Lulu Lake Prov.
		04-08-10-29	3546	120.0 - 855.0	393.6 - 2804.4	3	Rideau W. Butler
		04-08-10-29	3546	120.0 - 855.0	393.6 - 2804.4	3	Rideau W. Butler
	3A	05-05-12-26	3394	495.0 - 634.0	1623.6 - 2079.5	2	ICGR Virden
		07-16-10-28	3397	120.0 - 788.0	393.6 - 2584.6	3	Beaverhead et al Daly
		12-07-10-27	3300	160.0 - 739.0	524.8 - 2424.0	3	Condor Bedford Daly
		15-10-10-28	3418	150.0 - 773.0	492.0 - 2535.4	4	Beaverhead et al Daly Prov.
		07-16-10-28	3397	120.0 - 788.0	393.6 - 2584.6	3	Beaverhead et al Daly
		13-15-03-28	3401	160.0 - 1000.0	524.8 - 3280.0	4	CNW et al Pierson
	3B	09-10-02-27	3246	145.0 - 800.0	475.6 - 2624.0	2	Voyager Blackrock Coulter
		05-05-12-26	3394	495.0 - 634.0	1623.6 - 2079.5	2	ICGR Virden
		04-12-09-28	3435	130.0 - 670.0	426.4 - 2197.6	3	Lasmo Daly Prov.
		13-15-03-28	3401	160.0 - 1000.0	524.8 - 3280.0	4	CNW et al Pierson
	3C	01-21-10-28	3336	135.0 - 802.0	442.8 - 2630.6	3	Beaverhead et al Daly
		03-04-06-27	3090	220.0 - 870.0	721.6 - 2853.6	3	Wascana Broomhill Starpoint Broomhill Nexen Broomhill Border et al Broomhill
		01-10-03-21	3756	125.0 - 846.0	410.0 - 2774.9	3	Dome Tundra et al Whitewater
	4A	16-31-01-21	3392	155.0 - 1050.0	508.4 - 3444.0	4	Andex Gordon Lake Prov.
		A04-32-10-26	3312	125.0 - 680.0	410.0 - 2230.4	3	Quest Virden
		16-29-09-29	3431	120.0 - 906.0	393.6 - 2971.7	4	Rideau West Butler Prov.
	4B	04-16-02-25	3419	150.0 - 970.0	492.0 - 3181.6	4	Wildmount Andex Waskada Prov.
		04-17-02-25	3405	150.0 - 910.0	492.0 - 2984.8	3	Wildmount Andex Waskada
		10-01-03-27	3393	125.0 - 977.0	410.0 - 3204.6	4	Resman Jorex et al S. Melita

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
207	4B	09-06-06-29	3396	135.0 - 969.0	442.8 - 3178.3	4	Colgas Cymric Tilston Prov.
	4C	09-06-06-29	3396	135.0 - 969.0	442.8 - 3178.3	4	Colgas Cymric Tilston Prov.
		10-10-09-28	3436	130.0 - 790.0	426.4 - 2591.2	3	Lasmo Daly Prov.
		16-29-09-29	3431	120.0 - 906.0	393.6 - 2971.7	4	Rideau West Butler Prov.
		10-01-03-27	3393	125.0 - 977.0	410.0 - 3204.6	4	Resman Jorex et al S. Melita
	5A	12-23-01-28	3125	145.0 - 1030.0	475.6 - 3378.4	4	Rideau Pipestone Lyleton
		01-03-01-25	3223	375.0 - 645.0	1230.0 - 2115.6	1	New Scope et al Waskada
	5B	14-25-09-29	3211	733.0 - 811.0	2404.2 - 2660.0	1	Beaverhead Daly
		05C-10-20-29	3110	785.0 - 845.0	2574.8 - 2771.6	1	Canamax Millwood Prov. PTH
		12B-08-20-29	3112	750.0 - 837.0	2460.0 - 2745.4	1	Canamax Millwood PTH
		04-28-01-25	2789	150.0 - 998.0	492.0 - 3273.4	4	Roxy Clarion et al Waskada Prov.
		11-27-09-28	3225	140.0 - 787.0	459.2 - 2581.4	1	Resman Jorex Daly
		04C-17-21-29	3159	736.0 - 795.0	2414.1 - 2607.6	1	Canamax Harrowby Prov. PTH
		16-11-01-26	2809	150.0 - 946.0	492.0 - 3102.9	4	Omega Waskada Prov.
	5C	03-05-09-19	1182	510.0 - 1217.7	1672.8 - 3994.0	5	Dome Brandon
	6A	14-13-09-28	3083	155.0 - 1347.0	508.4 - 4418.2	5	Cosens Daly
		14-13-09-28	3083	155.0 - 1347.0	508.4 - 4418.2	5	Cosens Daly
	6B	09-15-10-28	3289	120.0 - 770.0	393.6 - 2525.6	2	Resman Jorex Daly
		01-17-12-26	3295	145.0 - 645.0	475.6 - 2115.6	2	Ashlu BRO Virden
		13-33-01-21	3386	140.0 - 1055.0	459.2 - 3460.4	4	Andex Voyager Gordon Lake Prov.
		12-09-06-29	3074	145.0 - 690.0	475.6 - 2263.2	2	New Scope et al Tilston
		10-12-03-29	3277	895.0 - 1037.0	2935.6 - 3401.4	1	Colgas et al Pierson Prov.
	6C	05-22-01-25	3192	850.0 - 960.0	2788.0 - 3148.8	1	Sasko et al Waskada
		16-26-09-28	3224	130.0 - 776.0	426.4 - 2545.2	2	Resman Jorex Daly
		13-33-01-21	3386	140.0 - 1055.0	459.2 - 3460.4	4	Andex Voyager Gordon Lake Prov.
		13-08-03-28	3164	150.0 - 1008.0	492.0 - 3306.3	4	Tundra et al Pierson
		16-36-09-28	3117	260.0 - 817.0	852.8 - 2679.7	1	Resman et al Daly
	16-35-09-28	3142	125.0 - 818.0	410.0 - 2683.1	3	Resman Jorex Daly	
7A	13-08-03-28	3164	150.0 - 1008.0	492.0 - 3306.3	4	Tundra et al Pierson	
	13-01-09-25	3193	160.0 - 657.0	524.8 - 2154.9	3	Peregrine Bearcat Virden	
	01-03-01-25	3223	155.0 - 375.0	508.4 - 1230.0	1	New Scope et al Waskada	
	04-25-03-28	3222	115.0 - 983.0	377.2 - 3224.3	4	Quest Elva	
7B	10-28-01-25	2972	400.0 - 940.0	1312.0 - 3083.2	2	PEX et al Waskada	
	14-25-09-29	3211	150.0 - 773.0	492.0 - 2535.4	1	Beaverhead Daly	
	07-36-09-29	3301	125.0 - 845.0	410.0 - 2771.6	2	Beaverhead Tristar Daly	
	13-17-16-29	3207	375.0 - 575.0	1230.0 - 1886.0	1	Troy St. Lazare	
	05-23-09-25	3196	150.0 - 658.0	492.0 - 2158.3	3	Peregrine Bearcat Virden	
7C	04-12-02-26	3166	155.0 - 964.0	508.4 - 3162.0	4	Sasko et al Waskada	
	09-08-06-29	3095	155.0 - 1030.0	508.4 - 3378.4	4	New Scope et al Tilston	
	05-05-02-27	3161	934.0 - 1021.0	3063.5 - 3348.9	1	Antler River Coulter	
AT	07-14-09-28	8612	930.0 - 2293.0	3050.4 - 7521.0	6	Magellan Daly Sinclair Prov. HZNTL	



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207	AT	12-31-08-29	8581	845.0 - 2395.0	2771.6 - 7855.6	4	Tundra Daly Sinclair HZNTL	
		09-32-08-29	8582	845.0 - 2350.0	2771.6 - 7708.0	4	Tundra Daly Sinclair Prov. HZNTL	
	BT	04-27-12-27	8574	160.0 - 700.0	524.8 - 2296.0	3	Magellan North Hargrave	
		A05-29-07-28	8168	820.0 - 2448.0	2689.6 - 8029.4	4	Tundra Daly Sinclair Prov. HZNTL Tundra Daly Sinclair Prov. HZNTL	
		08-10-13-28	8546	570.0 - 2125.0	1869.6 - 6970.0	4	Tundra East Manson Prov. HZNTL	
	CT	03-36-16-28	8083	530.0 - 1358.0	1738.4 - 4454.2	3	Tundra St. Lazare HZNTL	
			8553	570.0 - 2025.0	1869.6 - 6642.0	4	Tundra East Manson Prov. HZNTL	
		15-09-13-28	8428	560.0 - 1924.0	1836.8 - 6310.7	4	Tundra East Manson HZNTL	
		12-31-18-27	8591	160.0 - 685.0	524.8 - 2246.8	3	Tundra Foxwarren DIR	
		09-13-18-29	8608	150.0 - 564.0	492.0 - 1849.9	2	Tundra Gambler	
	208	1A	A13-10-01-27	3018	948.0 - 1005.0	3109.4 - 3296.4	1	Antler River Coulter
			14-24-02-29	2993	905.0 - 1038.0	2968.4 - 3404.6	1	Lyleton et al S. Pierson
			09-32-05-27	2049	518.2 - 883.9	1699.6 - 2899.3	3	Frontier Broomhill Prov.
05-09-01-27			3013	160.0 - 1010.0	524.8 - 3312.8	4	Antler River Coulter	
14-24-02-29			2993	905.0 - 1038.0	2968.4 - 3404.6	1	Lyleton et al S. Pierson	
15-35-01-28			3050	165.0 - 1018.0	541.2 - 3339.1	4	Ameran et al Lyleton	
1B		16-17-03-29	3446	700.0 - 1045.0	2296.0 - 3427.6	2	EAG et al Pierson	
		07-08-02-25	3065	130.0 - 930.0	426.4 - 3050.4	4	Omega Waskada	
		15-35-01-28	3050	165.0 - 1018.0	541.2 - 3339.1	4	Ameran et al Lyleton	
		07-08-02-25	3065	130.0 - 930.0	426.4 - 3050.4	4	Omega Waskada	
		06-18-11-26	3458	150.0 - 611.0	492.0 - 2004.0	1	Beaverhead Virden	
1C		06-04-10-29	3525	150.0 - 825.0	492.0 - 2706.0	3	Newscope et al Daly	
		14-13-04-22	3404	125.0 - 825.0	410.0 - 2706.0	3	Dome S. Regent	
		10-20-07-29	3086	80.0 - 947.0	262.4 - 3106.2	5	Corporate et al W. Sinclair Prov.	
2A		06-04-10-29	3525	150.0 - 825.0	492.0 - 2706.0	3	Newscope et al Daly	
		04-21-02-21	2982	150.0 - 936.8	492.0 - 3072.5	4	Cdn. Roxy-Andex Mountainside	
		15-15-09-29	3538	125.0 - 856.0	410.0 - 2807.7	4	Rideau Daly	
		15-15-09-29	3538	125.0 - 856.0	410.0 - 2807.7	4	Rideau Daly	
2B		06-29-10-26	3453	135.0 - 683.0	442.8 - 2240.3	3	Tundra Virden Prov.	
		12-27-09-29	3488	115.0 - 855.0	377.2 - 2804.4	4	Rideau Daly	
		12-27-09-29	3488	115.0 - 855.0	377.2 - 2804.4	4	Rideau Daly	
		10-01-11-27	3505	120.0 - 710.0	393.6 - 2328.8	3	Westmin Saskoil Virden	
2C		09-03-03-21	3507	380.0 - 845.0	1246.4 - 2771.6	3	Roxy Andex Whitewater	
		12-32-09-29	3489	155.0 - 867.0	508.4 - 2843.7	4	Newscope et al Butler Prov.	
		12-27-09-29	3488	115.0 - 855.0	377.2 - 2804.4	4	Rideau Daly	
		12-27-09-29	3488	115.0 - 855.0	377.2 - 2804.4	4	Rideau Daly	
3A		07-14-06-25	4673	135.0 - 765.0	442.8 - 2509.2	3	SRL Maple Lake	
	16-20-09-29	3677	115.0 - 870.0	377.2 - 2853.6	4	Mead et al Daly		
	02-05-07-27	4664	700.0 - 836.0	2296.0 - 2742.0	1	SRL Reston		
3B	06-19-11-26	3671	120.0 - 665.0	393.6 - 2181.2	2	Newscope Virden		

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
208	3B	04-06-06-26	4665	125.0 - 850.0	410.0 - 2788.0	3	SRL South Pipestone
		05-20-16-27	4656	155.0 - 570.0	508.4 - 1869.6	2	Northrock Birdtail
	3C	03-07-08-29	4666	160.0 - 1077.0	524.8 - 3532.6	4	Northrock South Ebor
		05-10-02-29	5880	975.0 - 1027.5	3198.0 - 3370.2	1	CNRL Pierson
		04-21-18-26	4654	160.0 - 982.0	524.8 - 3221.0	4	Northrock Solsgirth
		04-10-02-29	5879	975.0 - 1030.0	3198.0 - 3378.4	1	CNRL Pierson
	4A	13-21-04-22	4001	130.0 - 814.0	426.4 - 2670.0	3	Tundra Regent
		01-03-03-29	4074	125.0 - 1044.0	410.0 - 3424.3	4	Tundra Pierson
		08-30-13-29	4680	435.0 - 643.0	1426.8 - 2109.1	1	Renaissance Manson Prov.
	4B	08-14-06-27	4662	880.0 - 1805.0	2886.4 - 5920.4	4	SRL South Reston Prov. HZNTL
		04-22-16-29	4676	350.0 - 796.0	1148.0 - 2610.9	2	Renaissance St. Lazare Prov. HZNTL
		11-15-16-29	4678	350.0 - 468.0	1148.0 - 1535.0	1	Renaissance St. Lazare
	4C	A04-22-16-29	4679	350.0 - 528.0	1148.0 - 1731.8	1	Renaissance St Lazare Prov. HZNTL
		04-28-10-29	3878	105.0 - 903.0	344.4 - 2961.8	3	Newscope et al Daly
		A04-22-16-29	4679	350.0 - 528.0	1148.0 - 1731.8	1	Renaissance St Lazare Prov. HZNTL
		A04-22-16-29	4679	350.0 - 528.0	1148.0 - 1731.8	1	Renaissance St Lazare Prov. HZNTL
	5A	06-29-09-25	3737	315.0 - 660.0	1033.2 - 2164.8	1	Saskoil Virden Prov.
		02-25-10-29	3882	120.0 - 850.0	393.6 - 2788.0	4	Peregrine et al Daly
		11-23-16-29	4648	350.0 - 575.0	1148.0 - 1886.0	1	Renaissance St. Lazare
		05C-09-14-29	4623	405.0 - 622.0	1328.4 - 2040.2	1	Renaissance South McAuley
5B	04-21-09-29	3692	115.0 - 900.0	377.2 - 2952.0	3	Newscope Cromwell Daly	
	04-21-09-29	3692	115.0 - 900.0	377.2 - 2952.0	3	Newscope Cromwell Daly	
	10-25-11-17	4591	115.0 - 987.0	377.2 - 3237.4	4	2721679 MB Ingelow	
5C	06-23-09-28	4645	670.0 - 840.0	2197.6 - 2755.2	1	Tundra Daly	
	10-07-09-25	3921	160.0 - 745.0	524.8 - 2443.6	3	Chevron Home Virden	
	12-16-10-26	3661	115.0 - 780.0	377.2 - 2558.4	3	Newscope MOGC Virden	
	10A-11-09-28	4644	660.0 - 857.0	2164.8 - 2811.0	1	Tundra Daly Prov.	
	06-23-09-28	4645	670.0 - 840.0	2197.6 - 2755.2	1	Tundra Daly	
6A	15-08-02-29	4393	1020.0 - 1075.0	3345.6 - 3526.0	1	Home S. Pierson Unit No. 1	
	15-09-06-26	4669	625.0 - 826.0	2050.0 - 2709.2	1	Rigel South Pipestone Prov.	
	10-04-02-29	4341	1020.0 - 1084.0	3345.6 - 3555.5	1	Home Scurry Pierson Prov.	
	14-36-10-29	4646	155.0 - 903.0	508.4 - 2961.8	4	Tundra et al Daly Prov.	
	03-09-06-26	4729	640.0 - 838.0	2099.2 - 2748.6	1	Rigel South Pipestone Prov. HZNTL	
	07-09-02-29	4371	1020.0 - 1072.0	3345.6 - 3516.2	1	Home S. Pierson Unit No. 1	
6B	04-23-09-28	989	767.0 - 850.0	2515.8 - 2788.0	1	Cleary King	
	16-06-09-29	4380	876.0 - 918.0	2873.3 - 3011.1	1	Tundra Daly Prov.	
	02-08-10-28	3911	810.0 - 848.0	2656.8 - 2781.4	1	Beaverhead et al Daly	
	02-08-10-28	3911	810.0 - 848.0	2656.8 - 2781.4	1	Beaverhead et al Daly	
	11-09-02-29	4376	1010.0 - 1067.0	3312.8 - 3499.7	1	Home S. Pierson Unit No. 1	
	05-09-02-29	4372	1020.0 - 1073.0	3345.6 - 3519.4	1	Home S. Pierson Unit No. 1	
	03-09-02-29	4370	1020.0 - 1072.0	3345.6 - 3516.2	1	Home S. Pierson Unit No. 1	
	05-04-02-25	3628	160.0 - 935.0	524.8 - 3066.8	3	Andex et al Waskada Prov. WIW	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
208	6B	10-12-05-22	4620	675.0 - 870.0	2214.0 - 2853.6	1	Corvair
		15-09-02-29	4378	1025.0 - 1082.0	3362.0 - 3548.9	1	Home S. Pierson Unit No. 1
		13-04-02-29	4368	1020.0 - 1080.0	3345.6 - 3542.4	1	Home S. Pierson Unit No. 1 Prov.
	6C	A11-08-02-29	4374	1020.0 - 1078.0	3345.6 - 3535.8	1	Home S. Pierson Unit No. 1
		02-35-15-27	4671	105.0 - 607.0	344.4 - 1991.0	3	Northrock Birdtail
		13-08-02-29	4369	1020.0 - 1074.0	3345.6 - 3522.8	1	Home S. Pierson Unit No. 1
		03-16-02-29	4373	1015.0 - 1072.0	3329.2 - 3516.2	1	Home S. Pierson Unit No. 1 Prov.
		01-03-05-22	4626	100.0 - 783.0	328.0 - 2568.2	3	Ascentex et al Underhill
	7A	06-05-15-29	4682	155.0 - 736.0	508.4 - 2414.1	3	Northrock McAuley
		03-24-10-21	3465	181.0 - 1240.0	593.7 - 4067.2	6	KLM New McManus Kemnay
		11-22-16-29	3387	125.0 - 280.0	410.0 - 918.4	1	Troy et al St. Lazare Prov.
	7C	08-08-14-29	2492	350.0 - 2290.0	1148.0 - 7511.2	4	Jasper H.B. Manson
	AT	01-03-09-29	8281	820.0 - 2311.0	2689.6 - 7580.1	4	Sinclair Unit No. 6 HZNTL
		A16-34-08-29	8322	820.0 - 2330.0	2689.6 - 7642.4	4	Sinclair Unit No. 6 Prov. HZNTL
		10-09-13-28	8427	560.0 - 2025.0	1836.8 - 6642.0	4	Tundra East Manson HZNTL
	BT	12-20-16-27	8484	475.0 - 1228.0	1558.0 - 4027.8	2	Tundra Birdtail HZNTL
		12-20-16-27	8484	400.0 - 594.0	1312.0 - 1948.3	1	Tundra Birdtail HZNTL
		12-20-16-27	8484	400.0 - 594.0	1312.0 - 1948.3	1	Tundra Birdtail HZNTL
		11-19-16-27	8454	475.0 - 1221.0	1558.0 - 4004.9	2	Tundra Birdtail HZNTL
		12-20-16-27	8484	475.0 - 1228.0	1558.0 - 4027.8	2	Tundra Birdtail HZNTL
		12-19-18-27	8610	150.0 - 615.0	492.0 - 2017.2	2	Tundra Foxwarren
		13-25-16-28	8481	690.0 - 970.0	2263.2 - 3181.6	1	Tundra St. Lazare HZNTL
		13-25-16-28	8481	690.0 - 970.0	2263.2 - 3181.6	1	Tundra St. Lazare HZNTL
		13-25-16-28	8481	690.0 - 970.0	2263.2 - 3181.6	1	Tundra St. Lazare HZNTL
		13-25-16-28	8481	380.0 - 575.0	1246.4 - 1886.0	1	Tundra St. Lazare HZNTL
13-25-16-28		8481	380.0 - 575.0	1246.4 - 1886.0	1	Tundra St. Lazare HZNTL	
13-25-16-28		8481	380.0 - 575.0	1246.4 - 1886.0	1	Tundra St. Lazare HZNTL	
13-25-16-28		8481	470.0 - 1334.0	1541.6 - 4375.5	2	Tundra St. Lazare HZNTL	
13-25-16-28		8481	470.0 - 1334.0	1541.6 - 4375.5	2	Tundra St. Lazare HZNTL	
13-25-16-28		8481	470.0 - 1334.0	1541.6 - 4375.5	2	Tundra St. Lazare HZNTL	
14-30-16-27	8170	470.0 - 1250.0	1541.6 - 4100.0	2	Tundra Birdtail HZNTL		
07-30-16-27	8096	500.0 - 1243.0	1640.0 - 4077.0	2	Tundra Birdtail HZNTL		
CT	13-36-16-28	8151	480.0 - 1599.0	1574.4 - 5244.7	3	Tundra St. Lazare HZNTL	
	07-28-18-28	8621	150.0 - 600.0	492.0 - 1968.0	2	Tundra Chillon	
	03-32-13-28	8570	145.0 - 971.0	475.6 - 3184.9	4	Fort Calgary East Manson Prov. DIR	
	08-04-16-27	8133	470.0 - 1512.0	1541.6 - 4959.4	3	Tundra Birdtail Prov. HZNTL	
209	1A	08-20-02-21	4695	805.0 - 895.0	2640.4 - 2935.6	1	Enron Mountainside
		09-20-02-21	4696	810.0 - 887.0	2656.8 - 2909.4	1	Enron Mountainside
	13A-29-10-28	4609	700.0 - 1520.0	2296.0 - 4985.6	5	Tundra et al Daly Prov. HZNTL	
	13A-29-10-28	4609	700.0 - 1520.0	2296.0 - 4985.6	5	Tundra et al Daly Prov. HZNTL	
	02-21-02-21	4630	825.0 - 902.0	2706.0 - 2958.6	1	Enron Mountainside	
	1B	02-20-02-21	4699	810.0 - 897.0	2656.8 - 2942.2	1	Enron Mountainside

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
209	1B	16-20-02-21	4694	795.0 - 880.0	2607.6 - 2886.4	1	Enron Mountainside
		08-15-02-20	1537	800.0 - 1510.0	2624.0 - 4952.8	4	Jumping Pound Prospect High Crest et al
		10-20-02-21	4697	805.0 - 885.5	2640.4 - 2904.4	1	Enron Mountainside
		07-20-02-21	4698	810.0 - 892.0	2656.8 - 2925.7	1	Enron Mountainside
	1C	14-16-02-21	4582	830.0 - 950.0	2722.4 - 3116.0	1	Enron Mountainside
		05-21-02-21	4657	810.0 - 892.0	2656.8 - 2925.7	1	Enron Mountainside
		07-12-03-21	4706	720.0 - 825.0	2361.6 - 2706.0	1	Enron Whitewater
		04-10-03-21	4082	765.0 - 791.5	2509.2 - 2596.1	1	Dome et al Whitewater
		A11-16-02-21	4616	845.0 - 962.0	2771.6 - 3155.4	1	Enron Mountainside
		03-21-02-21	4618	830.0 - 949.0	2722.4 - 3112.8	1	Enron Mountainside
		12-16-02-21	4617	845.0 - 917.0	2771.6 - 3007.8	1	Enron Mountainside
	2A	07-34-12-28	2590	350.0 - 2090.0	1148.0 - 6855.2	3	Sun et al Kirkella
		09-28-12-28	2554	300.0 - 2550.0	984.0 - 8364.0	5	CDCOG et al Kirkella
	2B	13-21-12-28	1152	1010.0 - 2382.0	3312.8 - 7812.9	3	Basco Kenage
		15-16-06-26	4722	865.0 - 1695.0	2837.2 - 5559.6	4	CNRES South Pipestone HZNTL
	2C	05-32-05-26	4711	575.0 - 1070.0	1886.0 - 3509.6	2	Rigel Bernice Prov. HZNTL
		05-32-05-26	4711	575.0 - 1070.0	1886.0 - 3509.6	2	Rigel Bernice Prov. HZNTL
		10-17-03-29	4727	975.0 - 1055.0	3198.0 - 3460.4	1	Marjohn Pierson
		01-19-16-27	4714	420.0 - 548.0	1377.6 - 1797.4	1	Northrock Birdtail Prov.
	3A	15-12-10-28	4735	650.0 - 1155.0	2132.0 - 3788.4	2	Chevron Daly Unit No. 3 HZNTL
		A14-09-06-26	4736	575.0 - 1370.0	1886.0 - 4493.6	4	Rigel South Pipestone Prov. HZNTL
		15-12-10-28	4735	650.0 - 1155.0	2132.0 - 3788.4	2	Chevron Daly Unit No. 3 HZNTL
		16-07-13-29	4710	300.0 - 855.0	984.0 - 2804.4	3	Renaissance Manson Prov.
	3B	08-21-16-29	4721	350.0 - 485.0	1148.0 - 1590.8	1	Renaissance St. Lazare
		13-15-16-29	4718	350.0 - 514.0	1148.0 - 1685.9	1	Renaissance St. Lazare DIR
		06-22-16-29	4719	350.0 - 515.0	1148.0 - 1689.2	1	Renaissance St. Lazare Prov. DIR
		04-24-01-29	4716	950.0 - 1150.0	3116.0 - 3772.0	2	Tri-Ex et al Pierson Prov.
	3C	13-03-02-29	5878	975.0 - 1035.0	3198.0 - 3394.8	1	CNRL Pierson
B16-09-02-29		5920	975.0 - 1035.0	3198.0 - 3394.8	1	South Pierson Unit No. 1	
06-18-10-18		4705	155.0 - 1061.0	508.4 - 3480.0	4	Simplot Brandon SWD Koch Brandon SWD	
02-17-10-18		4704	165.0 - 1035.0	541.2 - 3394.8	4	Simplot Brandon SWD Koch Brandon SWD	
4A	12-04-06-26	4732	450.0 - 850.0	1476.0 - 2788.0	2	Talisman South Pipestone Rigel South Pipestone	
	03-09-06-26	4729	600.0 - 1390.0	1968.0 - 4559.2	4	Rigel South Pipestone Prov. HZNTL	
4B	13B-04-02-29	5883	975.0 - 1038.5	3198.0 - 3406.3	1	South Pierson Unit No. 1 Prov.	
	01-31-09-28	4738	700.0 - 1238.0	2296.0 - 4060.6	3	Chevron Daly HZNTL	
	04-16-06-26	4737	830.0 - 1300.0	2722.4 - 4264.0	2	CNRES South Pipestone HZNTL	
	01-18-02-29	5865	975.0 - 1040.0	3198.0 - 3411.2	1	South Pierson Unit No. 1 Prov.	
	A14-09-06-26	4736	675.0 - 1270.0	2214.0 - 4165.6	3	Rigel South Pipestone Prov. HZNTL	
	04-16-06-26	4737	830.0 - 1300.0	2722.4 - 4264.0	2	CNRES South Pipestone HZNTL	

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209	4C	11-09-06-26	4741	800.0 - 1248.0	2624.0 - 4093.4	2	Rigel South Pipestone Prov. HZNTL
		06-12-10-28	263	650.0 - 1145.0	2132.0 - 3755.6	2	Calstan Daly Prov. WIW
		03-22-03-28	3280	1100.0 - 1658.0	3608.0 - 5438.3	3	Quest Pierson
	5A	12A-13-10-28	4764	625.0 - 1417.0	2050.0 - 4647.8	4	Daly Unit No. 3 HZNTL
		08-04-05-25	4746	725.0 - 855.0	2378.0 - 2804.4	1	Rigel West Lauder
		16-05-07-29	4655	840.0 - 1060.0	2755.2 - 3476.8	1	Rangeland et al Sinclair
		16-05-07-29	4655	840.0 - 1060.0	2755.2 - 3476.8	1	Rangeland et al Sinclair
		10-25-10-26	4761	525.0 - 1270.0	1722.0 - 4165.6	3	Chevron VRU No. 1 HZNTL
	5B	15-22-11-26	4752	525.0 - 1303.0	1722.0 - 4273.8	4	Chevron NVSU No. 1 HZNTL
		15-06-11-25	4748	500.0 - 1095.0	1640.0 - 3591.6	3	Chevron VRU No.2 Prov. HZNTL
		03-04-12-26	4742	500.0 - 1156.0	1640.0 - 3791.7	3	Chevron NVSU No. 1 HZNTL
	5C	11-06-03-29	4760	1170.0 - 1605.0	3837.6 - 5264.4	2	Search et al Pierson Prov. HZNTL
		11-06-03-29	4760	1170.0 - 1605.0	3837.6 - 5264.4	2	Search et al Pierson Prov. HZNTL
		11-06-03-29	4760	1175.0 - 1464.0	3854.0 - 4801.9	2	Search et al Pierson Prov. HZNTL
		11-06-03-29	4760	1175.0 - 1464.0	3854.0 - 4801.9	2	Search et al Pierson Prov. HZNTL
		03-12-11-27	4726	605.0 - 805.0	1984.4 - 2640.4	2	Tri Link Virden Prov.
		13-32-02-24	4724	725.0 - 915.0	2378.0 - 3001.2	1	Tri Link Goodlands
		09-09-06-26	4773	450.0 - 845.0	1476.0 - 2771.6	2	Rigel South Pipestone Prov.
		06-30-03-29	4743	750.0 - 1055.0	2460.0 - 3460.4	1	Wascana Pierson
	6A	07-36-08-27	4739	640.0 - 913.0	2099.2 - 2994.6	2	Tri Link Daly Prov.
02-11-10-27		4728	650.0 - 847.0	2132.0 - 2778.2	2	Tri Link Virden Prov.	
01-26-10-27		4740	615.0 - 830.0	2017.2 - 2722.4	2	Tri Link Virden	
04-11-11-27		4725	620.0 - 820.0	2033.6 - 2689.6	2	Tri Link Virden Prov.	
6B	14-24-01-25	4723	820.0 - 1195.0	2689.6 - 3919.6	2	Tri Link Waskada	
	05-13-05-22	320	390.0 - 1533.1	1279.2 - 5028.7	10	Souris Valley Warnez	
6C	12-17-03-21	4667	400.0 - 785.0	1312.0 - 2574.8	2	Corvair	
	03-20-16-27	4755	425.0 - 549.0	1394.0 - 1800.7	1	Northrock Birdtail	
	07-19-16-27	4754	425.0 - 546.0	1394.0 - 1790.9	1	Northrock Birdtail Prov.	
	05-13-05-22	320	390.0 - 1533.1	1279.2 - 5028.7	10	Souris Valley Warnez	
	07-19-16-27	4754	425.0 - 546.0	1394.0 - 1790.9	1	Northrock Birdtail Prov.	
7A	13-18-16-29	4777	350.0 - 600.0	1148.0 - 1968.0	2	Renaissance St. Lazare	
7B	02-07-16-26	4744	300.0 - 1345.0	984.0 - 4411.6	5	Renaissance South Birtle	
	01-21-01-24	4747	860.0 - 960.0	2820.8 - 3148.8	1	Tundra Goodlands	
	13-11-17-28	4749	300.0 - 545.0	984.0 - 1787.6	1	Renaissance St. Lazare Prov.	
	01-20-16-29	4751	350.0 - 492.0	1148.0 - 1613.7	1	Renaissance St. Lazare	
	14-24-15-27	4762	350.0 - 590.0	1148.0 - 1935.2	1	Renaissance Birdtail Prov.	
AT	04-01-14-29	8173	145.0 - 724.0	475.6 - 2374.7	3	Fort Calgary South McAuley	
	04-31-13-28	8109	140.0 - 2109.0	459.2 - 6917.5	6	Fort Calgary East Manson HZNTL	
	09-01-14-29	8567	135.0 - 680.0	442.8 - 2230.4	3	Fort Calgary Willen Prov. HZNTL	
	04-31-13-28	8109	140.0 - 2109.0	459.2 - 6917.5	6	Fort Calgary East Manson HZNTL	
BT	09-06-14-28	8627	820.0 - 1969.0	2689.6 - 6458.3	3	Fort Calgary Willen Prov. HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
209	BT	12-29-13-28	8318	140.0 - 688.0	459.2 - 2256.6	3	Fort Calgary East Manson Prov. HZNTL
		10-30-13-28	8219	720.0 - 1384.0	2361.6 - 4539.5	2	Fort Calgary East Manson Prov. HZNTL
		12-29-13-28	8318	140.0 - 688.0	459.2 - 2256.6	3	Fort Calgary East Manson Prov. HZNTL
		11-28-13-28	7500	330.0 - 704.0	1082.4 - 2309.1	2	Fort Calgary East Manson Prov.
		10-30-13-28	8219	720.0 - 1384.0	2361.6 - 4539.5	2	Fort Calgary East Manson Prov. HZNTL
		04-36-16-28	8673	450.0 - 1250.0	1476.0 - 4100.0	2	Tundra St. Lazare HZNTL
	CT	04-33-08-29	8587	830.0 - 2422.0	2722.4 - 7944.2	4	Tundra Daly Sinclair HZNTL
		04-09-09-29	8619	815.0 - 2458.5	2673.2 - 8063.9	4	Tundra Daly Sinclair HZNTL
		05-36-16-28	8635	450.0 - 1355.0	1476.0 - 4444.4	3	Tundra St. Lazare HZNTL
	210	1A	16-32-15-27	4769	425.0 - 552.0	1394.0 - 1810.6	1
A02-19-16-27			4811	420.0 - 545.0	1377.6 - 1787.6	1	Progress Birdtail Prov.
05-12-03-29			4778	900.0 - 1830.0	2952.0 - 6002.4	6	Tundra et al Pierson HZNTL
1B		08-04-05-25	4746	475.0 - 855.0	1558.0 - 2804.4	2	Rigel West Lauder
1C		06-33-10-29	4786	750.0 - 1770.0	2460.0 - 5805.6	6	Kola Unit No. 2 HZNTL
		16-02-14-29	2127	1600.0 - 2185.0	5248.0 - 7166.8	2	Samedan Manson Prov.
2A		16D-30-11-26	4672	2.0 - 575.0	6.6 - 1886.0	6	Mountcliff NVS Unit No. 2 HZNTL
		04-02-03-21	3724	750.0 - 1440.0	2460.0 - 4723.2	3	Cdn. Roxy-Andex Whitewater
		16D-30-11-26	4672	2.0 - 575.0	6.6 - 1886.0	6	Mountcliff NVS Unit No. 2 HZNTL
2B		16-19-11-26	4791	820.0 - 1690.0	2689.6 - 5543.2	6	Tundra et al Virden Prov. HZNTL
		16-19-11-26	4791	820.0 - 1690.0	2689.6 - 5543.2	6	Tundra et al Virden Prov. HZNTL
2C		09-25-14-28	2284	500.0 - 1600.0	1640.0 - 5248.0	2	K.R. et al W. Birdtail Prov.
		03-28-13-29	540	1880.0 - 2465.0	6166.4 - 8085.2	1	Manson Town Sapphire Henderson No. 1
AT		A11-14-01-25	8390	940.0 - 1698.0	3083.2 - 5569.4	2	EOG Waskada HZNTL
		12-29-10-25	8480	500.0 - 1989.0	1640.0 - 6523.9	6	Virden Roselea Unit No. 1 Prov. HZNTL
		10-20-01-27	8456	975.0 - 1747.0	3198.0 - 5730.2	2	EOG Coulter HZNTL
		16-10-01-25	8417	920.0 - 1688.0	3017.6 - 5536.6	2	EOG Waskada HZNTL
BT		12-27-10-29	8444	755.0 - 2362.0	2476.4 - 7747.4	4	Tundra Daly Sinclair HZNTL
		09-08-01-25	8341	920.0 - 1643.0	3017.6 - 5389.0	2	EOG Waskada HZNTL
		06-24-10-29	8487	750.0 - 2345.0	2460.0 - 7691.6	4	Tundra Daly Sinclair HZNTL
	11-35-01-25	8277	920.0 - 1676.0	3017.6 - 5497.3	2	EOG Waskada HZNTL	
CT	07-22-10-29	8508	750.0 - 2234.5	2460.0 - 7329.2	4	Tundra et al Daly Sinclair Prov. HZNTL	
	13-08-10-29	8557	780.0 - 2241.0	2558.4 - 7350.5	4	Tundra Daly Sinclair HZNTL	
211	1A	13-12-15-16	1498	330.0 - 862.6	1082.4 - 2829.3	4	Canadian Prospect Springhill 13-12
		07-05-14-29	2626	.0 - 723.0	.0 - 2371.4	5	Narayan et al Manson
	1B	16-18-16-27	4807	335.0 - 546.0	1098.8 - 1790.9	1	Progress Birdtail Prov.
		11-02-13-29	1462	1910.0 - 2555.0	6264.8 - 8380.4	1	Peacock Exploration - West Burnbak
		14-35-10-27	4801	615.0 - 820.0	2017.2 - 2689.6	2	Tri Link Virden
	1C	09-16-09-29	3744	885.0 - 942.0	2902.8 - 3089.7	1	Rideau et al Daly
		12-10-12-29	4790	470.0 - 845.0	1541.6 - 2771.6	2	Renaissance Kirkella Prov. DIR
		01-28-09-29	3712	864.0 - 926.0	2833.9 - 3037.2	1	Rideau Daly Prov.
		01-28-09-29	3712	864.0 - 926.0	2833.9 - 3037.2	1	Rideau Daly Prov.

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
211	1C	09-16-09-29	3744	885.0 - 942.0	2902.8 - 3089.7	1	Rideau et al Daly
	2A	14-05-14-29	347	290.0 - 2390.0	951.2 - 7839.2	4	J.P. Owen - Poole - Manson
		08-07-14-29	1743	400.0 - 2470.0	1312.0 - 8101.6	4	West Cdn. Manson
	2B	06-31-14-27	2561	300.0 - 1890.0	984.0 - 6199.2	4	CDCOG et al Uno
		09-25-14-28	2284	1600.0 - 2005.0	5248.0 - 6576.4	1	K.R. et al W. Birdtail Prov.
		13-12-15-29	2555	300.0 - 2040.0	984.0 - 6691.2	4	CDCOG et al McAuley Prov.
	2C	09-09-14-29	2556	320.0 - 2315.0	1049.6 - 7593.2	5	CDCOG et al Manson
		02-03-13-27	240	.0 - 1995.0	.0 - 6543.6	4	Royalite Triad et al Two Creeks No. 1
	3A	A05-08-15-29	4788	250.0 - 765.0	820.0 - 2509.2	6	Rigel McAuley
		04-20-13-27	577	2055.0 - 2155.0	6740.4 - 7068.4	1	Sapphire West Miniota No. 1
		06-33-13-27	2220	500.0 - 1640.0	1640.0 - 5379.2	3	Mobil Birdtail
	3B	04-19-15-28	2146	1200.0 - 2040.0	3936.0 - 6691.2	2	Monterey et al Birdtail
		10-28-15-27	1970	470.0 - 1815.0	1541.6 - 5953.2	2	Great Plains Birdtail
		05-08-15-29	3493	135.0 - 756.0	442.8 - 2479.7	5	Rife et al McAuley
	3C	11-02-13-29	1462	560.0 - 1910.0	1836.8 - 6264.8	2	Peacock Exploration - West Burnbak
		09-05-14-29	1985	380.0 - 1710.0	1246.4 - 5608.8	2	Jordan Manson
		16-36-14-27	2291	600.0 - 2055.0	1968.0 - 6740.4	3	Champlin Birdtail Creek
	4A	01-12-13-29	2283	1050.0 - 2445.0	3444.0 - 8019.6	3	K.R. Bralorne Nisco Creek Prov.
		15-29-15-28	232	10.0 - 1630.0	32.8 - 5346.4	3	Calstan Treat Prov.
		14-24-11-27	4804	585.0 - 795.0	1918.8 - 2607.6	2	Tri Link Virden
		08-05-16-27	4689	335.0 - 544.0	1098.8 - 1784.3	1	Northrock Birdtail
	4B	03-28-13-29	540	300.0 - 1870.0	984.0 - 6133.6	3	Manson Town Sapphire Henderson No. 1
		09-11-14-29	558	240.0 - 2255.0	787.2 - 7396.4	4	Sapphire West Willen No. 1
		NE-19-14-18	1218	10.0 - 670.0	32.8 - 2197.6	1	Shell Core Hole No. 7
	4C	02-11-15-29	1745	400.0 - 2140.0	1312.0 - 7019.2	3	West Cdn. McAuley Prov.
		15-10-14-27	449	370.0 - 1744.0	1213.6 - 5720.3	3	Canadian O & GR et al Uno
		05-11-14-29	2076	1500.0 - 2430.0	4920.0 - 7970.4	3	Garvey Manson Prov.
5A	09-15-11-27	4802	610.0 - 791.0	2000.8 - 2594.5	2	Tri-Link Hargrave	
	08-11-11-27	4813	615.0 - 775.0	2017.2 - 2542.0	2	Tri Link Virden Prov.	
	14-05-03-29	4808	915.0 - 1384.0	3001.2 - 4539.5	3	Search et al Pierson HZNTL	
	14-05-03-29	4808	915.0 - 1384.0	3001.2 - 4539.5	3	Search et al Pierson HZNTL	
	12-05-03-29	4805	975.0 - 1110.0	3198.0 - 3640.8	1	Search et al Pierson	
5B	03-13-14-29	2557	320.0 - 2210.0	1049.6 - 7248.8	4	CDCOG et al Willen	
	05-21-12-29	420	702.6 - 850.4	2304.4 - 2789.3	2	Calstan Kirkella Prov.	
	04-20-13-27	577	820.0 - 2020.0	2689.6 - 6625.6	2	Sapphire West Miniota No. 1	
5C	06-14-13-28	1958	350.0 - 2310.0	1148.0 - 7576.8	3	Laurence et al Reeder Prov.	
	01-12-13-29	2283	500.0 - 1040.0	1640.0 - 3411.2	1	K.R. Bralorne Nisco Creek Prov.	
	03-33-15-29	341	70.0 - 926.6	229.6 - 3039.2	5	J.P. Owen Ross V.L.A.	
6A	07-29-05-29	4818	890.0 - 980.0	2919.2 - 3214.4	1	Tundra Tilston Prov.	
	03-12-05-27	4822	800.0 - 895.0	2624.0 - 2935.6	1	Wascana Broomhill	
	01-22-06-28	4820	840.0 - 1292.0	2755.2 - 4237.7	2	Wascana South Linklater Prov.	

**Non Confidential Sample Cuttings**  
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**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
211	6A	11-36-05-29	4819	895.0 - 1345.0	2935.6 - 4411.6	2	Wascana Tilston Prov. Starpoint Tilston Prov. Nexen Tilston Prov.
		09-25-01-24	4816	890.0 - 940.0	2919.2 - 3083.2	1	Tundra Goodlands
		16-01-02-21	4815	900.0 - 945.0	2952.0 - 3099.6	1	Tundra Mountainside
	6B	06-12-13-27	4795	240.0 - 765.0	787.2 - 2509.2	3	Renaissance Miniota DIR
		13-11-12-29	4794	480.0 - 835.0	1574.4 - 2738.8	2	Renaissance Kirkella Prov.
	6C	08-12-03-29	4799	900.0 - 1760.0	2952.0 - 5772.8	3	Tundra Pierson Prov. HZNTL
		C01-08-06-29	4809	1140.0 - 1685.0	3739.2 - 5526.8	2	Tundra et al Tilston HZNTL
		08-12-03-29	4799	900.0 - 1760.0	2952.0 - 5772.8	3	Tundra Pierson Prov. HZNTL
		08-12-03-29	4799	1290.0 - 1850.0	4231.2 - 6068.0	2	Tundra Pierson Prov. HZNTL
		C01-08-06-29	4809	850.0 - 1470.0	2788.0 - 4821.6	2	Tundra et al Tilston HZNTL
		C01-08-06-29	4809	850.0 - 1470.0	2788.0 - 4821.6	2	Tundra et al Tilston HZNTL
		08-12-03-29	4799	1290.0 - 1850.0	4231.2 - 6068.0	2	Tundra Pierson Prov. HZNTL
		C01-08-06-29	4809	1140.0 - 1685.0	3739.2 - 5526.8	2	Tundra et al Tilston HZNTL
		AT	16-16-10-28	7879	730.0 - 2359.0	2394.4 - 7737.5	4
	09-16-10-28		7899	720.0 - 2358.0	2361.6 - 7734.2	4	Tundra Daly Sinclair Prov. HZNTL
	08-29-10-28		7893	715.0 - 2334.0	2345.2 - 7655.5	4	Tundra Daly Sinclair Prov. HZNTL
	BT	13-05-11-29	8630	755.0 - 2238.0	2476.4 - 7340.6	4	Tundra South Kirkella HZNTL
		05-17-02-28	8527	980.0 - 1830.0	3214.4 - 6002.4	3	EOG Pierson HZNTL
		16-08-11-29	8616	750.0 - 2370.0	2460.0 - 7773.6	5	Tundra South Kirkella HZNTL
		16-08-11-29	8616	750.0 - 2370.0	2460.0 - 7773.6	5	Tundra South Kirkella HZNTL
	CT	12-30-10-28	8588	720.0 - 2160.0	2361.6 - 7084.8	4	Tundra Daly Sinclair Prov. HZNTL
05-17-11-29		8597	745.0 - 2360.0	2443.6 - 7740.8	4	Tundra South Kirkella HZNTL	
13-27-10-29		8445	755.0 - 2378.0	2476.4 - 7799.8	4	Tundra Daly Sinclair HZNTL	
212	1A	14-15-02-29	5882	975.0 - 1025.0	3198.0 - 3362.0	1	CNRL Pierson
		14-06-03-29	4821	1110.0 - 1343.0	3640.8 - 4405.0	6	Search et al Pierson Prov. HZNTL
		14-06-03-29	4821	1110.0 - 1343.0	3640.8 - 4405.0	6	Search et al Pierson Prov. HZNTL
		14-06-03-29	4821	1000.0 - 1384.0	3280.0 - 4539.5	6	Search et al Pierson Prov. HZNTL
		16-01-11-27	4800	605.0 - 810.0	1984.4 - 2656.8	2	Tri Link Virden
		A05-15-02-29	5921	975.0 - 1030.0	3198.0 - 3378.4	1	South Pierson Unit No. 1
		14-06-03-29	4821	1000.0 - 1384.0	3280.0 - 4539.5	6	Search et al Pierson Prov. HZNTL
	1B	A15-31-05-29	4514	415.0 - 1660.0	1361.2 - 5444.8	3	Osprey Tundra Tilston
		10-31-05-29	1299	1000.0 - 1763.0	3280.0 - 5782.6	2	Sweet Grass Tilston
		03-31-05-29	2844	950.0 - 1445.0	3116.0 - 4739.6	2	Tundra Tilston
		07-08-08-28	6082	800.0 - 957.5	2624.0 - 3140.6	1	Tundra Sinclair
		A01-08-06-29	4498	1035.0 - 1723.0	3394.8 - 5651.4	3	Tundra Osprey Tilston HZNTL
	1C	03-31-05-29	2844	950.0 - 1445.0	3116.0 - 4739.6	2	Tundra Tilston
		06-08-06-28	4508	1060.0 - 1554.0	3476.8 - 5097.1	3	HCO et al S. Linklater HZNTL
		06-08-06-28	4508	1060.0 - 1554.0	3476.8 - 5097.1	3	HCO et al S. Linklater HZNTL
06-08-06-28		4508	1060.0 - 1554.0	3476.8 - 5097.1	3	HCO et al S. Linklater HZNTL	
16-06-06-28		4433	870.0 - 960.0	2853.6 - 3148.8	1	Alliance Corsair et al S. Linklater	



**Non Confidential Sample Cuttings**  
by  
**Section / Row**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
212	1C	11-06-06-28	4516	1005.0 - 1424.0	3296.4 - 4670.7	2	HCO et al S. Linklater HZNTL
		11-06-06-28	4516	1005.0 - 1424.0	3296.4 - 4670.7	2	HCO et al S. Linklater HZNTL
		11-06-06-28	4516	1005.0 - 1424.0	3296.4 - 4670.7	2	HCO et al S. Linklater HZNTL
		08-10-06-28	4568	195.0 - 935.0	639.6 - 3066.8	1	HCO Cabre S. Linklater Prov.
		10-31-05-29	1299	1000.0 - 1763.0	3280.0 - 5782.6	2	Sweet Grass Tilston
	1C,	A10-31-05-29	2648	1000.0 - 1763.0	3280.0 - 5782.6	2	Tundra Tilston
	2A	12-15-06-29	4509	1010.0 - 1335.0	3312.8 - 4378.8	2	Tundra Osprey Tilston HZNTL
		03-31-05-29	4506	1055.0 - 1628.0	3460.4 - 5339.8	3	Osprey Tundra Tilston HZNTL
		03-31-05-29	4506	1055.0 - 1628.0	3460.4 - 5339.8	3	Osprey Tundra Tilston HZNTL
		03-31-05-29	4506	1082.0 - 1584.0	3549.0 - 5195.5	3	Osprey Tundra Tilston HZNTL
		03-31-05-29	4506	1082.0 - 1584.0	3549.0 - 5195.5	3	Osprey Tundra Tilston HZNTL
	2B	03-31-05-29	2844	1450.0 - 1465.0	4756.0 - 4805.2	1	Tundra Tilston
		12-32-05-29	365	925.0 - 1538.0	3034.0 - 5044.6	3	Owen Tilston Prov.
		10-31-05-29	1299	1250.0 - 1495.0	4100.0 - 4903.6	1	Sweet Grass Tilston
		06-07-03-29	4541	990.0 - 1090.0	3247.2 - 3575.2	1	HCO et al Pierson
		12-05-06-29	4537	900.0 - 995.0	2952.0 - 3263.6	1	HCO et al Tilston
		05-08-06-28	4535	150.0 - 950.0	492.0 - 3116.0	1	HCO et al S. Linklater
		12-31-05-29	4534	925.0 - 995.0	3034.0 - 3263.6	1	HCO et al Tilston
		01-15-05-28	4567	850.0 - 970.0	2788.0 - 3181.6	1	HCO East Tilston
	3A	02-29-09-25	4827	575.0 - 1212.0	1886.0 - 3975.4	2	Tundra Virden Prov. HZNTL
		01-17-06-22	4826	600.0 - 1707.0	1968.0 - 5599.0	3	Tundra Souris Hartney HZNTL
		02-29-09-25	4827	575.0 - 1212.0	1886.0 - 3975.4	2	Tundra Virden Prov. HZNTL
		02-29-09-25	4827	750.0 - 1320.0	2460.0 - 4329.6	2	Tundra Virden Prov. HZNTL
		02-29-09-25	4827	750.0 - 1320.0	2460.0 - 4329.6	2	Tundra Virden Prov. HZNTL
		A13-26-01-21	4825	975.0 - 1848.0	3198.0 - 6061.4	3	Tundra Lulu Lake Prov. HZNTL
3B	02-29-09-25	4827	750.0 - 1320.0	2460.0 - 4329.6	2	Tundra Virden Prov. HZNTL	
	02-29-09-25	4827	750.0 - 1320.0	2460.0 - 4329.6	2	Tundra Virden Prov. HZNTL	
AT	12-26-10-29	7909	745.0 - 2204.0	2443.6 - 7229.1	4	Tundra Daly Sinclair HZNTL	
	03-23-07-29	8509	885.0 - 2432.0	2902.8 - 7977.0	4	Tundra Daly Sinclair HZNTL	
	02-21-07-29	8225	885.0 - 2434.0	2902.8 - 7983.5	4	Tundra Daly Sinclair HZNTL	
BT	11-10-13-28	7936	150.0 - 700.0	492.0 - 2296.0	3	Tundra East Manson	
	04-02-17-28	7951	450.0 - 1497.0	1476.0 - 4910.2	3	Tundra St. Lazare HZNTL	
	08-36-13-28	7937	150.0 - 642.0	492.0 - 2105.8	2	Tundra East Manson Prov.	
	A08-05-01-24	8336	915.0 - 1684.0	3001.2 - 5523.5	2	EOG Waskada HZNTL	
	02-31-16-27	7953	500.0 - 1300.0	1640.0 - 4264.0	2	Tundra Birdtail HZNTL	
CT	01-17-02-28	8526	960.0 - 1820.0	3148.8 - 5969.6	3	EOG Pierson HZNTL	
	01-05-01-24	8331	930.0 - 1775.0	3050.4 - 5822.0	3	EOG Waskada HZNTL	
	08-05-01-24	8335	915.0 - 1757.0	3001.2 - 5763.0	2	EOG Waskada HZNTL	
	11-33-01-27	8465	955.0 - 1836.0	3132.4 - 6022.1	3	EOG Coulter HZNTL	
	12-31-01-27	8446	970.0 - 1641.0	3181.6 - 5382.5	2	EOG Coulter HZNTL	
213	AT	08-21-07-28	8513	820.0 - 2465.0	2689.6 - 8085.2	4	Tundra Daly Sinclair HZNTL

## Non Confidential Sample Cuttings by Section / Row

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name	
213	AT	14-14-08-29	8453	815.0 - 2126.0	2673.2 - 6973.3	4	Sinclair Unit No. 7 Prov. HZNTL	
		01-27-07-29	8571	865.0 - 2527.0	2837.2 - 8288.6	4	Tundra Daly Sinclair HZNTL	
		16-21-07-28	8500	825.0 - 2466.0	2706.0 - 8088.5	4	Tundra Daly Sinclair HZNTL	
	BT	A08-35-01-28	8467	720.0 - 2330.0	2361.6 - 7642.4	4	Legacy Pierson HZNTL	
		06-26-01-25	8404	910.0 - 1675.0	2984.8 - 5494.0	2	EOG Waskada HZNTL	
		B14-35-01-25	8278	920.0 - 1705.0	3017.6 - 5592.4	2	EOG Waskada HZNTL	
		06-29-02-29	8419	1030.0 - 1788.0	3378.4 - 5864.6	2	EOG Pierson Prov. HZNTL	
		02-08-01-25	7883	930.0 - 1666.0	3050.4 - 5464.5	2	EOG Waskada HZNTL	
	CT	04-29-08-29	8555	850.0 - 2366.0	2788.0 - 7760.5	4	Tundra Daly Sinclair Prov. HZNTL	
		09-28-01-25	8504	930.0 - 1666.0	3050.4 - 5464.5	2	EOG Waskada HZNTL	
	214	1B2	16-34-07-29	8579	870.0 - 2370.0	2853.6 - 7773.6	4	Tundra Daly Sinclair Prov. HZNTL
			12-33-08-29	8583	825.0 - 2452.0	2706.0 - 8042.6	4	Tundra Daly Sinclair HZNTL
		A14-35-01-25	8276	920.0 - 1731.0	3017.6 - 5677.7	3	EOG Waskada HZNTL	
		13-08-01-25	8418	930.0 - 1691.0	3050.4 - 5546.5	2	EOG Waskada HZNTL	
		05-07-02-25	8403	900.0 - 1613.0	2952.0 - 5290.6	2	EOG Waskada HZNTL	
214	1B2	16-18-24-21	195	.0 - 486.2	.0 - 1594.6	4	B.A. Gilbert Plains Prov.	
	3C	01-27-17-26	17	.0 - 1297.0	.0 - 4254.2	7	Imperial Birtle No. 1	
	4A	01-27-17-26	17	.0 - 1297.0	.0 - 4254.2	7	Imperial Birtle No. 1	
	6C	02-07-18-25	2428	118.0 - 633.9	387.0 - 2079.2	5	Apache et al Solsgirth	
	AT	16-25-08-28	8605	725.0 - 2362.0	2378.0 - 7747.4	4	Tundra Daly Sinclair HZNTL	
		04-06-09-29	8617	840.0 - 2458.5	2755.2 - 8063.9	4	Tundra Daly Sinclair HZNTL	
		13-18-09-27	8589	710.0 - 2184.5	2328.8 - 7165.2	4	Tundra Daly Sinclair HZNTL	
		16-36-07-29	8600	1080.0 - 2500.0	3542.4 - 8200.0	4	Tundra Daly Sinclair Prov. HZNTL	
	BT	04-19-08-29	8628	870.0 - 2522.0	2853.6 - 8272.2	4	Tundra et al Daly Sinclair HZNTL	
		13-19-09-27	8620	710.0 - 2195.0	2328.8 - 7199.6	4	Tundra Daly Sinclair HZNTL	
		16-34-10-29	8573	760.0 - 2221.5	2492.8 - 7286.5	4	Tundra Daly Sinclair Prov. HZNTL	
	CT	A05-30-10-28	8590	720.0 - 2152.0	2361.6 - 7058.6	4	Tundra Daly Sinclair HZNTL	
	215	AT	09-23-11-28	8558	700.0 - 2239.0	2296.0 - 7343.9	7	CPEC Elkhorn HZNTL
			10-22-01-27	8614	985.0 - 1897.0	3230.8 - 6222.2	3	EOG Coulter HZNTL
			15-20-01-27	8458	1000.0 - 1871.0	3280.0 - 6136.9	3	EOG Coulter HZNTL
12-16-10-29			8572	775.0 - 2401.0	2542.0 - 7875.3	4	Tundra Daly Sinclair HZNTL	
BT		A10-20-01-27	8457	975.0 - 1847.0	3198.0 - 6058.2	3	EOG Coulter HZNTL	
215	AT	B12-29-08-28	8402	765.0 - 2419.0	2509.2 - 7934.3	4	Tundra Daly Sinclair Prov. HZNTL	
		A12-29-08-28	8401	765.0 - 2442.0	2509.2 - 8009.8	4	Tundra Daly Sinclair Prov. HZNTL	
		09-25-10-29	7897	745.0 - 2357.0	2443.6 - 7731.0	4	Tundra Daly Sinclair HZNTL	
		08-25-10-29	7961	745.0 - 2366.0	2443.6 - 7760.5	4	Tundra Daly Sinclair HZNTL	
	BT	12-19-02-29	8433	950.0 - 1897.0	3116.0 - 6222.2	3	South Pierson Unit No. 2 HZNTL	
		01-03-13-28	8459	840.0 - 1855.0	2755.2 - 6084.4	3	Reliable East Manson HZNTL	
		16-28-08-28	8435	760.0 - 2252.0	2492.8 - 7386.6	4	Tundra et al Daly Sinclair HZNTL	
		03-15-13-28	8569	820.0 - 1741.0	2689.6 - 5710.5	2	Reliable East Manson HZNTL	
BT	12-35-12-29	8470	145.0 - 793.0	475.6 - 2601.0	3	Fort Calgary East Manson		

## Non Confidential Sample Cuttings by Section / Row

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
215	CT	01-34-12-27	8288	150.0 - 698.0	492.0 - 2289.4	3	Magellan North Hargrave Prov.
		08-30-02-29	8074	995.0 - 1812.0	3263.6 - 5943.4	3	South Pierson Unit No. 2 HZNTL
		03-23-02-29	7607	925.0 - 1673.0	3034.0 - 5487.4	3	CNRL Pierson HZNTL
		A06-20-02-29	8432	950.0 - 2182.0	3116.0 - 7157.0	3	South Pierson Unit No. 2 HZNTL
		01-34-12-27	8288	150.0 - 698.0	492.0 - 2289.4	3	Magellan North Hargrave Prov.
		16-02-09-28	8460	1010.0 - 2347.0	3312.8 - 7698.2	3	Paradise Daly Sinclair HZNTL
216	3A	09-25-07-29	6339	830.0 - 986.0	2722.4 - 3234.1	1	Tundra Sinclair
		16-05-07-28	6345	835.0 - 1017.0	2738.8 - 3335.8	1	Tundra Sinclair
		08-18-07-28	6318	830.0 - 989.0	2722.4 - 3243.9	1	Tundra Sinclair Prov.
	6a	04-03-06-29	415	3.5 - 1165.0	11.6 - 3821.2	9	Calstan North Tilston
	AT	08-13-09-29	8412	795.0 - 2289.0	2607.6 - 7507.9	4	Tundra Daly Sinclair HZNTL
		12-15-08-29	8482	825.0 - 2527.0	2706.0 - 8288.6	4	Sinclair Unit No. 7 HZNTL
		06-35-07-29	8559	865.0 - 2613.0	2837.2 - 8570.6	4	Tundra Daly Sinclair HZNTL
		09-14-08-29	8483	825.0 - 2298.0	2706.0 - 7537.4	4	Sinclair Unit No. 7 Prov. HZNTL
	BT	14-21-01-27	8366	965.0 - 1837.0	3165.2 - 6025.4	3	EOG Coulter HZNTL
		A11-21-01-27	8448	965.0 - 1809.0	3165.2 - 5933.5	3	EOG Coulter HZNTL
		11-21-01-27	8447	965.0 - 1840.0	3165.2 - 6035.2	3	EOG Coulter HZNTL
		16-11-11-29	8550	750.0 - 914.0	2460.0 - 2997.9	1	CPEC South Kirkella Prov. DIR
		B14-21-01-27	8439	950.0 - 1803.0	3116.0 - 5913.8	3	EOG Coulter HZNTL
		B11-21-01-27	8449	965.0 - 1840.0	3165.2 - 6035.2	3	EOG Coulter HZNTL
		A14-21-01-27	8438	965.0 - 1796.0	3165.2 - 5890.9	2	EOG Coulter HZNTL
	CT	10-08-08-28	8507	790.0 - 1674.0	2591.2 - 5490.7	3	Tundra Daly Sinclair HZNTL
		12-29-01-28	8142	1010.0 - 1752.0	3312.8 - 5746.6	2	EOG Pierson Prov. HZNTL
		12-30-01-27	8150	965.0 - 1632.0	3165.2 - 5353.0	2	EOG Coulter HZNTL
		03-11-11-29	8533	750.0 - 911.0	2460.0 - 2988.1	1	CPEC South Kirkella Prov.
		05-26-10-29	7908	745.0 - 2214.0	2443.6 - 7261.9	4	Tundra Daly Sinclair HZNTL
16-29-08-29		8556	865.0 - 2543.0	2837.2 - 8341.0	4	Tundra Daly Sinclair Prov. HZNTL	
15-17-02-29		8206	950.0 - 1087.0	3116.0 - 3565.4	1	South Pierson Unit No. 1	
217	AT	16-15-02-29	7906	955.0 - 1723.0	3132.4 - 5651.4	2	CNRL Pierson HZNTL
		08-11-14-29	8301	580.0 - 2150.0	1902.4 - 7052.0	7	CPEC South McAuley Prov. HZNTL
		08-19-13-28	8315	150.0 - 711.0	492.0 - 2332.1	3	Fort Calgary East Manson
		08-28-13-28	8455	810.0 - 1965.0	2656.8 - 6445.2	3	Fort Calgary East Manson Prov. HZNTL
	BT	A05-09-01-25	8017	850.0 - 1641.0	2788.0 - 5382.5	2	EOG Waskada HZNTL
		04-18-09-28	7277	1100.0 - 1640.0	3608.0 - 5379.2	3	Antler River Daly Sinclair HZNTL
		04-18-09-28	7277	1100.0 - 1640.0	3608.0 - 5379.2	3	Antler River Daly Sinclair HZNTL
		03-03-02-26	7234	850.0 - 2145.0	2788.0 - 7035.6	3	Waskada Unit No. 5 HZNTL
		B05-09-01-25	8018	850.0 - 1671.0	2788.0 - 5480.9	3	EOG Waskada HZNTL
	CT	08-20-11-29	8452	700.0 - 2375.0	2296.0 - 7790.0	4	T. Bird South Kirkella HZNTL
		B05-04-02-26	8476	790.0 - 2055.0	2591.2 - 6740.4	4	Waskada Unit No. 15 HZNTL
		A05-04-02-26	8475	790.0 - 2063.0	2591.2 - 6766.6	4	Waskada Unit No. 15 HZNTL
		05-04-02-26	8474	790.0 - 2073.0	2591.2 - 6799.4	4	Waskada Unit No. 15 HZNTL

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
217	CT	A07-04-02-25	7809	870.0 - 1620.0	2853.6 - 5313.6	2	Penn West Waskada HZNTL
		B07-04-02-25	7810	850.0 - 1595.0	2788.0 - 5231.6	2	Penn West Waskada HZNTL
218	AT	07-02-02-25	8057	875.0 - 1623.0	2870.0 - 5323.4	2	EOG Waskada Prov. HZNTL
		B11-09-01-25	8256	995.0 - 1717.0	3263.6 - 5631.8	2	EOG Waskada HZNTL
		06-16-01-24	8111	930.0 - 1669.0	3050.4 - 5474.3	2	EOG Waskada Prov. HZNTL
		A11-09-01-25	8255	920.0 - 1703.0	3017.6 - 5585.8	2	EOG Waskada HZNTL
		08-16-02-28	8033	900.0 - 1761.0	2952.0 - 5776.1	3	EOG Pierson HZNTL
		08-16-02-28	8033	900.0 - 1761.0	2952.0 - 5776.1	3	EOG Pierson HZNTL
		04-09-02-28	8028	920.0 - 1703.0	3017.6 - 5585.8	3	EOG Pierson HZNTL
		04-09-02-28	8028	920.0 - 1703.0	3017.6 - 5585.8	3	EOG Pierson HZNTL
		04-10-01-25	7884	900.0 - 1670.0	2952.0 - 5477.6	2	EOG Waskada Prov. HZNTL
	BT	B16-15-01-25	8158	920.0 - 1676.0	3017.6 - 5497.3	2	EOG Waskada HZNTL
		15-34-01-28	8025	900.0 - 1730.0	2952.0 - 5674.4	3	EOG Pierson HZNTL
		15-34-01-28	8025	900.0 - 1730.0	2952.0 - 5674.4	3	EOG Pierson HZNTL
		A16-15-01-25	8157	920.0 - 1647.0	3017.6 - 5402.2	2	EOG Waskada HZNTL
		16-15-01-25	8156	925.0 - 1662.0	3034.0 - 5451.4	2	EOG Waskada HZNTL
		16-05-02-28	7999	995.0 - 1775.0	3263.6 - 5822.0	2	EOG Pierson HZNTL
		15-28-01-28	8006	1035.0 - 1775.0	3394.8 - 5822.0	2	EOG Pierson HZNTL
		02-22-02-28	8289	955.0 - 1687.0	3132.4 - 5533.4	3	EOG Pierson HZNTL
		02-22-02-28	8289	955.0 - 1687.0	3132.4 - 5533.4	3	EOG Pierson HZNTL
		CT	06-34-01-28	8024	990.0 - 1678.0	3247.2 - 5503.8	2
02-09-02-25	8352		910.0 - 1896.0	2984.8 - 6218.9	3	Waskada Unit No. 16 HZNTL	
10-26-01-28	8007		965.0 - 1710.0	3165.2 - 5608.8	2	EOG Pierson Prov. HZNTL	
09-36-01-28	8132		980.0 - 1700.0	3214.4 - 5576.0	3	EOG Pierson HZNTL	
13-33-01-28	8022		920.0 - 1719.0	3017.6 - 5638.3	3	EOG Pierson HZNTL	
13-33-01-28	8022		920.0 - 1719.0	3017.6 - 5638.3	3	EOG Pierson HZNTL	
14-08-01-24	7772		905.0 - 1656.0	2968.4 - 5431.7	2	EOG Waskada HZNTL	
09-36-01-28	8132		980.0 - 1700.0	3214.4 - 5576.0	3	EOG Pierson HZNTL	
219	2A	15-28-07-29	6397	885.0 - 1043.0	2902.8 - 3421.0	1	Tundra Sinclair
		10-17-07-28	6375	815.0 - 975.0	2673.2 - 3198.0	1	Tundra Sinclair
	AT	B01-15-01-25	8148	915.0 - 1747.0	3001.2 - 5730.2	2	EOG Waskada HZNTL
		A01-15-01-25	8147	915.0 - 1770.0	3001.2 - 5805.6	3	EOG Waskada HZNTL
		11-20-01-27	8180	1030.0 - 1873.0	3378.4 - 6143.4	2	EOG Coulter HZNTL
		A04-09-01-25	8015	905.0 - 1650.0	2968.4 - 5412.0	2	EOG Waskada HZNTL
		B04-09-01-25	8016	915.0 - 1670.0	3001.2 - 5477.6	2	EOG Waskada HZNTL
		10-21-01-27	7978	955.0 - 1654.0	3132.4 - 5425.1	2	EOG Coulter HZNTL
	BT	13-14-06-23	8369	140.0 - 723.0	459.2 - 2371.4	3	Tundra Hartney HZNTL
		03-33-13-28	8038	140.0 - 685.0	459.2 - 2246.8	2	Fort Calgary East Manson HZNTL
		03-33-13-28	8038	140.0 - 685.0	459.2 - 2246.8	2	Fort Calgary East Manson HZNTL
		03-33-13-28	8038	686.0 - 1363.0	2250.1 - 4470.6	2	Fort Calgary East Manson HZNTL
		03-33-13-28	8038	686.0 - 1363.0	2250.1 - 4470.6	2	Fort Calgary East Manson HZNTL
B13-10-01-25		8398	900.0 - 1668.0	2952.0 - 5471.0	2	EOG Waskada HZNTL	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
219	BT	B01-16-01-25	7737	915.0 - 1920.0	3001.2 - 6297.6	3	EOG Waskada HZNTL
		A01-16-01-25	7736	915.0 - 1900.0	3001.2 - 6232.0	3	EOG Waskada HZNTL
		02-23-02-29	7080	1220.0 - 1693.1	4001.6 - 5553.4	2	CNRL Pierson HZNTL
	CT	B01-09-01-25	8013	900.0 - 1661.0	2952.0 - 5448.1	2	EOG Waskada HZNTL
		01-32-01-25	8223	875.0 - 1737.0	2870.0 - 5697.4	3	Waskada Unit No. 14 HZNTL
		08-09-01-25	8019	900.0 - 1668.0	2952.0 - 5471.0	2	EOG Waskada HZNTL
		A08-09-01-25	8020	850.0 - 1650.0	2788.0 - 5412.0	3	EOG Waskada HZNTL
		B08-09-01-25	8021	850.0 - 1670.0	2788.0 - 5477.6	3	EOG Waskada HZNTL
		A01-09-01-25	8012	900.0 - 1656.0	2952.0 - 5431.7	2	EOG Waskada HZNTL
		A01-32-01-25	8224	895.0 - 1762.0	2935.6 - 5779.4	3	Waskada Unit No. 14 HZNTL
220	2bc	02-10-11-25	753	220.0 - 2180.0	721.6 - 7150.4	3	Trident Fontana
	3B	12-34-07-29	6300	865.0 - 1026.0	2837.2 - 3365.3	1	Tundra Sinclair Prov.
	A-T	07-34-01-28	8362	900.0 - 1708.0	2952.0 - 5602.2	3	Atikwa Pierson HZNTL
	AT	08-25-08-28	8489	725.0 - 2389.0	2378.0 - 7835.9	4	Tundra Daly Sinclair HZNTL
		02-06-02-28	8365	900.0 - 1753.0	2952.0 - 5749.8	4	Atikwa Pierson HZNTL
	BT	01-23-08-29	8382	800.0 - 2262.0	2624.0 - 7419.4	4	Sinclair Unit No. 7 HZNTL
		01-13-08-29	8451	800.0 - 2490.0	2624.0 - 8167.2	4	Tundra Daly Sinclair HZNTL
		09-13-08-29	8436	800.0 - 2487.0	2624.0 - 8157.4	4	Tundra Daly Sinclair HZNTL
	CT	11-28-08-24	5249	350.0 - 1357.0	1148.0 - 4451.0	8	Compton Oak Lake Prov. HZNTL
		A08-30-02-29	8106	1015.0 - 1881.0	3329.2 - 6169.7	3	South Pierson Unit No. 2 HZNTL
		11-28-08-24	5249	350.0 - 1357.0	1148.0 - 4451.0	8	Compton Oak Lake Prov. HZNTL
		11-28-08-24	5249	350.0 - 1357.0	1148.0 - 4451.0	8	Compton Oak Lake Prov. HZNTL
		04-23-02-29	7608	945.0 - 1630.0	3099.6 - 5346.4	2	CNRL Pierson HZNTL
221	2C	05-35-07-29	6369	850.0 - 1013.0	2788.0 - 3322.6	1	Tundra Sinclair
	5B	04-35-08-25	432	91.4 - 749.8	299.9 - 2459.4	5	Can Dev Oak Lake CPR
	AT	08-06-10-28	8308	755.0 - 2193.0	2476.4 - 7193.0	4	Tundra et al Daly Sinclair Prov. HZNTL
		08-12-10-29	8290	760.0 - 2380.0	2492.8 - 7806.4	4	Tundra et al Daly Sinclair HZNTL
		A03-12-01-26	8371	850.0 - 2105.0	2788.0 - 6904.4	4	Waskada Unit No. 6 HZNTL
		A16-35-08-29	8195	870.0 - 2348.0	2853.6 - 7701.4	4	Tundra Daly Sinclair HZNTL
	BT	05-29-07-28	8166	825.0 - 2484.0	2706.0 - 8147.5	4	Tundra Daly Sinclair Prov. HZNTL
		09-06-11-28	8171	740.0 - 2433.0	2427.2 - 7980.2	4	Tundra Elkhorn HZNTL
		A01-20-09-29	8177	870.0 - 2201.0	2853.6 - 7219.3	3	Tundra Daly Sinclair HZNTL
		A16-12-09-29	8279	795.0 - 2327.0	2607.6 - 7632.6	4	Tundra Daly Sinclair Prov. HZNTL
	CT	12-02-10-29	8421	760.0 - 2336.0	2492.8 - 7662.1	4	Tundra et al Daly Sinclair HZNTL
		05-04-11-29	8346	755.0 - 2231.0	2476.4 - 7317.7	4	Tundra South Kirkella HZNTL
		02-19-10-29	8112	780.0 - 2402.0	2558.4 - 7878.6	4	Tundra Daly Sinclair HZNTL
12-35-10-29		8099	745.0 - 2220.0	2443.6 - 7281.6	4	Tundra Daly Sinclair HZNTL	
222	1C	16-35-34-26	863	33.5 - 838.2	109.9 - 2749.3	4	Sweet Grass Duck Mtn Prov.
	AT	16-21-10-28	8167	720.0 - 2330.0	2361.6 - 7642.4	4	Tundra Daly Sinclair HZNTL
		16-09-11-29	8227	745.0 - 2364.0	2443.6 - 7753.9	4	Tundra et al South Kirkella HZNTL

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
222	AT	09-21-10-28	8201	715.0 - 2355.0	2345.2 - 7724.4	4	Tundra Daly Sinclair Prov. HZNTL
		16-03-11-29	8246	745.0 - 2362.0	2443.6 - 7747.4	4	Tundra South Kirkella HZNTL
	BT	15-35-03-22	8229	993.0 - 2472.0	3257.0 - 8108.2	4	Tundra Regent Prov. HZNTL
		16-11-03-29	8319	700.0 - 1045.0	2296.0 - 3427.6	2	Tundra Pierson Prov. HZNTL
		13-22-10-29	8122	755.0 - 2367.0	2476.4 - 7763.8	4	Tundra Daly Sinclair HZNTL
		15-35-03-22	8229	700.0 - 2522.0	2296.0 - 8272.2	4	Tundra Regent Prov. HZNTL
		15-35-03-22	8229	700.0 - 2522.0	2296.0 - 8272.2	4	Tundra Regent Prov. HZNTL
		15-35-03-22	8229	993.0 - 2472.0	3257.0 - 8108.2	4	Tundra Regent Prov. HZNTL
	CT	12-29-07-28	8169	825.0 - 2369.0	2706.0 - 7770.3	4	Tundra Daly Sinclair Prov. HZNTL
		A13-14-02-29	8314	950.0 - 2122.0	3116.0 - 6960.2	3	Red Beds Pierson HZNTL
		13-14-02-29	8069	950.0 - 2137.0	3116.0 - 7009.4	3	Red Beds Pierson HZNTL
		A16-16-08-28	8383	750.0 - 2138.0	2460.0 - 7012.6	4	Tundra Daly Sinclair Prov. HZNTL
	223	AT	05-07-07-28	8120	1150.0 - 2378.0	3772.0 - 7799.8	3
05-07-07-28			8120	840.0 - 2373.5	2755.2 - 7785.1	4	Sinclair Unit No. 2 HZNTL
05-07-07-28			8120	840.0 - 2373.5	2755.2 - 7785.1	4	Sinclair Unit No. 2 HZNTL
05-07-07-28			8120	1150.0 - 2378.0	3772.0 - 7799.8	3	Sinclair Unit No. 2 HZNTL
05-27-11-26			8188	505.0 - 1755.0	1656.4 - 5756.4	6	North Virden Scallion Unit No. 1 HZNTL
02-28-01-26			8385	480.0 - 1001.0	1574.4 - 3283.3	3	Renegade Border Waskada
11-14-01-26			8405	480.0 - 1006.5	1574.4 - 3301.3	3	Renegade et al Waskada Prov.
BT		15-21-01-28	8359	925.0 - 1696.0	3034.0 - 5562.9	3	618555 Pierson HZNTL
		16-14-08-29	8381	800.0 - 2312.0	2624.0 - 7583.4	4	Sinclair Unit No. 7 Prov. HZNTL
		01-12-09-29	7692	780.0 - 2280.0	2558.4 - 7478.4	4	Tundra Daly Sinclair HZNTL
CT		05-02-01-26	8386	475.0 - 1028.0	1558.0 - 3371.8	3	Renegade et al Waskada Prov.
		13-34-11-26	8190	505.0 - 1767.4	1656.4 - 5797.1	6	North Virden Scallion Unit No. 1 HZNTL
		13-34-11-26	8190	505.0 - 1767.4	1656.4 - 5797.1	6	North Virden Scallion Unit No. 1 HZNTL
224	AT	13-23-11-26	8358	745.0 - 1784.0	2443.6 - 5851.5	6	North Virden Scallion Unit No. 1 HZNTL
		01-10-04-22	8161	700.0 - 2205.0	2296.0 - 7232.4	9	Tundra Regent HZNTL
		01-10-04-22	8161	700.0 - 2205.0	2296.0 - 7232.4	9	Tundra Regent HZNTL
		01-10-04-22	8161	700.0 - 2205.0	2296.0 - 7232.4	9	Tundra Regent HZNTL
	BT	09-21-07-28	8154	820.0 - 2467.0	2689.6 - 8091.8	4	Tundra Daly Sinclair HZNTL
		09-04-02-26	7956	790.0 - 1792.0	2591.2 - 5877.8	3	Waskada Unit No. 15 HZNTL
		04-35-10-29	8127	740.0 - 2323.0	2427.2 - 7619.4	7	Black Gold Daly Sinclair HZNTL
	CT	A09-04-02-26	7957	790.0 - 1780.0	2591.2 - 5838.4	3	Waskada Unit No. 15 HZNTL
		12-04-02-26	8355	790.0 - 1856.0	2591.2 - 6087.7	3	Waskada Unit No. 15 HZNTL
		11-02-08-28	8377	790.0 - 2384.0	2591.2 - 7819.5	4	Tundra Daly Sinclair Prov. HZNTL
		A12-04-02-26	8393	790.0 - 1863.0	2591.2 - 6110.6	3	Waskada Unit No. 15 HZNTL
		A08-08-07-28	8130	835.0 - 2505.0	2738.8 - 8216.4	4	Sinclair Unit No. 2 HZNTL
	227	A1	07-35-06-28	1826	430.0 - 883.9	1410.4 - 2899.3	4
02-17-06-28			518	510.0 - 1010.0	1672.8 - 3312.8	1	Souris Valley Stoney Creek
06-26-07-26			1429	500.0 - 2350.0	1640.0 - 7708.0	3	Marigold Bellview
A10		12-17-07-23	2098	340.0 - 2030.0	1115.2 - 6658.4	3	Texaco Deleau

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
227	A10	04-26-07-23	2034	450.0 - 2070.0	1476.0 - 6789.6	3	N.D. Calstan et al Denbow
	A11	14-31-07-23	2018	310.0 - 1970.0	1016.8 - 6461.6	3	Chevron Deleau
		04-26-07-23	2034	450.0 - 2070.0	1476.0 - 6789.6	3	N.D. Calstan et al Denbow
	A12	13-29-07-27	1467	.0 - 859.5	.0 - 2819.3	5	Linklater
		14-31-07-23	2018	310.0 - 1970.0	1016.8 - 6461.6	3	Chevron Deleau
	A2	07-08-06-29	2143	304.8 - 983.0	999.7 - 3224.2	4	KCL et al North Tilston
		07-35-06-28	1826	430.0 - 883.9	1410.4 - 2899.3	4	Kissinginger et al Reston
	A3	07-15-06-29	485	900.0 - 1072.9	2952.0 - 3519.1	5	Dome Harris Cox North Tilston
		07-08-06-29	2143	304.8 - 983.0	999.7 - 3224.2	4	KCL et al North Tilston
	A4	13-17-06-29	1978	426.7 - 946.4	1399.6 - 3104.2	3	Homestead et al Tilston
		07-15-06-29	485	900.0 - 1072.9	2952.0 - 3519.1	5	Dome Harris Cox North Tilston
	A5	13-17-06-29	1978	426.7 - 946.4	1399.6 - 3104.2	3	Homestead et al Tilston
		10-36-06-29	2147	800.0 - 935.7	2624.0 - 3069.2	4	Hamoil Sinclair Prov.
	A6	10-36-06-29	2147	800.0 - 935.7	2624.0 - 3069.2	4	Hamoil Sinclair Prov.
	A7	01-12-07-02	2513	.0 - 1058.0	.0 - 3470.3	2	ASM-BTO et al Osborne Prov.
	A8	10-32-07-24	1875	330.0 - 2270.0	1082.4 - 7445.6	2	Calstan Plum Lake Prov.
	A9	12-17-07-23	2098	340.0 - 2030.0	1115.2 - 6658.4	3	Texaco Deleau
		16-06-07-22	2100	510.0 - 2080.0	1672.8 - 6822.4	3	Sun Souris Prov.
	AT	A10-17-01-25	7337	930.0 - 1697.0	3050.4 - 5566.2	2	EOG Waskada HZNTL
		13-03-02-26	7867	790.0 - 1661.0	2591.2 - 5448.1	3	Waskada Unit No. 15 HZNTL
		A16-03-02-26	7870	790.0 - 1636.0	2591.2 - 5366.1	3	Waskada Unit No. 15 HZNTL
		B13-03-02-26	7954	790.0 - 1690.0	2591.2 - 5543.2	3	Waskada Unit No. 15 HZNTL
		12-03-02-26	7865	800.0 - 1971.0	2624.0 - 6464.9	2	Waskada Unit No. 15 HZNTL
		A13-03-02-26	7868	790.0 - 1609.0	2591.2 - 5277.5	3	Waskada Unit No. 15 HZNTL
	B1	07-20-07-28	161	450.0 - 864.1	1476.0 - 2834.3	5	Calstan Linklater Prov.
		13-29-07-27	1467	.0 - 859.5	.0 - 2819.3	5	Linklater
	B10	SW-33-08-16	2397	.0 - 860.0	.0 - 2820.8	2	Pel-Tex C.H. No. 7
	SW-03-08-17	2386	.0 - 1000.0	.0 - 3280.0	2	Pel-Tex C.H. No. 1	
	SW-34-08-16	2398	.0 - 860.0	.0 - 2820.8	2	Pel-Tex C.H. No. 8	
B11	10-09-08-24	2106	500.0 - 2152.0	1640.0 - 7058.6	3	Kewanee Oak Lake Prov.	
	SW-03-08-17	2386	.0 - 1000.0	.0 - 3280.0	2	Pel-Tex C.H. No. 1	
B12	05-27-08-24	2061	460.0 - 1985.0	1508.8 - 6510.8	4	Paradise South Algar	
	03-14-08-24	1983	1000.0 - 2000.0	3280.0 - 6560.0	2	Paradise Masson Deleau	
B2	07-20-07-28	161	450.0 - 864.1	1476.0 - 2834.3	5	Calstan Linklater Prov.	
B3	04-22-07-28	439	121.9 - 920.5	399.9 - 3019.2	6	J.P. Owen - Nash	
	07-20-07-28	161	450.0 - 864.1	1476.0 - 2834.3	5	Calstan Linklater Prov.	
B4	04-22-07-28	439	121.9 - 920.5	399.9 - 3019.2	6	J.P. Owen - Nash	
	03-29-07-28	210	350.0 - 813.8	1148.0 - 2669.3	4	Homestead British Empire Linklater	
B5	03-29-07-28	210	350.0 - 813.8	1148.0 - 2669.3	4	Homestead British Empire Linklater	
B6	03-29-07-28	210	350.0 - 813.8	1148.0 - 2669.3	4	Homestead British Empire Linklater	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
227	B6	02-19-07-29	1980	335.3 - 917.5	1099.7 - 3009.2	3	Homestead et al W. Sinclair
	B7	SW-06-08-16	2387	.0 - 880.0	.0 - 2886.4	2	Pel-Tex C.H. No. 2
		02-19-07-29	1980	335.3 - 917.5	1099.7 - 3009.2	3	Homestead et al W. Sinclair
		SW-03-08-16	2388	.0 - 850.0	.0 - 2788.0	2	Pel-Tex C.H. No. 3
	B8	SW-06-08-16	2387	.0 - 880.0	.0 - 2886.4	2	Pel-Tex C.H. No. 2
		SW-20-08-16	2394	.0 - 860.0	.0 - 2820.8	2	Pel-Tex C.H. No. 4 SW
		SW-25-08-16	2404	.0 - 860.0	.0 - 2820.8	2	Pel-Tex C.H. No.10
		SW-03-08-16	2388	.0 - 850.0	.0 - 2788.0	2	Pel-Tex C.H. No. 3
	B9	SW-25-08-16	2404	.0 - 860.0	.0 - 2820.8	2	Pel-Tex C.H. No.10
		SW-33-08-16	2397	.0 - 860.0	.0 - 2820.8	2	Pel-Tex C.H. No. 7
		SW-26-08-16	2403	.0 - 880.0	.0 - 2886.4	2	Pel-Tex C.H. No. 9
	BT	A12-03-02-26	7866	800.0 - 1926.5	2624.0 - 6318.9	3	Waskada Unit No. 15 HZNTL
		04-03-02-26	8053	790.0 - 2154.0	2591.2 - 7065.1	4	Waskada Unit No. 15 HZNTL
		A04-03-02-26	8054	790.0 - 2189.6	2591.2 - 7181.9	4	Waskada Unit No. 15 HZNTL
		01-10-01-24	7730	850.0 - 1876.0	2788.0 - 6153.3	3	ARC Waskada HZNTL
		16-03-02-26	7869	790.0 - 1665.0	2591.2 - 5461.2	3	Waskada Unit No. 15 HZNTL
	C1	04-29-08-24	1927	600.0 - 2115.0	1968.0 - 6937.2	3	North American Oak Lake
		11-16-08-25	1480	.0 - 2405.0	.0 - 7888.4	4	West Oak Lake
	C10	SW-16-09-16	2409	.0 - 900.0	.0 - 2952.0	2	Pel-Tex C.H. No. 12 SW
		SW-08-09-16	2405	.0 - 880.0	.0 - 2886.4	2	Pel-Tex C.H. No. 11
	C11	SW-25-09-20	2399	.0 - 1000.0	.0 - 3280.0	2	Scurry WECO Freehold C.H. No.1
		SW-26-09-20	2424	.0 - 990.0	.0 - 3247.2	2	Scurry WECO Freehold C.H.
	C12	NE-26-09-20	2426	.0 - 990.0	.0 - 3247.2	2	Scurry WECO Freehold C.H.
		04-17-09-24	546	100.0 - 2100.0	328.0 - 6888.0	4	Dome Harris Cox North Oak Lake 4-17
	C2	16-01-08-26	548	1410.0 - 2450.0	4624.8 - 8036.0	2	Dome Harris Cox Belleview
		11-16-08-25	1480	.0 - 2405.0	.0 - 7888.4	4	West Oak Lake
	C3	14-19-08-26	226	.0 - 847.3	.0 - 2779.3	6	Royalite Triad et al Scarth No. 1
		16-01-08-26	548	1410.0 - 2450.0	4624.8 - 8036.0	2	Dome Harris Cox Belleview
	C4	14-19-08-26	226	.0 - 847.3	.0 - 2779.3	6	Royalite Triad et al Scarth No. 1
		10-25-08-26	1216	20.0 - 2220.0	65.6 - 7281.6	3	Calstan Northeast Agnew Prov.
	C5	10-25-08-26	1216	20.0 - 2220.0	65.6 - 7281.6	3	Calstan Northeast Agnew Prov.
		13-03-08-28	2193	800.0 - 853.4	2624.0 - 2799.3	4	Pennant et al Ewart
	C6	05-29-08-28	1562	410.0 - 802.5	1344.8 - 2632.3	4	Beckwith South Cromer Prov.
		13-03-08-28	2193	800.0 - 853.4	2624.0 - 2799.3	4	Pennant et al Ewart
	C7	01-06-08-29	2069	457.2 - 983.9	1499.6 - 3227.2	4	Socony Mobil N. Jackson Creek Prov.
		05-29-08-28	1562	410.0 - 802.5	1344.8 - 2632.3	4	Beckwith South Cromer Prov.
	C8	01-06-08-29	2069	457.2 - 983.9	1499.6 - 3227.2	4	Socony Mobil N. Jackson Creek Prov.
		NE-30-09-14	2355	50.0 - 670.0	164.0 - 2197.6	2	S.T.H. No. 10 (Kerr-McGee)
	C9	SW-04-09-16	2396	.0 - 880.0	.0 - 2886.4	2	Pel-Tex C.H. No. 6
		SW-05-09-16	2416	.0 - 890.0	.0 - 2919.2	2	Pel-Tex C.H. No. 5a



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227	CT	04-08-01-25	8155	945.0 - 1672.0	3099.6 - 5484.2	2	EOG Waskada HZNTL
		B01-13-09-28	8205	960.0 - 2343.0	3148.8 - 7685.0	6	Magellan et al Daly Sinclair HZNTL
		A16-03-02-26	7960	790.0 - 1043.0	2591.2 - 3421.0	2	Waskada Unit No. 15 SWD
		01-16-01-25	7735	915.0 - 1922.0	3001.2 - 6304.2	3	EOG Waskada HZNTL
		07-06-01-24	7768	900.0 - 1666.0	2952.0 - 5464.5	2	EOG Waskada HZNTL
		14-16-01-25	7570	945.0 - 1770.0	3099.6 - 5805.6	2	Waskada Unit No. 18 Prov. HZNTL
228	A1	04-17-09-24	546	2110.0 - 2190.0	6920.8 - 7183.2	1	Dome Harris Cox North Oak Lake 4-17
		05-04-09-28	2461	399.3 - 823.0	1309.7 - 2699.3	3	Garvey Scurry S. Cromer Prov.
		05-17-09-26	1156	800.0 - 2370.0	2624.0 - 7773.6	3	Basco Scarth
	A10	01-35-09-27	2037	400.0 - 2395.0	1312.0 - 7855.6	4	Paradise West Maples
	A11	09-09-09-28	2381	500.0 - 807.7	1640.0 - 2649.3	4	Scurry Garvey Cromer
	A12	13-10-09-28	2372	860.0 - 2490.0	2820.8 - 8167.2	4	Scurry Garvey Cromer Prov.
		11-10-09-28	2365	450.0 - 2580.0	1476.0 - 8462.4	4	Scurry Garvey Cromer Prov.
	A2	14-22-09-26	2028	350.0 - 2205.0	1148.0 - 7232.4	4	Paradise South Maples
	A3	05-23-09-26	2222	600.0 - 1900.0	1968.0 - 6232.0	3	Fargo South Maples
		10-26-09-26	1457	220.0 - 2120.0	721.6 - 6953.6	3	Peacock South Maples
	A4	10-26-09-26	1457	220.0 - 2120.0	721.6 - 6953.6	3	Peacock South Maples
		16-26-09-26	1638	510.0 - 2125.0	1672.8 - 6970.0	2	Peacock South Maples
	A5	10-33-09-26	2448	315.0 - 2240.0	1033.2 - 7347.2	4	Tri-West Summit S. Virden
		14-29-09-26	1442	900.0 - 2356.0	2952.0 - 7727.7	3	Marigold Maples
	A6	09-35-09-26	887	1000.0 - 2080.0	3280.0 - 6822.4	2	McCarty & Coleman 9-35 Laing
		10-33-09-26	2448	315.0 - 2240.0	1033.2 - 7347.2	4	Tri-West Summit S. Virden
	A7	09-35-09-26	887	1000.0 - 2080.0	3280.0 - 6822.4	2	McCarty & Coleman 9-35 Laing
		13-11-09-27	1484	510.0 - 838.2	1672.8 - 2749.3	5	Peacock Woodnorth No 1
	A8	13-11-09-27	1484	510.0 - 838.2	1672.8 - 2749.3	5	Peacock Woodnorth No 1
		04-21-09-27	2116	410.0 - 2545.0	1344.8 - 8347.6	4	McKenzie North Woodnorth
	A9	01-35-09-27	2037	400.0 - 2395.0	1312.0 - 7855.6	4	Paradise West Maples
		04-21-09-27	2116	410.0 - 2545.0	1344.8 - 8347.6	4	McKenzie North Woodnorth
	AT	14-03-09-28	8231	650.0 - 2420.0	2132.0 - 7937.6	5	Petrobakken Daly Sinclair HZNTL
		13-03-09-28	8230	650.0 - 2430.0	2132.0 - 7970.4	5	Petrobakken Daly Sinclair HZNTL
		A01-25-01-28	8212	740.0 - 2251.0	2427.2 - 7383.3	4	Legacy Pierson HZNTL
		13-19-01-28	8138	950.0 - 2428.0	3116.0 - 7963.8	3	Legacy Pierson HZNTL
B1	07-18-09-28	2455	410.0 - 801.6	1344.8 - 2629.3	4	Scurry Garvey S. Ebor	
	13-10-09-28	2372	860.0 - 2490.0	2820.8 - 8167.2	4	Scurry Garvey Cromer Prov.	
B10	09-10-10-19	2	100.0 - 840.0	328.0 - 2755.2	2	Coutts Brandon	
	14-15-09-28	617	2320.0 - 2490.0	7609.6 - 8167.2	1	Souris Valley Rutledge Goulter	
B11	09-35-10-20	2420	310.0 - 1000.0	1016.8 - 3280.0	2	ARCO Kemnay S.T.H. No. 7	
	14-16-10-19	1573	345.0 - 1455.0	1131.6 - 4772.4	2	G.W.D. Brandon	
B12	SW-27-10-21	2425	.0 - 1110.0	.0 - 3640.8	2	Scurry WECO Freehold C.H.	
	NE-33-10-22	2427	10.0 - 960.0	32.8 - 3148.8	2	Scurry WECO Freehold C.H.	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
228	B2	07-18-09-28	2455	410.0 - 801.6	1344.8 - 2629.3	4	Scurry Garvey S. Ebor
		03-02-09-29	1454	510.0 - 823.0	1672.8 - 2699.3	4	Peacock Explorations-Ebor No. 1
	B3	03-02-09-29	1454	510.0 - 823.0	1672.8 - 2699.3	4	Peacock Explorations-Ebor No. 1
		13-09-09-29	700	350.0 - 804.7	1148.0 - 2639.3	4	Dome et al West Ebor
	B4	13-09-09-29	700	350.0 - 804.7	1148.0 - 2639.3	4	Dome et al West Ebor
		01-13-09-29	1977	30.0 - 856.5	98.4 - 2809.3	3	Garvey Ebor
	B5	01-13-09-29	1977	30.0 - 856.5	98.4 - 2809.3	3	Garvey Ebor
		12-21-09-29	1552	410.0 - 853.4	1344.8 - 2799.3	4	Beckwith West Ebor
	B6	02-12-10-09	2515	10.0 - 1990.0	32.8 - 6527.2	4	ASM-BTO et al Sioux Prov.
		12-21-09-29	1552	410.0 - 853.4	1344.8 - 2799.3	4	Beckwith West Ebor
	B7	02-12-10-09	2515	10.0 - 1990.0	32.8 - 6527.2	4	ASM-BTO et al Sioux Prov.
		08-21-03-29	1868	480.0 - 1050.0	1574.4 - 3444.0	1	CDR Imp. N. Pierson
	B9	03-33-08-27	409	496.8 - 873.3	1629.6 - 2864.3	2	B.A. Cdn. Sup. Woodnorth
	BT	14-22-01-25	7914	970.0 - 1789.0	3181.6 - 5867.9	3	Penn West Waskada HZNTL
		B14-09-01-25	8259	945.0 - 1734.0	3099.6 - 5687.5	2	EOG Waskada HZNTL
		B01-32-01-25	8228	940.0 - 1830.0	3083.2 - 6002.4	3	Waskada Unit No. 14 HZNTL
		B10-09-01-25	8253	935.0 - 1761.0	3066.8 - 5776.1	2	EOG Waskada HZNTL
		11-09-01-25	8254	925.0 - 1704.0	3034.0 - 5589.1	2	EOG Waskada HZNTL
		A14-09-01-25	8258	920.0 - 1706.0	3017.6 - 5595.7	2	EOG Waskada HZNTL
		A10-09-01-25	8252	930.0 - 1723.0	3050.4 - 5651.4	2	EOG Waskada HZNTL
		14-09-01-25	8257	935.0 - 1743.0	3066.8 - 5717.0	2	EOG Waskada HZNTL
	C1	SW-36-10-22	2436	.0 - 990.0	.0 - 3247.2	2	Scurry WECO Freehold C.H.
C10	SW-04-11-16	2349	.0 - 890.0	.0 - 2919.2	2	S.T.H. No. 2 (Kerr-McGee)	
	15-12-10-29	711	.0 - 851.9	.0 - 2794.3	4	Dome et al North Butler	
C11	SW-04-11-16	2349	.0 - 890.0	.0 - 2919.2	2	S.T.H. No. 2 (Kerr-McGee)	
	SW-03-11-21	2429	.0 - 1000.0	.0 - 3280.0	2	Scurry WECO Freehold C.H.	
	16-17-11-20	2414	10.0 - 850.0	32.8 - 2788.0	2	ARCO Kemnay S.T.H. No. 7	
C12	SW-13-11-22	2402	.0 - 870.0	.0 - 2853.6	2	Scurry WECO Freehold C.G. No.4	
	NE-02-11-22	2430	10.0 - 900.0	32.8 - 2952.0	2	Scurry WECO Freehold C.H.	
	SW-03-11-21	2429	.0 - 1000.0	.0 - 3280.0	2	Scurry WECO Freehold C.H.	
C2	12-25-10-27	441	345.0 - 2215.0	1131.6 - 7265.2	4	Hallis Virden	
	04-19-10-27	205	1500.0 - 2240.0	4920.0 - 7347.2	2	New Concord Development Gardiner No. 4	
C3	04-07-10-28	2269	500.0 - 813.8	1640.0 - 2669.3	4	Apache Bralorne West Daly	
	09-36-10-27	1974	400.0 - 850.0	1312.0 - 2788.0	1	Milestone West Virden	
	12-25-10-27	441	345.0 - 2215.0	1131.6 - 7265.2	4	Hallis Virden	
C4	14-19-10-28	1832	200.0 - 2320.0	656.0 - 7609.6	4	Centoba West Daly	
	04-07-10-28	2269	500.0 - 813.8	1640.0 - 2669.3	4	Apache Bralorne West Daly	
C5	14-19-10-28	1832	200.0 - 2320.0	656.0 - 7609.6	4	Centoba West Daly	
	08-22-10-28	2079	1600.0 - 2595.0	5248.0 - 8511.6	2	Garvey Ferguson North Daly	
C6	13-27-10-28	2390	320.0 - 2600.0	1049.6 - 8528.0	4	Murphy North Daly	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
228	C6	08-22-10-28	2079	1600.0 - 2595.0	5248.0 - 8511.6	2	Garvey Ferguson North Daly
	C7	02-31-10-28	344	390.0 - 2430.0	1279.2 - 7970.4	5	Sweet Grass North Daly
		13-27-10-28	2390	320.0 - 2600.0	1049.6 - 8528.0	4	Murphy North Daly
	C8	04-31-10-28	438	350.0 - 813.8	1148.0 - 2669.3	3	Madison
		02-31-10-28	344	390.0 - 2430.0	1279.2 - 7970.4	5	Sweet Grass North Daly
	C9	04-31-10-28	438	350.0 - 813.8	1148.0 - 2669.3	3	Madison
		15-12-10-29	711	.0 - 851.9	.0 - 2794.3	4	Dome et al North Butler
		01-09-10-29	1550	548.6 - 798.6	1799.5 - 2619.3	2	Beckwith North Butler
	CT	08-10-12-28	8110	610.0 - 2266.0	2000.8 - 7432.5	3	Reliable Elkhorn HZNTL
		08-10-12-28	8110	610.0 - 2266.0	2000.8 - 7432.5	3	Reliable Elkhorn HZNTL
		08-10-12-28	8110	620.0 - 805.0	2033.6 - 2640.4	1	Reliable Elkhorn HZNTL
		15-09-01-25	8260	915.0 - 1723.0	3001.2 - 5651.4	2	EOG Waskada HZNTL
		A15-09-01-25	8261	925.0 - 1734.0	3034.0 - 5687.5	2	EOG Waskada HZNTL
		10-09-01-25	8251	935.0 - 1747.0	3066.8 - 5730.2	2	EOG Waskada HZNTL
		05-06-01-24	8218	900.0 - 1675.0	2952.0 - 5494.0	2	EOG Waskada HZNTL
		08-10-12-28	8110	620.0 - 805.0	2033.6 - 2640.4	1	Reliable Elkhorn HZNTL
B15-09-01-25	8262	955.0 - 1743.0	3132.4 - 5717.0	3	EOG Waskada HZNTL		
229	A1	12-09-12-29	2085	400.0 - 2395.0	1312.0 - 7855.6	4	Orean West Kirkella
		01-31-06-22	545	290.0 - 2450.0	951.2 - 8036.0	4	McCarty and Coleman Forbes 1-31
	A2	15-25-03-25	1835	426.7 - 859.5	1399.6 - 2819.3	2	Barron Kidd Sambrook Medora
	A3	16-20-07-21	557	250.0 - 2180.0	820.0 - 7150.4	4	McCarty and Coleman Janz
		16-03-06-21	570	240.0 - 2430.0	787.2 - 7970.4	4	McCarty and Coleman Moffatt 16-3
	A4	06-18-11-27	1147	10.0 - 805.9	32.8 - 2643.3	5	West Cdn Mill City Hargrave
		07-16-11-27	688	300.0 - 2300.0	984.0 - 7544.0	3	Hallis West Hargrave
	A5	02-21-11-27	215	850.0 - 2070.0	2788.0 - 6789.6	3	Baysel Calstan Hargrave
		06-18-11-27	1147	10.0 - 805.9	32.8 - 2643.3	5	West Cdn Mill City Hargrave
	A6	09-05-11-28	566	350.0 - 846.1	1148.0 - 2775.3	5	Sapphire North West Daly No. 1
		01-25-11-27	1582	910.0 - 2070.0	2984.8 - 6789.6	2	Trans Empire West Scallion
		01-32-11-27	1374	1530.0 - 2180.0	5018.4 - 7150.4	1	West Cdn Hargrave
		11-02-11-28	549	780.0 - 839.7	2558.4 - 2754.3	3	Sapphire North Daly No. 1
	AT	01-03-09-28	7833	720.0 - 2344.0	2361.6 - 7688.3	4	Tundra Daly Sinclair HZNTL
		05-10-09-28	7847	715.0 - 1528.0	2345.2 - 5011.8	3	Tundra Daly Sinclair HZNTL
		03-01-09-28	7851	720.0 - 2340.0	2361.6 - 7675.2	4	Tundra Daly Sinclair Prov. HZNTL
		01-36-08-28	7877	720.0 - 2341.0	2361.6 - 7678.5	4	Tundra Daly Sinclair Prov. HZNTL
	B1	02-30-02-26	2481	3.1 - 1531.6	10.0 - 5023.7	11	LL & E Melita Prov.
	B2	02-30-02-26	2481	3.1 - 1531.6	10.0 - 5023.7	11	LL & E Melita Prov.
		10-17-08-17	1532	570.0 - 938.8	1869.6 - 3079.2	5	Cdn-Sup Rounthwaite
B3	05-03-04-25	1876	370.0 - 1784.0	1213.6 - 5851.5	16	Calstan South Napinka	
	13-13-05-27	1839	121.9 - 888.5	399.9 - 2914.2	4	B.A. Tweed Bede	
B4	14-23-12-23	2418	310.0 - 1270.0	1016.8 - 4165.6	2	ARCO Harding S.T.H. No. 1	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
229	B4	04-08-12-23	2413	110.0 - 1160.0	360.8 - 3804.8	2	ARCO Harding S.T.H. No. 1
		10-28-12-23	2457	1150.0 - 1237.5	3772.0 - 4059.0	7	H.O. & M. Cabot Kenton Prov.
	B5	15-21-12-26	1837	700.0 - 2100.0	2296.0 - 6888.0	3	Centoba Two Creeks
		10-28-12-23	2457	1150.0 - 1237.5	3772.0 - 4059.0	7	H.O. & M. Cabot Kenton Prov.
	B6	12-14-12-27	2518	380.0 - 2210.0	1246.4 - 7248.8	4	Berry Miller Two Creeks Prov.
		13-17-13-14	2516	290.0 - 838.2	951.2 - 2749.3	5	ASM-BTO et al Whitemud Prov.
		07-09-12-28	1477	1000.0 - 2120.0	3280.0 - 6953.6	2	Peacock - Elkhorn Barbara No. 1
	BT	16-36-09-28	7934	690.0 - 2216.0	2263.2 - 7268.5	4	Tundra Daly Sinclair HZNTL
		16-36-09-28	7934	690.0 - 2216.0	2263.2 - 7268.5	4	Tundra Daly Sinclair HZNTL
		16-36-09-28	7934	140.0 - 899.0	459.2 - 2948.7	4	Tundra Daly Sinclair HZNTL
		07-21-01-24	7808	875.0 - 2186.0	2870.0 - 7170.1	3	Penn West Waskada HZNTL
		09-14-08-28	7660	760.0 - 2351.4	2492.8 - 7712.6	4	Tundra Daly Sinclair Prov. HZNTL
		16-36-09-28	7934	140.0 - 899.0	459.2 - 2948.7	4	Tundra Daly Sinclair HZNTL
	C1	05-03-04-25	1876	370.0 - 1784.0	1213.6 - 5851.5	16	Calstan South Napinka
	C2	05-03-04-25	1876	370.0 - 1784.0	1213.6 - 5851.5	16	Calstan South Napinka
		08-15-01-29	458	300.0 - 1158.2	984.0 - 3799.0	8	Poplar Gas Ex Admiral Antler No. 1
	C3	03-04-01-28	1914	1036.3 - 1071.7	3399.1 - 3515.1	1	Clyde G. Kissinger Almx-Lbty Lyleton
		05-34-01-29	975	400.0 - 1205.5	1312.0 - 3954.0	5	Cleary Souris Valley White
		08-15-01-29	458	300.0 - 1158.2	984.0 - 3799.0	8	Poplar Gas Ex Admiral Antler No. 1
	C4	13-13-18-21	2501	310.0 - 1143.0	1016.8 - 3749.0	6	Asamara et al Sandy Lake Prov.
		15-31-17-17	2509	.0 - 1072.9	.0 - 3519.1	5	Asamera et al Otter Lake Prov.
	C5	13-13-18-21	2501	310.0 - 1143.0	1016.8 - 3749.0	6	Asamara et al Sandy Lake Prov.
		02-17-18-22	2502	.0 - 1172.9	.0 - 3847.0	7	Asamara et al Menzie Prov.
C6	05-19-19-23	2503	12.0 - 887.0	39.4 - 2909.3	5	Asamara et al Vista Prov.	
	04-17-16-24	2441	700.0 - 2200.0	2296.0 - 7216.0	2	Apache et al Lavina	
	02-17-18-22	2502	.0 - 1172.9	.0 - 3847.0	7	Asamara et al Menzie Prov.	
CT	A09-15-01-25	7733	850.0 - 1640.0	2788.0 - 5379.2	3	EOG Waskada HZNTL	
	B07-17-01-25	7334	850.0 - 1602.0	2788.0 - 5254.6	3	EOG Waskada HZNTL	
	B09-15-01-25	7734	850.0 - 1664.0	2788.0 - 5457.9	3	EOG Waskada HZNTL	
	A07-17-01-25	7302	850.0 - 1715.0	2788.0 - 5625.2	3	EOG Waskada HZNTL	
	07-17-01-25	7301	850.0 - 1657.0	2788.0 - 5435.0	3	EOG Waskada HZNTL	
230	BT	08-08-09-29	7886	825.0 - 2350.0	2706.0 - 7708.0	4	Tundra Daly Sinclair HZNTL
	A1	15-22-22-27	2504	.0 - 1240.5	.0 - 4069.0	7	Asamara et al Inglis Prov.
		04-22-20-25	3	155.0 - 1588.0	508.4 - 5208.6	2	Waywaysecopow Cleland Birdtail
		04-22-20-25	3	410.0 - 1570.0	1344.8 - 5149.6	2	Waywaysecopow Cleland Birdtail
	A2	11-21-16-24	2446	1880.0 - 2190.0	6166.4 - 7183.2	1	Apache et al Kelloe
		15-22-22-27	2504	.0 - 1240.5	.0 - 4069.0	7	Asamara et al Inglis Prov.
		04-30-27-20	2507	12.0 - 2005.0	39.4 - 6576.4	4	Asamera et al Sifton Prov.
	A3	04-33-23-16	2474	20.0 - 440.0	65.6 - 1443.2	1	Shell Dauphin Prov. STH
		01-24-25-21	2508	.0 - 2250.0	.0 - 7380.0	4	Asamara et al Ashville Prov.
		04-30-27-20	2507	12.0 - 2005.0	39.4 - 6576.4	4	Asamera et al Sifton Prov.

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
230	A4	14-17-03-01	2512	20.0 - 570.0	65.6 - 1869.6	1	ASM-BTO et al Plum Prov.
	A5	02-16-11-10	2245	1900.0 - 2090.0	6232.0 - 6855.2	1	K.R. Canso East Pierson
		11-03-39-29	2451	10.0 - 1740.0	32.8 - 5707.2	3	BPL et al Whitefish Prov.
		01-20-05-27	1838	128.0 - 914.4	419.9 - 2999.2	5	B.A. Gervin Broomhill
	A6	03-03-16-27	1650	1020.0 - 1790.0	3345.6 - 5871.2	2	Paradise Birdtail
		01-20-05-27	1838	128.0 - 914.4	419.9 - 2999.2	5	B.A. Gervin Broomhill
		11-08-45-25	2442	.0 - 1122.0	.0 - 3680.2	2	Husky Mafeking Prov. (STH)
	AT	09-15-01-25	7732	850.0 - 1657.0	2788.0 - 5435.0	3	EOG Waskada HZNTL
		02-17-01-25	7297	850.0 - 1651.0	2788.0 - 5415.3	3	EOG Waskada HZNTL
		10-17-01-25	7335	850.0 - 1590.0	2788.0 - 5215.2	2	EOG Waskada HZNTL
		A15-17-01-25	7338	850.0 - 1655.0	2788.0 - 5428.4	3	EOG Waskada HZNTL
		B15-17-01-25	7339	850.0 - 1662.0	2788.0 - 5451.4	3	EOG Waskada HZNTL
	B1	15-29-15-28	232	1630.0 - 1995.0	5346.4 - 6543.6	2	Calstan Treat Prov.
		01-16-09-28	2374	500.0 - 804.7	1640.0 - 2639.3	4	Scurry Garvey Cromer
		14-12-12-29	524	.0 - 1530.0	.0 - 5018.4	3	Sapphire Kirkella
	B2	11-13-01-28	973	350.0 - 1359.4	1148.0 - 4458.9	7	Cleary Souris Valley Tingey
		01-16-09-28	2374	500.0 - 804.7	1640.0 - 2639.3	4	Scurry Garvey Cromer
	B3	10-36-06-29	2147	938.8 - 944.9	3079.2 - 3099.2	1	Hamoil Sinclair Prov.
		04A-28-25-26	2510	.0 - 1059.2	.0 - 3474.1	6	Asamera et al Gilbert Lake Prov.
	B5	14-15-09-18	1641	390.0 - 1553.0	1279.2 - 5093.8	2	Cities Service Brandt
	B6	15-29-01-28	2447	106.7 - 914.4	349.9 - 2999.2	5	Tri-West Summit Lyleton Prov.
		10-36-02-26	2482	10.0 - 914.4	32.8 - 2999.2	7	LL & E Dalny
	BT	05-07-09-29	7967	825.0 - 2480.0	2706.0 - 8134.4	4	Ebor Unit No. 3 HZNTL
C1	01-03-01-28	1771	.0 - 1056.1	.0 - 3464.1	6	Champlin Lyleton	
C2	15-29-01-28	2447	106.7 - 914.4	349.9 - 2999.2	5	Tri-West Summit Lyleton Prov.	
CT	15-06-02-29	7807	900.0 - 1776.0	2952.0 - 5825.3	4	CNRL Pierson HZNTL	
	04-19-02-29	7849	975.0 - 1887.0	3198.0 - 6189.4	4	South Pierson Unit No. 2 HZNTL	
	13-05-02-29	7775	900.0 - 1734.0	2952.0 - 5687.5	4	CNRL Pierson HZNTL	
	03-20-02-29	7850	930.0 - 2202.0	3050.4 - 7222.6	4	South Pierson Unit No. 2 HZNTL	
231	A8	16-08-01-25	2108	10.0 - 330.0	32.8 - 1082.4	1	DeKalb IOE Waskada
	AT	09-29-10-28	7894	720.0 - 2336.0	2361.6 - 7662.1	4	Tundra Daly Sinclair Prov. HZNTL
		16-25-10-29	7907	750.0 - 2370.0	2460.0 - 7773.6	4	Tundra Daly Sinclair HZNTL
		16-29-10-28	7854	725.0 - 2339.0	2378.0 - 7671.9	4	Tundra Daly Sinclair Prov. HZNTL
		08-32-10-28	7829	740.0 - 2233.0	2427.2 - 7324.2	4	Tundra Daly Sinclair Prov. HZNTL
	B12	15-23-11-25	1712	600.0 - 2190.0	1968.0 - 7183.2	1	Paradise Lenore
	B7	06-36-08-28	865	40.0 - 853.4	131.2 - 2799.3	4	Cleary Schmelz
	B8	10-25-08-26	1216	225.0 - 2535.0	738.0 - 8314.8	1	Calstan Northeast Agnew Prov.
	BT	A13-30-10-28	7878	725.0 - 2164.0	2378.0 - 7097.9	4	Tundra Daly Sinclair Prov. HZNTL
		15-24-10-29	7895	740.0 - 2293.0	2427.2 - 7521.0	4	Tundra Daly Sinclair HZNTL
		13-26-10-29	7910	750.0 - 2220.0	2460.0 - 7281.6	4	Tundra Daly Sinclair HZNTL

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
231	BT	09-03-10-29	7762	780.0 - 2255.0	2558.4 - 7396.4	4	Tundra Daly Sinclair HZNTL
	C5	03-10-03-22	391	888.5 - 954.0	2914.2 - 3129.2	1	J.P. Owen Ellis
		12-16-03-21	312	1550.0 - 2425.0	5084.0 - 7954.0	2	Calstan Whitewater
	CT	04-04-01-24	7817	900.0 - 1660.0	2952.0 - 5444.8	2	ARC Waskada HZNTL
		A06-11-01-24	7731	900.0 - 1890.0	2952.0 - 6199.2	3	Goodlands Unit No. 1 HZNTL
		09-22-11-27	7812	140.0 - 792.0	459.2 - 2597.8	3	Tundra Hargrave Prov. HZNTL
		09-22-11-27	7812	140.0 - 792.0	459.2 - 2597.8	3	Tundra Hargrave Prov. HZNTL
		09-22-11-27	7812	600.0 - 1775.0	1968.0 - 5822.0	3	Tundra Hargrave Prov. HZNTL
		09-22-11-27	7812	600.0 - 1775.0	1968.0 - 5822.0	3	Tundra Hargrave Prov. HZNTL
		A04-10-01-24	7802	850.0 - 1650.0	2788.0 - 5412.0	2	ARC Waskada HZNTL
05-10-01-24		7803	900.0 - 1669.0	2952.0 - 5474.3	2	ARC Waskada HZNTL	
232	A10	04-12-03-29	2698	940.0 - 1015.0	3083.2 - 3329.2	1	Tundra Pierson
		02-35-01-26	2689	425.0 - 965.0	1394.0 - 3165.2	3	Omega Waskada
		01-26-01-26	2691	450.0 - 960.0	1476.0 - 3148.8	3	Omega Waskada
		03-18-12-29	2710	605.0 - 810.0	1984.4 - 2656.8	2	Saskoil West Kirkella Prov.
		01-26-01-26	2691	450.0 - 960.0	1476.0 - 3148.8	3	Omega Waskada
	A11	16-23-01-26	2692	385.0 - 965.0	1262.8 - 3165.2	3	Omega Waskada
		02-35-01-26	2689	425.0 - 965.0	1394.0 - 3165.2	3	Omega Waskada
		12-36-11-27	2630	3.0 - 642.0	9.8 - 2105.7	4	New Scope Resources Limited
	A2	12-02-15-29	460	290.0 - 2210.0	951.2 - 7248.8	4	J.P. Owen McAuley
	A6	07-18-12-29	2737	600.0 - 812.0	1968.0 - 2663.4	2	Saskoil et al W. Kirkella
		01-13-01-26	2714	115.0 - 945.0	377.2 - 3099.6	3	Omega S. Waskada
		02-18-12-29	2738	600.0 - 810.0	1968.0 - 2656.8	2	Saskoil et al W. Kirkella SWD
	A7	04B-20-16-29	2682	905.0 - 965.0	2968.4 - 3165.2	1	IMC McAuley PTH
		12-08-12-29	2677	685.0 - 777.5	2246.8 - 2550.2	2	Rideau W. Kirkella
		12-08-12-29	2677	685.0 - 777.5	2246.8 - 2550.2	2	Rideau W. Kirkella
		01-25-01-26	2673	850.0 - 945.0	2788.0 - 3099.6	2	Omega Waskada
		01-25-01-26	2673	850.0 - 945.0	2788.0 - 3099.6	2	Omega Waskada
		05-35-05-22	2708	125.0 - 710.0	410.0 - 2328.8	3	Clarion et al Underhill
		02-18-12-29	2738	600.0 - 810.0	1968.0 - 2656.8	2	Saskoil et al W. Kirkella SWD
	A8	14-07-12-29	2719	120.0 - 890.0	393.6 - 2919.2	3	Saskoil et al W. Kirkella
11-18-12-29		2671	600.0 - 800.0	1968.0 - 2624.0	1	Saskoil West Kirkella Prov.	
05-35-05-22		2708	125.0 - 710.0	410.0 - 2328.8	3	Clarion et al Underhill	
05-25-01-26		2688	850.0 - 950.0	2788.0 - 3116.0	2	Omega Waskada	
05-25-01-26		2688	850.0 - 950.0	2788.0 - 3116.0	2	Omega Waskada	
A9	04-25-01-26	2686	850.0 - 900.0	2788.0 - 2952.0	1	Omega Waskada	
	04-25-01-26	2686	850.0 - 900.0	2788.0 - 2952.0	1	Omega Waskada	
	03-18-12-29	2710	605.0 - 810.0	1984.4 - 2656.8	2	Saskoil West Kirkella Prov.	
	12-19-12-29	2716	215.0 - 828.0	705.2 - 2715.8	4	Rideau Saskoil W. Kirkella	
	12-19-12-29	2716	215.0 - 828.0	705.2 - 2715.8	4	Rideau Saskoil W. Kirkella	
	05-25-01-26	2688	850.0 - 950.0	2788.0 - 3116.0	2	Omega Waskada	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
232	A9	05-25-01-26	2688	850.0 - 950.0	2788.0 - 3116.0	2	Omega Waskada
		02-25-01-26	2687	850.0 - 955.0	2788.0 - 3132.4	1	Omega Waskada
		02-25-01-26	2687	850.0 - 955.0	2788.0 - 3132.4	1	Omega Waskada
	AT	12-02-03-28	7679	130.0 - 1012.0	426.4 - 3319.4	4	CNRL Pierson
		03-31-01-27	7962	850.0 - 1530.0	2788.0 - 5018.4	2	618555 SK Coulter HZNTL
		14-34-01-28	7966	900.0 - 1670.0	2952.0 - 5477.6	2	618555 SK Pierson HZNTL
		A16-20-01-25	7912	900.0 - 1734.0	2952.0 - 5687.5	3	Waskada Unit No. 7 HZNTL
	B	04-25-11-27	7819	150.0 - 744.0	492.0 - 2440.3	3	Tundra Virden HZNTL
		04-25-11-27	7819	150.0 - 744.0	492.0 - 2440.3	3	Tundra Virden HZNTL
	B1	01-24-01-26	3016	650.0 - 909.0	2132.0 - 2981.5	1	Omega Waskada Prov.
		04-05-11-24	2628	632.0 - 2142.4	2073.0 - 7026.9	1	New Scope East Virden
		12-36-11-27	2630	3.0 - 642.0	9.8 - 2105.7	4	New Scope Resources Limited
	B10	15-29-05-27	1849	400.0 - 906.8	1312.0 - 2974.2	4	B.A. Mclver Broomhill Prov.
	B11	15-05-01-29	971	410.0 - 1251.2	1344.8 - 4103.9	6	Cleary Souris Valley Hallam
	B2	01-30-01-25	1183	1150.0 - 1309.1	3772.0 - 4293.9	8	Imperial California Standard Hernefield
	B3	01-30-01-25	1183	1150.0 - 1309.1	3772.0 - 4293.9	8	Imperial California Standard Hernefield
	B8	11-18-01-29	1305	457.2 - 1152.1	1499.6 - 3779.0	5	Imperial Copley
	B9	11-18-01-29	1305	457.2 - 1152.1	1499.6 - 3779.0	5	Imperial Copley
	BT	05-12-02-29	7830	940.0 - 1744.0	3083.2 - 5720.3	2	CNRL Pierson HZNTL
		16-14-02-29	7696	950.0 - 1892.0	3116.0 - 6205.8	3	Red Beds Pierson HZNTL
		16-14-02-29	7696	950.0 - 1892.0	3116.0 - 6205.8	3	Red Beds Pierson HZNTL
		16-20-01-25	7911	910.0 - 1731.0	2984.8 - 5677.7	3	Waskada Unit No. 7 HZNTL
		11-22-01-25	7913	960.0 - 1836.0	3148.8 - 6022.1	3	Penn West Waskada HZNTL
		06-13-01-24	7945	900.0 - 1677.0	2952.0 - 5500.6	2	Penn West Waskada HZNTL
	C	02-32-16-27	7649	140.0 - 592.0	459.2 - 1941.8	2	Tundra Birdtail Prov.
		02-32-16-27	7649	140.0 - 592.0	459.2 - 1941.8	2	Tundra Birdtail Prov.
		09-03-11-28	7835	730.0 - 2210.0	2394.4 - 7248.8	4	Tundra Elkhorn HZNTL
		06-16-10-28	7946	735.0 - 1543.0	2410.8 - 5061.0	3	Tundra Daly Sinclair Prov. HZNTL
		01-32-10-28	7855	730.0 - 2198.0	2394.4 - 7209.4	4	Tundra Daly Sinclair Prov. HZNTL
	C1	16-16-01-27	486	20.0 - 2084.8	65.6 - 6838.2	15	Great Northern Souris Valley Coulter
C2	16-16-01-27	486	20.0 - 2084.8	65.6 - 6838.2	15	Great Northern Souris Valley Coulter	
C3	16-16-01-27	486	20.0 - 2084.8	65.6 - 6838.2	15	Great Northern Souris Valley Coulter	
C4	04-32-02-14	2235	420.0 - 2080.0	1377.6 - 6822.4	3	Hamoil-Cartwright	
	16-16-01-27	486	20.0 - 2084.8	65.6 - 6838.2	15	Great Northern Souris Valley Coulter	
C5	04-32-02-14	2235	420.0 - 2080.0	1377.6 - 6822.4	3	Hamoil-Cartwright	
	15-20-03-25	2452	534.0 - 1478.3	1751.5 - 4848.8	8	LL & E Canso Coulter	
C6	15-20-03-25	2452	534.0 - 1478.3	1751.5 - 4848.8	8	LL & E Canso Coulter	
233	6C	01-29-08-29	6221	850.0 - 1015.0	2788.0 - 3329.2	1	Tundra Sinclair Prov.
	A	13-24-02-29	6882	750.0 - 1669.0	2460.0 - 5474.3	4	CNRL Pierson HZNTL
		11-23-02-29	7082	935.0 - 1708.0	3066.8 - 5602.2	4	CNRL Pierson HZNTL

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
233	A1	10-06-02-27	2565	487.7 - 1013.5	1599.6 - 3324.1	4	GNOL MMR Lyleton
	A11	14-10-12-29	2551	.0 - 2460.0	.0 - 8068.8	5	GNOL Kirkella Prov.
	A12	14-10-12-29	2551	.0 - 2460.0	.0 - 8068.8	5	GNOL Kirkella Prov.
	A4	08-07-03-28	2553	420.0 - 1033.3	1377.6 - 3389.1	6	GNOL et al Pierson
	A5	09-15-07-28	7965	785.0 - 2476.0	2574.8 - 8121.3	5	Black Gold Daly Sinclair HZNTL
		11-19-10-27	2564	630.0 - 1133.9	2066.4 - 3719.1	7	Daly Gas No. 2
		08-07-03-28	2553	420.0 - 1033.3	1377.6 - 3389.1	6	GNOL et al Pierson
	A6	11-19-10-27	2564	630.0 - 1133.9	2066.4 - 3719.1	7	Daly Gas No. 2
	A7	06-04-02-26	2566	457.2 - 981.5	1499.6 - 3219.2	3	GNOL MMR Dalny
		11-19-10-27	2564	630.0 - 1133.9	2066.4 - 3719.1	7	Daly Gas No. 2
	A8	06-04-02-26	2566	457.2 - 981.5	1499.6 - 3219.2	3	GNOL MMR Dalny
		10-28-02-28	2552	.0 - 1027.2	.0 - 3369.2	6	Great Northern Pierson
	A9	10-28-02-28	2552	.0 - 1027.2	.0 - 3369.2	6	Great Northern Pierson
	B	08-04-11-28	7921	715.0 - 2209.0	2345.2 - 7245.5	4	Black Gold Elkhorn HZNTL
	B1	15-13-03-29	2567	548.6 - 986.0	1799.5 - 3234.2	4	Copperhead Pierson
	B10	04-30-03-28	2563	500.0 - 974.1	1640.0 - 3195.2	5	Copperhead Pierson Prov.
	B11	01-31-09-29	1026	923.5 - 1271.0	3029.2 - 4168.9	3	Calstan West Butler
		01-31-09-29	1026	923.5 - 1271.0	3029.2 - 4168.9	3	Calstan West Butler
		01-31-09-29	1026	923.5 - 1271.0	3029.2 - 4168.9	3	Calstan West Butler
	B12	01-31-09-29	1026	923.5 - 1271.0	3029.2 - 4168.9	3	Calstan West Butler
		01-17-12-29	2587	390.0 - 2030.0	1279.2 - 6658.4	3	Rideau W. Kirkella
		01-31-09-29	1026	923.5 - 1271.0	3029.2 - 4168.9	3	Calstan West Butler
		01-31-09-29	1026	923.5 - 1271.0	3029.2 - 4168.9	3	Calstan West Butler
	B4	07-30-01-25	2591	1500.0 - 2080.0	4920.0 - 6822.4	3	Omega Waskada Prov.
	B8	07-13-03-29	2580	606.6 - 984.5	1989.5 - 3229.2	3	Copperhead MMR Pierson SWD
		02-13-03-29	2579	500.0 - 984.5	1640.0 - 3229.2	5	Copperhead MMR Pierson
		03-15-12-29	2570	2190.0 - 2450.0	7183.2 - 8036.0	1	GNOL Kirkella
		13-10-12-29	2568	2240.0 - 2465.0	7347.2 - 8085.2	1	GNOL Kirkella Prov.
	B9	02-13-03-29	2579	500.0 - 984.5	1640.0 - 3229.2	5	Copperhead MMR Pierson
		04-30-03-28	2563	500.0 - 974.1	1640.0 - 3195.2	5	Copperhead Pierson Prov.
	BT	03-25-02-29	6877	1335.0 - 1652.0	4378.8 - 5418.6	2	CNRL Pierson HZNTL
		03-25-02-29	6877	900.0 - 1460.0	2952.0 - 4788.8	2	CNRL Pierson HZNTL
		03-25-02-29	6877	900.0 - 1460.0	2952.0 - 4788.8	2	CNRL Pierson HZNTL
		04-23-02-29	6970	930.0 - 1653.2	3050.4 - 5422.5	3	CNRL Pierson HZNTL
		03-25-02-29	6877	1335.0 - 1652.0	4378.8 - 5418.6	2	CNRL Pierson HZNTL
		14-13-02-29	7889	575.0 - 1710.0	1886.0 - 5608.8	5	Atikwa Pierson HZNTL
	C10	09-30-05-24	2604	.0 - 1585.0	.0 - 5198.8	7	Francana et al Hartney
		09-06-02-26	2610	.0 - 1986.0	.0 - 6514.0	6	Chevron Coulter
	C11	09-30-05-24	2604	.0 - 1585.0	.0 - 5198.8	7	Francana et al Hartney
	C12	09-30-05-24	2604	.0 - 1585.0	.0 - 5198.8	7	Francana et al Hartney



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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
233	C2	10-07-10-27	2572	920.0 - 1118.6	3017.6 - 3669.1	5	Daly Gas No. 4
	C3	10-07-10-27	2572	920.0 - 1118.6	3017.6 - 3669.1	5	Daly Gas No. 4
		08-06-06-29	2588	865.6 - 942.4	2839.3 - 3091.2	1	Corona Tilston
	C4	04-01-03-28	2631	.0 - 1010.0	.0 - 3312.8	4	Oil et al E. Pierson
	C6	04-29-02-28	2614	95.0 - 981.0	311.6 - 3217.7	4	Copperhead Pierson Prov.
	C7	A16-13-01-26	2636	.0 - 955.0	.0 - 3132.4	4	Omega S. Waskada
		05-21-09-28	2596	2440.0 - 2578.0	8003.2 - 8455.8	1	Rundle Daly
		A16-13-01-26	2636	.0 - 955.0	.0 - 3132.4	4	Omega S. Waskada
		14-01-12-29	2637	110.0 - 1919.3	360.8 - 6295.4	2	Rideau E. Kirkella
	C8	04-29-02-28	2614	95.0 - 981.0	311.6 - 3217.7	4	Copperhead Pierson Prov.
		A16-13-01-26	2636	.0 - 955.0	.0 - 3132.4	4	Omega S. Waskada
		A16-13-01-26	2636	.0 - 955.0	.0 - 3132.4	4	Omega S. Waskada
		04-15-09-28	2595	61.0 - 743.7	199.9 - 2439.4	1	Rundle Daly
	C9	09-06-02-26	2610	.0 - 1986.0	.0 - 6514.0	6	Chevron Coulter
	CT	02-17-09-29	7944	805.0 - 2316.0	2640.4 - 7596.5	4	Tundra Daly Sinclair HZNTL
		11-29-16-27	8102	490.0 - 1269.0	1607.2 - 4162.3	2	Tundra Birdtail Prov. HZNTL
		04-19-09-29	7876	810.0 - 2290.0	2656.8 - 7511.2	4	Tundra Daly Sinclair HZNTL
		03-29-16-27	8026	480.0 - 981.0	1574.4 - 3217.7	2	Tundra Birdtail Prov. HZNTL
		01-01-08-29	7411	825.0 - 2370.0	2706.0 - 7773.6	4	Sinclair Unit No. 3 HZNTL WIW
	234	A10	08-13-05-29	2696	5.0 - 2058.0	16.4 - 6750.3	9
A11		10-28-04-25	2697	120.0 - 960.0	393.6 - 3148.8	4	HB Napinka
A12		10-28-04-25	2697	120.0 - 960.0	393.6 - 3148.8	4	HB Napinka
A4		01-28-05-24	2612	210.0 - 1575.0	688.8 - 5166.0	5	Chevron et al Hartney
		04-05-11-24	2628	284.0 - 2073.5	931.5 - 6800.9	3	New Scope East Virden
A5		01-28-05-24	2612	210.0 - 1575.0	688.8 - 5166.0	5	Chevron et al Hartney
A6		02-26-01-26	2722	875.0 - 941.0	2870.0 - 3086.5	1	Omega Waskada
		13-24-01-26	2721	875.0 - 950.0	2870.0 - 3116.0	1	Omega Waskada
		02-26-01-26	2722	875.0 - 941.0	2870.0 - 3086.5	1	Omega Waskada
A7		01-25-01-26	2673	825.0 - 950.0	2706.0 - 3116.0	2	Omega Waskada
		04-22-16-29	2644	533.0 - 887.0	1748.2 - 2909.4	3	IMC McAuley Prov. PTH
		01-25-01-26	2673	825.0 - 950.0	2706.0 - 3116.0	2	Omega Waskada
A8		12-04-16-28	2643	140.0 - 1738.8	459.2 - 5703.3	2	IMC McAuley Prov. PTH
		03-31-01-25	2704	130.0 - 1952.1	426.4 - 6403.0	2	Omega Waskada
		14-24-01-26	2720	297.2 - 951.5	974.8 - 3121.0	1	Omega Waskada
		01-25-01-26	2673	825.0 - 950.0	2706.0 - 3116.0	2	Omega Waskada
		01-25-01-26	2673	825.0 - 950.0	2706.0 - 3116.0	2	Omega Waskada
		09-25-01-26	2730	297.2 - 944.0	974.8 - 3096.3	1	Omega Waskada
A9		09-30-01-25	2736	941.0 - 944.0	3086.5 - 3096.3	1	Omega Waskada
		08-13-05-29	2696	5.0 - 2058.0	16.4 - 6750.3	9	Francana et al E. Tilston
	08-13-05-29	2696	5.0 - 2058.0	16.4 - 6750.3	10	Francana et al E. Tilston	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
234	AT	A05-18-07-28	7794	825.0 - 2512.0	2706.0 - 8239.4	4	Sinclair Unit No. 2 HZNTL
		11-30-16-27	8103	480.0 - 1233.0	1574.4 - 4044.2	2	Tundra Birdtail HZNTL
		A05-18-07-28	7794	825.0 - 2512.0	2706.0 - 8239.4	4	Sinclair Unit No. 2 HZNTL
		01-20-09-29	7900	810.0 - 2662.0	2656.8 - 8731.4	4	Tundra Daly Sinclair HZNTL
		A05-18-07-28	7794	820.0 - 995.0	2689.6 - 3263.6	1	Sinclair Unit No. 2 HZNTL
		A05-18-07-28	7794	820.0 - 995.0	2689.6 - 3263.6	1	Sinclair Unit No. 2 HZNTL
		16-17-09-29	7922	805.0 - 2300.0	2640.4 - 7544.0	4	Tundra Daly Sinclair HZNTL
		06-30-16-27	8134	480.0 - 1231.0	1574.4 - 4037.7	2	Tundra Birdtail HZNTL
B1	16-21-03-24	2701	270.0 - 865.0	885.6 - 2837.2	3	Clarion et al Medora	
B12	12-27-02-28	2666	5.0 - 1002.0	16.4 - 3286.6	5	Cobra et al E. Pierson	
	02-30-02-28	2735	950.0 - 1026.0	3116.0 - 3365.2	1	Cobra et al S. Pierson	
	02-30-02-28	2735	950.0 - 1026.0	3116.0 - 3365.2	1	Cobra et al S. Pierson	
B2	14-17-02-22	2705	130.0 - 1075.0	426.4 - 3526.0	4	Clarion et al Hazeldean	
	03-01-05-22	2702	170.0 - 2559.0	557.6 - 8393.6	3	Clarion et al Regent	
	16-21-03-24	2701	270.0 - 865.0	885.6 - 2837.2	3	Clarion et al Medora	
B3	08-31-02-23	2706	210.0 - 1770.0	688.8 - 5805.6	7	Clarion et al Deloraine	
	14-17-02-22	2705	130.0 - 1075.0	426.4 - 3526.0	4	Clarion et al Hazeldean	
B4	07-15-05-22	2707	90.0 - 2575.5	295.2 - 8447.6	3	Clarion et al S. Underhill	
	08-31-02-23	2706	210.0 - 1770.0	688.8 - 5805.6	7	Clarion et al Deloraine	
B5	04-19-05-21	2713	125.0 - 740.0	410.0 - 2427.2	4	Clarion et al Elgin	
	07-15-05-22	2707	90.0 - 2575.5	295.2 - 8447.6	3	Clarion et al S. Underhill	
B6	04-25-06-26	2695	170.0 - 1675.0	557.6 - 5494.0	6	HB S. Pipestone Prov.	
	04-19-05-21	2713	125.0 - 740.0	410.0 - 2427.2	4	Clarion et al Elgin	
B7	04-25-06-26	2695	170.0 - 1675.0	557.6 - 5494.0	6	HB S. Pipestone Prov.	
	02-17-04-25	2683	180.0 - 1548.0	590.4 - 5077.4	7	Clarion et al Napinka	
B8	02-17-04-25	2683	180.0 - 1548.0	590.4 - 5077.4	7	Clarion et al Napinka	
B9	02-17-04-25	2683	180.0 - 1548.0	590.4 - 5077.4	7	Clarion et al Napinka	
BT	09-24-09-29	7776	785.0 - 2420.0	2574.8 - 7937.6	4	Tundra Daly Sinclair Prov. HZNTL	
	03-25-16-28	8114	145.0 - 575.0	475.6 - 1886.0	2	Tundra St. Lazare HZNTL	
	03-25-16-28	8114	480.0 - 1371.5	1574.4 - 4498.5	3	Tundra St. Lazare HZNTL	
	03-25-16-28	8114	480.0 - 1371.5	1574.4 - 4498.5	3	Tundra St. Lazare HZNTL	
	16-05-09-29	7672	835.0 - 2334.0	2738.8 - 7655.5	4	Tundra Daly Sinclair HZNTL	
	03-25-16-28	8114	145.0 - 575.0	475.6 - 1886.0	2	Tundra St. Lazare HZNTL	
C1	11-08-02-29	2665	.0 - 1107.0	.0 - 3630.9	4	Murphy S. Pierson	
	12-30-02-28	2675	500.0 - 1021.0	1640.0 - 3348.9	3	Cobra et al S. Pierson	
	12-30-02-28	2675	500.0 - 1021.0	1640.0 - 3348.9	3	Cobra et al S. Pierson	
C10	09-24-02-29	2727	150.0 - 950.0	492.0 - 3116.0	4	Cobra et al S. Pierson	
	12-26-02-29	2751	310.0 - 1040.0	1016.8 - 3411.2	3	Cobra et al S. Pierson	
	04-20-01-25	2744	140.0 - 993.0	459.2 - 3257.1	4	Chevron Waskada Prov.	
	09-24-02-29	2727	150.0 - 950.0	492.0 - 3116.0	4	Cobra et al S. Pierson	
C11	12-26-02-29	2751	310.0 - 1040.0	1016.8 - 3411.2	3	Cobra et al S. Pierson	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
234	C11	03-05-01-24	2755	165.0 - 955.0	541.2 - 3132.4	4	Roxy et al S. Goodlands
	C12	03-05-01-24	2755	165.0 - 955.0	541.2 - 3132.4	4	Roxy et al S. Goodlands
	C2	14-27-04-22	2664	109.0 - 800.0	357.5 - 2624.0	3	Saskoil GNOL Regent
		11-08-02-29	2665	.0 - 1107.0	.0 - 3630.9	4	Murphy S. Pierson
	C3	06-29-05-24	2613	150.0 - 830.0	492.0 - 2722.4	2	Chevron et al Hartney
		14-27-04-22	2664	109.0 - 800.0	357.5 - 2624.0	3	Saskoil GNOL Regent
	C4	14-05-02-28	2654	110.0 - 1033.0	360.8 - 3388.3	7	Cobra Shell Lyleton
		06-29-05-24	2613	150.0 - 830.0	492.0 - 2722.4	2	Chevron et al Hartney
		14-05-02-28	2654	110.0 - 1033.0	360.8 - 3388.3	7	Cobra Shell Lyleton
	C5	03-04-11-24	2608	195.0 - 1916.0	639.6 - 6284.4	2	Chevron East Virden
		14-05-02-28	2654	110.0 - 1033.0	360.8 - 3388.3	7	Cobra Shell Lyleton
		14-05-02-28	2654	110.0 - 1033.0	360.8 - 3388.3	7	Cobra Shell Lyleton
		04-01-01-27	2634	930.0 - 992.0	3050.4 - 3253.7	1	TJB Coulter
	C6	14-34-10-24	2607	295.0 - 2526.3	967.6 - 8286.2	2	Chevron East Virden
		13C-29-19-29	2657	789.0 - 853.0	2587.9 - 2797.8	2	Amax Millwood Prov. PTH
		01-24-01-26	3016	125.0 - 957.0	410.0 - 3138.9	3	Omega Waskada Prov.
	C7	01-24-01-26	3016	125.0 - 957.0	410.0 - 3138.9	3	Omega Waskada Prov.
		12-18-12-29	2651	110.0 - 2421.2	360.8 - 7941.6	3	Kywan West Kirkells Prov.
	C8	10-16-07-28	2743	130.0 - 880.0	426.4 - 2886.4	3	Charter et al Linklater
		06-15-02-21	2650	190.0 - 960.0	623.2 - 3148.8	3	Lead S. Whitewater
C9	10-16-07-28	2743	130.0 - 880.0	426.4 - 2886.4	3	Charter et al Linklater	
	04-20-01-25	2744	140.0 - 993.0	459.2 - 3257.1	4	Chevron Waskada Prov.	
CT	A05-02-08-29	7415	825.0 - 2515.0	2706.0 - 8249.2	4	Sinclair Unit No. 3 Prov. HZNTL WIW	
	01-26-09-29	7852	785.0 - 2284.0	2574.8 - 7491.5	4	Tundra Daly Sinclair HZNTL	
	08-17-07-28	7793	815.0 - 2358.4	2673.2 - 7735.6	4	Sinclair Unit No. 2 HZNTL	
235	A1	11-29-01-25	4300	.0 - 1828.8	.0 - 5998.5	12	Omega Waskada Prov.
	A10	07-20-03-29	2539	121.9 - 1048.5	399.9 - 3439.1	6	Teck Taurus NW Pierson Prov.
		16-16-03-29	2546	140.2 - 1060.7	459.9 - 3479.1	6	Berry Pierson Prov.
	A11	07-20-03-29	2539	121.9 - 1048.5	399.9 - 3439.1	6	Teck Taurus NW Pierson Prov.
	A12	16-13-05-12	2530	3.7 - 971.1	12.0 - 3185.2	6	ASM-BTO et al Swan Lake Prov.
	A2	11-29-01-25	4300	.0 - 1828.8	.0 - 5998.5	12	Omega Waskada Prov.
	A3	11-29-01-25	4300	.0 - 1828.8	.0 - 5998.5	12	Omega Waskada Prov.
	A4	14-33-01-25	2542	3.1 - 975.4	10.0 - 3199.2	7	Waskada MMR
	A5	14-33-01-25	2542	3.1 - 975.4	10.0 - 3199.2	7	Waskada MMR
	A6	04-04-03-15	2529	3.7 - 1229.9	12.0 - 4034.0	7	ASM-BTO et al Holmfield Prov.
	A7	04-04-03-15	2529	3.7 - 1229.9	12.0 - 4034.0	7	ASM-BTO et al Holmfield Prov.
		09-16-03-29	2544	128.0 - 1004.9	419.9 - 3296.2	5	Centennial Pierson Prov.
	A8	09-16-03-29	2544	128.0 - 1004.9	419.9 - 3296.2	5	Centennial Pierson Prov.
A9	16-16-03-29	2546	140.2 - 1060.7	459.9 - 3479.1	6	Berry Pierson Prov.	

**Non Confidential Sample Cuttings**  
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**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
235	AT	05-27-10-29	8090	755.0 - 2362.0	2476.4 - 7747.4	4	Tundra Daly Sinclair HZNTL
		13-31-10-28	7970	740.0 - 2316.0	2427.2 - 7596.5	4	Tundra Daly Sinclair HZNTL
		04-27-10-29	8116	755.0 - 2384.0	2476.4 - 7819.5	4	Tundra Daly Sinclair HZNTL
		16-03-11-28	7997	730.0 - 2198.0	2394.4 - 7209.4	4	Tundra Elkhorn HZNTL
B10	15-06-09-23	2525	12.0 - 1429.5	39.4 - 4688.8	9	ASM-BTO et al Oaklake Prov.	
B11	16-29-12-29	2532	3.7 - 1668.8	12.0 - 5473.6	10	ASM-BTO et al Kirkella Prov.	
	15-06-09-23	2525	12.0 - 1429.5	39.4 - 4688.8	9	ASM-BTO et al Oaklake Prov.	
B12	16-29-12-29	2532	3.7 - 1668.8	12.0 - 5473.6	10	ASM-BTO et al Kirkella Prov.	
B2	16-16-05-21	2526	3.7 - 1500.8	12.0 - 4922.8	9	ASM-BTO et al Elgin Prov.	
B3	16-16-05-21	2526	3.7 - 1500.8	12.0 - 4922.8	9	ASM-BTO et al Elgin Prov.	
B4	16-16-05-21	2526	3.7 - 1500.8	12.0 - 4922.8	9	ASM-BTO et al Elgin Prov.	
B5	16-34-06-29	2523	3.1 - 1959.3	10.0 - 6426.3	12	ASM-BTO et al Sinclair Prov.	
B6	16-34-06-29	2523	3.1 - 1959.3	10.0 - 6426.3	12	ASM-BTO et al Sinclair Prov.	
B7	16-34-06-29	2523	3.1 - 1959.3	10.0 - 6426.3	12	ASM-BTO et al Sinclair Prov.	
B8	15-12-09-12	2531	3.7 - 802.5	12.0 - 2632.3	5	ASM-BTO et al Spruce Prov.	
B9	15-12-09-12	2531	3.7 - 802.5	12.0 - 2632.3	5	ASM-BTO et al Spruce Prov.	
	15-06-09-23	2525	12.0 - 1429.5	39.4 - 4688.8	9	ASM-BTO et al Oaklake Prov.	
BT	13-29-05-29	7940	560.0 - 1176.0	1836.8 - 3857.3	3	Clampett Tilston Prov.	
	02-11-02-29	7985	800.0 - 1758.0	2624.0 - 5766.2	3	WestMan Pierson Prov. HZNTL	
	03-29-01-25	7969	800.0 - 1650.0	2624.0 - 5412.0	3	WestMan Waskada Prov. HZNTL	
	05-30-01-27	8004	950.0 - 2404.0	3116.0 - 7885.1	3	Legacy Coulter Prov. HZNTL	
	12-07-09-29	7923	825.0 - 2225.0	2706.0 - 7298.0	4	Tundra Daly Sinclair HZNTL	
C1	02-14-16-28	2536	3.7 - 1284.7	12.0 - 4213.9	7	ASM-BTO et al Ft. Ellice Prov.	
	02-14-16-28	2536	1060.7 - 1234.4	3479.1 - 4049.0	1	ASM-BTO et al Ft. Ellice Prov.	
	16-29-12-29	2532	3.7 - 1668.8	12.0 - 5473.6	10	ASM-BTO et al Kirkella Prov.	
C10	04-12-11-26	604	539.5 - 594.4	1769.6 - 1949.5	1	Banff Scallion	
	13-10-09-11	313	307.9 - 460.3	1009.7 - 1509.6	1	National Bulk Carriers Prov.	
	16-11-02-10	1013	847.3 - 950.7	2779.3 - 3118.2	1	Nipiron No. 16-11	
C11	12-22-15-27	2558	300.0 - 1890.0	984.0 - 6199.2	4	CDCOG et al Birdtail Creek	
C12	11-09-16-27	2559	300.0 - 1790.0	984.0 - 5871.2	3	CDCOG et al Birdtail Creek	
	03-21-15-27	2589	1710.0 - 1840.0	5608.8 - 6035.2	1	Sun et al Birdtail Creek	
C2	02-14-16-28	2536	3.7 - 1284.7	12.0 - 4213.9	7	ASM-BTO et al Ft. Ellice Prov.	
C3	02-14-16-28	2536	3.7 - 1284.7	12.0 - 4213.9	7	ASM-BTO et al Ft. Ellice Prov.	
	04-21-17-18	2540	10.0 - 1190.0	32.8 - 3903.2	2	Bralorne Erickson Prov.	
C4	03-03-19-18	2541	10.0 - 1110.0	32.8 - 3640.8	2	Bralorne Erickson Prov.	
	02-14-18-29	2534	.0 - 1332.0	.0 - 4368.9	8	ASM-BTO et al Gambler Prov.	
C5	02-14-18-29	2534	.0 - 1332.0	.0 - 4368.9	8	ASM-BTO et al Gambler Prov.	
C6	02-14-18-29	2534	.0 - 1332.0	.0 - 4368.9	8	ASM-BTO et al Gambler Prov.	
	06-33-23-16	2464	109.7 - 573.0	359.9 - 1879.5	4	Shell Dauphin Prov.	
	06-33-23-16	2464	109.7 - 573.0	359.9 - 1879.5	4	Shell Dauphin Prov.	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
235	C7	03-11-01-16	2520	274.3 - 499.9	899.8 - 1639.6	2	Spruce et al Prov.
	C8	11-29-01-25	4300	3.1 - 457.2	10.0 - 1499.6	3	Omega Waskada Prov.
		03-11-01-16	2520	274.3 - 499.9	899.8 - 1639.6	2	Spruce et al Prov.
	C9	10-32-07-24	1875	630.9 - 2270.0	2069.5 - 7445.6	1	Calstan Plum Lake Prov.
	CT	10-18-01-24	8118	860.0 - 2012.0	2820.8 - 6599.4	3	ARC Waskada HZNTL
		04-18-01-24	8198	875.0 - 2460.0	2870.0 - 8068.8	4	Penn West Waskada HZNTL
		02-15-02-26	7916	900.0 - 1576.0	2952.0 - 5169.3	2	Penn West Waskada HZNTL
		16-19-01-25	7942	800.0 - 1640.0	2624.0 - 5379.2	3	Renegade Border Waskada HZNTL
		A16-20-10-28	8031	720.0 - 2335.0	2361.6 - 7658.8	4	Tundra Daly Sinclair HZNTL
		10-28-01-26	7882	880.0 - 1600.0	2886.4 - 5248.0	2	Renegade Waskada HZNTL
236	A10	06-28-11-29	2463	106.7 - 816.9	349.9 - 2679.3	4	Garvey S. Kirkella Prov.
		10-22-11-29	2462	146.3 - 826.0	479.9 - 2709.3	3	Garvey S. Kirkella Prov.
	A11	10-22-11-29	2462	146.3 - 826.0	479.9 - 2709.3	3	Garvey S. Kirkella Prov.
		06-16-11-29	343	1340.0 - 2560.0	4395.2 - 8396.8	3	John Lucien Canart No. 1
	A6	06-28-11-29	2463	106.7 - 816.9	349.9 - 2679.3	4	Garvey S. Kirkella Prov.
		05-21-11-29	463	365.8 - 801.6	1199.7 - 2629.3	3	Smith Canart No. 2
	A7	12-09-11-27	2275	100.6 - 685.8	329.9 - 2249.4	4	Rundle et al Hargrave
		02-13-11-27	882	820.0 - 1850.0	2689.6 - 6068.0	1	Dome Naco Hargrave
	A8	07-05-11-26	1834	289.6 - 637.0	949.8 - 2089.5	2	Amurex South Scallion
	A9	12-09-11-27	2275	100.6 - 685.8	329.9 - 2249.4	4	Rundle et al Hargrave
		06-31-11-26	2013	460.0 - 2210.0	1508.8 - 7248.8	3	Aries West Scallion
	AT	15-21-07-29	8164	885.0 - 2465.0	2902.8 - 8085.2	4	Tundra Daly Sinclair HZNTL
		14-07-01-23	8123	900.0 - 2550.0	2952.0 - 8364.0	4	Red Beds South Deloraine HZNTL
		05-31-10-28	7903	740.0 - 2316.0	2427.2 - 7596.5	4	Tundra Daly Sinclair HZNTL
		13-05-11-28	8088	735.0 - 2346.0	2410.8 - 7694.9	4	Tundra Elkhorn HZNTL
	B1	01-12-14-26	765	500.0 - 1100.0	1640.0 - 3608.0	1	S.T.H. No. 1 (Dome)
	B10	15-29-14-14	2472	3.1 - 786.4	10.0 - 2579.3	5	Husky DDH (Baden) No. 3
		02-03-13-27	240	1995.0 - 2105.0	6543.6 - 6904.4	1	Royalite Triad et al Two Creeks No. 1
	B11	15-29-14-14	2472	3.1 - 786.4	10.0 - 2579.3	5	Husky DDH (Baden) No. 3
	B6	05-21-11-29	463	365.8 - 801.6	1199.7 - 2629.3	3	Smith Canart No. 2
	B7	02-13-11-27	882	1860.0 - 2110.0	6100.8 - 6920.8	1	Dome Naco Hargrave
	B9	15-31-17-17	2509	179.8 - 1170.0	589.8 - 3837.6	1	Asamera et al Otter Lake Prov.
	BT	15-06-07-28	8044	835.0 - 2167.0	2738.8 - 7107.8	4	Sinclair Unit No. 2 Prov. HZNTL
04-12-04-22		8072	700.0 - 1672.0	2296.0 - 5484.2	3	Tundra Regent Prov. HZNTL	
04-12-04-22		8072	700.0 - 1672.0	2296.0 - 5484.2	3	Tundra Regent Prov. HZNTL	
04-12-04-22		8072	700.0 - 1672.0	2296.0 - 5484.2	3	Tundra Regent Prov. HZNTL	
04-12-04-22		8072	970.0 - 1647.0	3181.6 - 5402.2	3	Tundra Regent Prov. HZNTL	
04-12-04-22		8072	970.0 - 1647.0	3181.6 - 5402.2	3	Tundra Regent Prov. HZNTL	
04-12-04-22		8072	970.0 - 1647.0	3181.6 - 5402.2	3	Tundra Regent Prov. HZNTL	
14-23-07-29		8178	880.0 - 2406.0	2886.4 - 7891.7	4	Tundra Daly Sinclair HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
236	BT	08-25-07-29	8100	835.0 - 2356.0	2738.8 - 7727.7	4	Sinclair Unit No. 2 HZNTL
	C11	07-01-13-26	2493	350.0 - 2480.0	1148.0 - 8134.4	4	Gallita et al Two Creeks Prov.
	C2	06-16-11-29	343	330.0 - 1340.0	1082.4 - 4395.2	2	John Lucien Canart No. 1
	C6	13-15-11-27	241	500.0 - 2130.0	1640.0 - 6986.4	4	Baysel California Standard Hargrave
		06-13-11-27	1825	137.2 - 655.3	449.9 - 2149.4	3	Pascal Gordon Hargrave
	C7	13-15-11-27	241	500.0 - 2130.0	1640.0 - 6986.4	4	Baysel California Standard Hargrave
		07-16-11-27	688	2305.0 - 2395.0	7560.4 - 7855.6	1	Hallis West Hargrave
	C8	16-18-11-28	251	.0 - 809.2	.0 - 2654.3	6	Baysel California Standard Elkhorn
	C9	16-18-11-28	251	.0 - 809.2	.0 - 2654.3	6	Baysel California Standard Elkhorn
	CT	09-12-08-29	8071	820.0 - 2367.0	2689.6 - 7763.8	4	Sinclair Unit No. 3 HZNTL
		09-06-07-28	8066	830.0 - 2079.0	2722.4 - 6819.1	4	Sinclair Unit No. 2 Prov. HZNTL
13-11-08-29		8070	820.0 - 2380.0	2689.6 - 7806.4	4	Sinclair Unit No. 3 Prov. HZNTL	
237	1A	09-11-10-26	5108	450.0 - 1295.0	1476.0 - 4247.6	4	Virден Roselea Unit No. 3 Prov. HZNTL
	A15-16-02-29	5859	940.0 - 1025.0	3083.2 - 3362.0	1	South Pierson Unit No. 1 Prov.	
		5103	465.0 - 1423.0	1525.2 - 4667.4	4	Routledge Unit No. 1 Prov. HZNTL	
		5888	940.0 - 1020.0	3083.2 - 3345.6	1	South Pierson Unit No. 1 Prov.	
	1B	15-07-10-25	5109	450.0 - 1144.0	1476.0 - 3752.3	3	Chevron Canada Resources
		13-13-10-26	5119	460.0 - 1607.0	1508.8 - 5271.0	5	Virден Roselea Unit No. 3 HZNTL
		04C-17-02-29	5889	975.0 - 1040.0	3198.0 - 3411.2	1	South Pierson Unit No. 1
		04D-17-02-29	5890	975.0 - 1036.0	3198.0 - 3398.1	1	South Pierson Unit No. 1
	1C	08-13-10-26	5110	450.0 - 1269.0	1476.0 - 4162.3	4	Virден Roselea Unit No. 3 HZNTL
		11C-16-02-29	5854	940.0 - 1029.0	3083.2 - 3375.1	1	South Pierson Unit No. 1 Prov.
		15-08-03-21	4879	705.0 - 840.0	2312.4 - 2755.2	1	EOG Whitewater
		07C-16-02-29	5886	940.0 - 1027.0	3083.2 - 3368.6	1	South Pierson Unit No. 1 Prov.
		08-13-10-26	5110	715.0 - 1150.0	2345.2 - 3772.0	2	Virден Roselea Unit No. 3 HZNTL
		08-13-10-26	5110	715.0 - 1150.0	2345.2 - 3772.0	2	Virден Roselea Unit No. 3 HZNTL
		08-13-10-26	5110	450.0 - 1269.0	1476.0 - 4162.3	4	Virден Roselea Unit No. 3 HZNTL
		15-34-01-25	5060	820.0 - 942.0	2689.6 - 3089.8	1	EOG Waskada Prov.
		2A	11-03-02-25	5093	820.0 - 928.0	2689.6 - 3043.8	1
	07-02-02-25		5092	815.0 - 891.0	2673.2 - 2922.5	1	EOG Waskada Prov.
	09-27-01-25		5112	825.0 - 940.0	2706.0 - 3083.2	1	EOG Waskada
	A13-19-04-22		5063	700.0 - 830.0	2296.0 - 2722.4	1	EOG Regent
	09-27-01-25		5112	825.0 - 940.0	2706.0 - 3083.2	1	EOG Waskada
	11-27-01-25		5113	825.0 - 938.0	2706.0 - 3076.6	1	EOG Waskada
	01-02-02-25		5091	815.0 - 895.0	2673.2 - 2935.6	1	EOG Waskada Prov.
08-30-10-25	5124		435.0 - 1444.0	1426.8 - 4736.3	4	Virден Roselea Unit No. 1 HZNTL	
05-34-01-25	5059		825.0 - 950.0	2706.0 - 3116.0	1	EOG Waskada	
2B	05-27-01-25	5128	830.0 - 910.0	2722.4 - 2984.8	1	EOG Waskada	
	A15-06-11-25	5126	435.0 - 1225.0	1426.8 - 4018.0	6	Virден Roselea Unit No. 2 Prov. HZNTL	
	A15-06-11-25	5126	435.0 - 1225.0	1426.8 - 4018.0	6	Virден Roselea Unit No. 2 Prov. HZNTL	
	09-05-11-25	5125	415.0 - 962.0	1361.2 - 3155.4	3	Virден Roselea Unit No. 2 Prov. HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
237	2B	03-27-01-25	5127	820.0 - 910.0	2689.6 - 2984.8	1	EOG Waskada
		03-27-01-25	5127	820.0 - 910.0	2689.6 - 2984.8	1	EOG Waskada
	2C	14-24-11-26	5131	435.0 - 1285.0	1426.8 - 4214.8	4	North Virden Scallion Unit No. 1 Prov. HZNTL
		03-07-04-21	5141	695.0 - 805.0	2279.6 - 2640.4	1	EOG Regent
		07-27-01-25	5139	820.0 - 936.0	2689.6 - 3070.1	1	EOG Waskada
		11-27-11-26	5132	440.0 - 1445.0	1443.2 - 4739.6	4	North Virden Scallion Unit No. 1 HZNTL
		11-27-11-26	5132	440.0 - 1445.0	1443.2 - 4739.6	4	North Virden Scallion Unit No. 1 HZNTL
		14-24-11-26	5131	435.0 - 1285.0	1426.8 - 4214.8	4	North Virden Scallion Unit No. 1 Prov. HZNTL
		01-27-01-25	5138	825.0 - 938.0	2706.0 - 3076.6	1	EOG Waskada
	3A	12-23-09-28	5134	690.0 - 855.0	2263.2 - 2804.4	2	Tundra Daly
		13-23-09-28	5135	690.0 - 855.0	2263.2 - 2804.4	2	Tundra Daly
		12-10-01-24	5122	890.0 - 971.0	2919.2 - 3184.9	1	Tundra Waskada DIR
		12-23-09-28	5134	690.0 - 855.0	2263.2 - 2804.4	2	Tundra Daly
		11-23-09-28	4989	730.0 - 855.0	2394.4 - 2804.4	1	Tundra Daly
		11-23-09-28	4989	730.0 - 855.0	2394.4 - 2804.4	1	Tundra Daly
		13-23-09-28	5135	690.0 - 855.0	2263.2 - 2804.4	2	Tundra Daly
	3B	05-11-11-26	5130	450.0 - 1445.0	1476.0 - 4739.6	4	North Virden Scallion Unit No. 1 HZNTL
		11-10-01-24	5121	890.0 - 970.0	2919.2 - 3181.6	1	Tundra Waskada DIR
		01-04-01-28	5001	930.0 - 1068.0	3050.4 - 3503.0	1	Tundra South Pierson Prov.
		11-11-01-24	5036	820.0 - 969.0	2689.6 - 3178.3	1	Tundra Goodlands Prov.
		A06-14-06-27	5068	950.0 - 1400.0	3116.0 - 4592.0	1	Tundra South Reston HZNTL
		01-28-06-26	5129	130.0 - 780.0	426.4 - 2558.4	3	Tundra South Pipestone
		15-10-01-24	5034	815.0 - 959.0	2673.2 - 3145.5	1	Tundra Goodlands
05-14-01-24		5117	840.0 - 960.0	2755.2 - 3148.8	1	Tundra Waskada	
08-15-01-24		5118	840.0 - 960.0	2755.2 - 3148.8	1	Tundra Waskada	
05-10-01-24		5120	900.0 - 972.0	2952.0 - 3188.2	1	Tundra Waskada DIR	
3C	13-05-10-29	5066	861.0 - 917.0	2824.1 - 3007.8	1	Rideau Daly	
	13-05-10-29	5066	861.0 - 917.0	2824.1 - 3007.8	1	Rideau Daly	
	14-05-01-24	5155	820.0 - 947.0	2689.6 - 3106.2	1	EOG Waskada	
	12-07-04-21	5142	695.0 - 804.0	2279.6 - 2637.1	1	EOG Regent	
4A	08-02-07-27	5147	695.0 - 827.0	2279.6 - 2712.6	1	New Midland Reston	
	08-02-07-27	5147	695.0 - 827.0	2279.6 - 2712.6	1	New Midland Reston	
	12-21-03-21	5153	700.0 - 1476.6	2296.0 - 4843.2	5	EOG Whitewater Prov. HZNTL	
	12-21-03-21	5153	700.0 - 1476.6	2296.0 - 4843.2	5	EOG Whitewater Prov. HZNTL	
	16-04-01-24	5156	845.0 - 923.0	2771.6 - 3027.4	1	EOG Waskada	
	02-34-11-26	5133	440.0 - 1280.0	1443.2 - 4198.4	4	North Virden Scallion Unit No. 1 HZNTL	
4B	10-15-09-29	5064	760.0 - 940.0	2492.8 - 3083.2	2	Rideau Daly	
	14-07-10-28	5070	700.0 - 875.0	2296.0 - 2870.0	2	Kiwi Daly	
	08-30-09-29	5065	760.0 - 974.0	2492.8 - 3194.7	2	Rideau Daly Prov.	
	04-04-07-29	5140	500.0 - 1060.0	1640.0 - 3476.8	2	385475 AB Sinclair	
	10-15-09-29	5064	760.0 - 940.0	2492.8 - 3083.2	2	Rideau Daly	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
237	4B	14-07-10-28	5070	700.0 - 875.0	2296.0 - 2870.0	2	Kiwi Daly
		01-19-03-29	5111	920.0 - 1059.0	3017.6 - 3473.5	1	Rideau Pierson
		02-18-10-28	5076	700.0 - 875.0	2296.0 - 2870.0	2	Kiwi Daly
		02-18-10-28	5076	700.0 - 875.0	2296.0 - 2870.0	2	Kiwi Daly
	4C	08-08-01-24	5163	835.0 - 909.0	2738.8 - 2981.5	1	EOG Waskada
		16-08-01-24	5164	840.0 - 965.0	2755.2 - 3165.2	2	EOG Waskada
		03-18-10-28	5077	700.0 - 880.0	2296.0 - 2886.4	2	Kiwi Daly
		03-18-10-28	5077	700.0 - 880.0	2296.0 - 2886.4	2	Kiwi Daly
		14-02-01-24	5150	860.0 - 975.0	2820.8 - 3198.0	1	EOG Waskada
		14-03-01-24	5151	855.0 - 965.0	2804.4 - 3165.2	1	EOG Waskada
		08-05-01-24	5161	840.0 - 967.0	2755.2 - 3171.8	1	EOG Waskada
		06-05-01-24	5160	830.0 - 960.0	2722.4 - 3148.8	1	EOG Waskada COM
		06-05-01-24	5160	830.0 - 960.0	2722.4 - 3148.8	1	EOG Waskada COM
14-04-01-24		5154	860.0 - 951.0	2820.8 - 3119.3	1	EOG Waskada	
08-07-01-24	5190	825.0 - 955.0	2706.0 - 3132.4	1	EOG Waskada		
5A	16-10-06-22	5149	600.0 - 1420.0	1968.0 - 4657.6	3	Tundra Souris Hartney HZNTL	
	02-23-01-24	5174	870.0 - 955.0	2853.6 - 3132.4	1	Tundra Waskada	
	09-35-01-24	5180	112.0 - 678.0	367.4 - 2223.8	3	Canadian Coastal Waskada	
	16-10-06-22	5149	600.0 - 1420.0	1968.0 - 4657.6	3	Tundra Souris Hartney HZNTL	
	07-36-02-22	5177	157.0 - 650.0	515.0 - 2132.0	2	Canadian Coastal Mountainside	
5B	15-23-09-28	5145	705.0 - 850.0	2312.4 - 2788.0	1	Tundra Daly	
	15-23-09-28	5145	705.0 - 850.0	2312.4 - 2788.0	1	Tundra Daly	
	09-23-11-27	5181	1455.0 - 700.0	4772.4 - 2296.0	3	Tundra Virden	
	07-26-10-29	5179	140.0 - 870.0	459.2 - 2853.6	4	Tundra Daly	
	08-25-10-29	5178	700.0 - 845.0	2296.0 - 2771.6	2	Tundra Daly	
5C	02-22-01-24	5173	870.0 - 950.0	2853.6 - 3116.0	1	Tundra Waskada	
	15-19-11-26	5148	575.0 - 1328.0	1886.0 - 4355.8	3	Tundra et al Virden HZNTL	
	15-19-11-26	5148	575.0 - 1328.0	1886.0 - 4355.8	3	Tundra et al Virden HZNTL	
	09-08-10-29	5184	125.0 - 905.0	410.0 - 2968.4	4	Tundra Daly	
	09-08-10-29	5184	125.0 - 905.0	410.0 - 2968.4	4	Tundra Daly	
6A	03-06-07-29	5143	155.0 - 1120.0	508.4 - 3673.6	5	Tundra Sinclair Prov.	
	10-05-01-24	5198	840.0 - 964.0	2755.2 - 3161.9	1	EOG Waskada	
	14-08-01-24	5176	780.0 - 953.0	2558.4 - 3125.8	1	EOG Waskada	
6B	02-07-01-24	5189	820.0 - 955.0	2689.6 - 3132.4	1	EOG Waskada	
	04-08-01-24	5200	820.0 - 963.0	2689.6 - 3158.6	1	EOG Waskada	
	06-16-01-24	5186	825.0 - 955.0	2706.0 - 3132.4	1	EOG Waskada Prov.	
	02-08-01-24	5199	820.0 - 959.0	2689.6 - 3145.5	1	EOG Waskada	
	03-33-08-24	5193	500.0 - 1490.0	1640.0 - 4887.2	3	Compton Oak Lake Prov. DIR	
	16-07-01-24	5191	790.0 - 955.0	2591.2 - 3132.4	1	EOG Waskada	
	06-17-01-24	5192	820.0 - 952.0	2689.6 - 3122.6	1	EOG Waskada	
	06-17-01-24	5192	820.0 - 952.0	2689.6 - 3122.6	1	EOG Waskada	
	16-05-01-24	5162	845.0 - 965.0	2771.6 - 3165.2	1	EOG Waskada	



**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
237	6C	06-07-01-24	5209	820.0 - 950.0	2689.6 - 3116.0	1	EOG Waskada COM
		08-17-01-24	5187	830.0 - 963.0	2722.4 - 3158.6	1	EOG Waskada
		08-17-01-24	5187	830.0 - 963.0	2722.4 - 3158.6	1	EOG Waskada
		06-08-01-24	5175	780.0 - 964.0	2558.4 - 3161.9	1	EOG Waskada
		06-07-01-24	5209	820.0 - 950.0	2689.6 - 3116.0	1	EOG Waskada COM
		08-06-01-24	5207	780.0 - 957.0	2558.4 - 3139.0	1	EOG Waskada
		12-05-01-24	5205	820.0 - 960.0	2689.6 - 3148.8	1	EOG Waskada
		12-04-01-24	5204	820.0 - 967.0	2689.6 - 3171.8	1	EOG Waskada
		16-17-01-24	5211	820.0 - 950.0	2689.6 - 3116.0	1	EOG Waskada
		14-17-01-24	5210	780.0 - 938.0	2558.4 - 3076.6	1	EOG Waskada
		06-15-03-29	5237	885.0 - 1055.0	2902.8 - 3460.4	1	Rideau Pierson
	06-03-07-27	5212	715.0 - 825.0	2345.2 - 2706.0	1	New Midland Reston	
	AT	08-05-10-29	8146	860.0 - 2160.0	2820.8 - 7084.8	3	Tundra Daly Sinclair HZNTL
		15-30-01-27	8270	885.0 - 1653.0	2902.8 - 5421.8	4	Atikwa Coulter HZNTL
		A16-32-08-29	8163	905.0 - 2380.0	2968.4 - 7806.4	4	Tundra Daly Sinclair Prov. HZNTL
		01-21-07-28	8152	825.0 - 2476.0	2706.0 - 8121.3	4	Tundra Daly Sinclair HZNTL
	BT	13-20-10-29	8113	785.0 - 1950.0	2574.8 - 6396.0	3	Tundra Daly Sinclair HZNTL
		A04-19-10-28	8140	795.0 - 2226.0	2607.6 - 7301.3	4	Tundra Daly Sinclair HZNTL
		A05-07-07-28	8128	830.0 - 2391.6	2722.4 - 7844.4	4	Sinclair Unit No. 2 HZNTL
		12-22-10-29	8121	755.0 - 2375.0	2476.4 - 7790.0	4	Tundra Daly Sinclair HZNTL
CT	08-08-07-28	8129	835.0 - 2516.0	2738.8 - 8252.5	5	Sinclair Unit No. 2 HZNTL	
	13-23-01-28	8247	890.0 - 2502.0	2919.2 - 8206.6	8	Atikwa Pierson HZNTL	
	03-20-02-29	8050	970.0 - 2125.0	3181.6 - 6970.0	3	South Pierson Unit No. 2 HZNTL	
238	1A	10-34-01-25	5221	825.0 - 953.0	2706.0 - 3125.8	1	Waskada Unit No. 19 Prov. WIW
		10-08-01-24	5227	840.0 - 968.0	2755.2 - 3175.0	1	EOG Waskada
		A15-09-02-29	5245	150.0 - 1032.0	492.0 - 3385.0	1	South Pierson Unit No. 1
		04-27-02-09	5213	135.0 - 890.0	442.8 - 2919.2	4	New Midland et al Manitou
		10-04-01-24	5226	840.0 - 975.0	2755.2 - 3198.0	1	EOG Waskada
		A13-16-02-29	5857	980.0 - 1030.0	3214.4 - 3378.4	1	South Pierson Unit No. 1 Prov.
		12C-16-02-29	5856	950.0 - 1030.0	3116.0 - 3378.4	1	South Pierson Unit No. 1 Prov.
	1B	05C-16-02-29	5852	940.0 - 1035.0	3083.2 - 3394.8	1	South Pierson Unit No. 1 Prov.
		15B-16-02-29	5860	940.0 - 1027.0	3083.2 - 3368.6	1	South Pierson Unit No. 1 Prov.
		01-17-03-28	4972	800.0 - 1694.0	2624.0 - 5556.3	4	ARL Pierson HZNTL
		08-31-10-28	5196	690.0 - 875.0	2263.2 - 2870.0	2	Mountcliff Daly
		08-13-10-29	5202	700.0 - 895.0	2296.0 - 2935.6	2	Kiwi Daly
		08-13-10-29	5202	700.0 - 895.0	2296.0 - 2935.6	2	Kiwi Daly
	1C	12-09-02-29	4045	1130.0 - 1632.0	3706.4 - 5353.0	2	Home Scurry S. Pierson
		12-09-02-29	4045	1130.0 - 1632.0	3706.4 - 5353.0	2	Home Scurry S. Pierson
		07-25-02-29	3265	800.0 - 1686.0	2624.0 - 5530.1	4	Lyleton et al S. Pierson
		07-25-02-29	3265	800.0 - 1686.0	2624.0 - 5530.1	4	Lyleton et al S. Pierson
		B03-16-02-29	5247	400.0 - 1034.0	1312.0 - 3391.5	1	South Pierson Unit No. 1 Prov.
		A16-09-02-29	5246	500.0 - 1033.0	1640.0 - 3388.2	1	South Pierson Unit No. 1

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
238	1C	13-11-02-29	5244	380.0 - 1027.0	1246.4 - 3368.6	1	CNRL Pierson Prov.
	2A	11-07-07-29	5195	145.0 - 1095.0	475.6 - 3591.6	4	Tundra Sinclair
		05-14-06-22	5241	650.0 - 1420.0	2132.0 - 4657.6	3	Tundra Souris Hartney HZNTL
		05-14-06-22	5241	650.0 - 1420.0	2132.0 - 4657.6	3	Tundra Souris Hartney HZNTL
		A09-33-02-21	5242	750.0 - 1710.0	2460.0 - 5608.8	3	Tundra Whitewater HZNTL
		11B-16-02-29	5887	950.0 - 1030.0	3116.0 - 3378.4	1	South Pierson Unit No. 1 Prov.
		A10-16-02-29	5853	940.0 - 1026.0	3083.2 - 3365.3	1	South Pierson Unit No. 1 Prov.
		2B	12-15-01-24	5218	850.0 - 950.0	2788.0 - 3116.0	1
	13-09-01-24		5217	875.0 - 940.0	2870.0 - 3083.2	1	Tundra Waskada
	02-14-09-25		5224	715.0 - 1730.0	2345.2 - 5674.4	4	E. Routledge Unit No. 1 HZNTL
	02-14-09-25		5224	715.0 - 1730.0	2345.2 - 5674.4	4	E. Routledge Unit No. 1 HZNTL
	05-12-09-25		2251	580.0 - 1560.0	1902.4 - 5116.8	4	Samendan E. Routledge
	2C	09-10-09-25	1967	575.0 - 1560.0	1886.0 - 5116.8	4	Samedan West Routledge
	3A	14-20-11-26	5251	600.0 - 1284.0	1968.0 - 4211.5	3	Tundra et al Virden HZNTL
		14-20-11-26	5251	600.0 - 1284.0	1968.0 - 4211.5	3	Tundra et al Virden HZNTL
	3B	16-24-10-29	5294	725.0 - 860.0	2378.0 - 2820.8	2	Tundra Daly
		13-02-09-25	5250	600.0 - 1728.0	1968.0 - 5667.8	5	Tundra Virden HZNTL
		13-02-09-25	5250	600.0 - 1728.0	1968.0 - 5667.8	5	Tundra Virden HZNTL
		10-11-09-25	5248	600.0 - 1540.0	1968.0 - 5051.2	4	E. Routledge Unit No. 1 HZNTL
		10-11-09-25	5248	600.0 - 1540.0	1968.0 - 5051.2	4	E. Routledge Unit No. 1 HZNTL
	3C	16-08-08-28	5292	140.0 - 950.0	459.2 - 3116.0	4	Sinclair Unit No. 12
		16-08-08-28	5292	140.0 - 950.0	459.2 - 3116.0	4	Sinclair Unit No. 12
		14-10-01-24	5272	760.0 - 929.0	2492.8 - 3047.1	1	Tundra Waskada
09-09-08-29		5285	200.0 - 1005.0	656.0 - 3296.4	4	Tundra South Ebor	
16-09-01-24		5280	760.0 - 953.0	2492.8 - 3125.8	1	Tundra Waskada	
01-16-01-24		5274	760.0 - 929.0	2492.8 - 3047.1	1	Tundra Waskada	
4A	12-09-01-24	5291	760.0 - 921.0	2492.8 - 3020.9	1	Tundra Waskada	
	04-22-07-29	5271	185.0 - 1045.0	606.8 - 3427.6	4	Tundra Sinclair	
	11-09-01-24	5288	760.0 - 926.0	2492.8 - 3037.3	1	Tundra Waskada	
	08-16-01-24	5281	760.0 - 923.0	2492.8 - 3027.4	1	Tundra Waskada	
	10-20-10-28	5295	725.0 - 835.0	2378.0 - 2738.8	2	Tundra Daly	
	10-20-10-28	5295	725.0 - 835.0	2378.0 - 2738.8	2	Tundra Daly	
	16C-10-01-24	5273	760.0 - 931.5	2492.8 - 3055.3	1	Goodlands Unit No. 1	
4B	06-09-01-24	5287	760.0 - 921.5	2492.8 - 3022.5	1	Tundra Waskada	
	09-09-01-24	5277	760.0 - 928.0	2492.8 - 3043.8	1	Tundra Waskada	
	01-04-08-29	5302	200.0 - 1020.0	656.0 - 3345.6	4	Tundra South Ebor Prov.	
	04-28-07-29	5303	180.0 - 1045.0	590.4 - 3427.6	4	Tundra Sinclair Prov.	
4C	10-09-01-24	5278	760.0 - 928.5	2492.8 - 3045.5	1	Tundra Waskada	
	13-25-06-29	5284	135.0 - 1047.0	442.8 - 3434.2	4	Tundra Tilston	
	02-09-01-24	5296	760.0 - 920.5	2492.8 - 3019.2	1	Tundra Waskada	
	08-25-07-29	5309	145.0 - 995.0	475.6 - 3263.6	4	Tundra Sinclair	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
238	5A	01-09-01-24	5290	800.0 - 928.0	2624.0 - 3043.8	1	Tundra Waskada
		04-10-01-24	5301	760.0 - 927.0	2492.8 - 3040.6	1	Tundra Waskada
		14-09-01-24	5289	760.0 - 922.0	2492.8 - 3024.2	1	Tundra Waskada
		03-10-01-24	5300	760.0 - 930.0	2492.8 - 3050.4	1	Tundra Waskada
		07-09-01-24	5293	760.0 - 930.0	2492.8 - 3050.4	1	Tundra Waskada
		03-01-11-25	5262	145.0 - 632.0	475.6 - 2073.0	2	Postell PDVL et al Lenore
		03-02-12-26	5261	150.0 - 639.0	492.0 - 2095.9	2	Postell PDVL et al Virden
	5B	07-14-01-24	5321	760.0 - 929.0	2492.8 - 3047.1	1	Tundra Waskada
		14A-14-01-24	5323	760.0 - 922.0	2492.8 - 3024.2	1	Tundra Waskada
		16-14-01-24	5325	760.0 - 948.0	2492.8 - 3109.4	1	Tundra Waskada
		02-10-01-24	5304	760.0 - 930.0	2492.8 - 3050.4	1	Tundra Waskada
		07-15-01-24	5320	760.0 - 955.0	2492.8 - 3132.4	1	Tundra Waskada
		09-15-01-24	5315	760.0 - 925.0	2492.8 - 3034.0	1	Tundra Waskada
		08C-10-01-24	5305	760.0 - 929.5	2492.8 - 3048.8	1	Goodlands Unit No. 1
		06-15-01-24	5319	760.0 - 930.0	2492.8 - 3050.4	1	Tundra Waskada
	5C	11-12-09-25	5318	560.0 - 808.8	1836.8 - 2652.9	2	Tundra Virden
		11-15-01-24	5316	760.0 - 925.0	2492.8 - 3034.0	1	Tundra Waskada
		14-18-03-28	5298	900.0 - 1930.0	2952.0 - 6330.4	5	Tundra et al Pierson HZNTL
		14-18-03-28	5298	900.0 - 1930.0	2952.0 - 6330.4	5	Tundra et al Pierson HZNTL
		14-18-03-28	5298	900.0 - 1930.0	2952.0 - 6330.4	5	Tundra et al Pierson HZNTL
		15-14-01-24	5324	760.0 - 928.5	2492.8 - 3045.5	1	Tundra Waskada
	6A	07-04-01-24	5314	760.0 - 924.0	2492.8 - 3030.7	1	Tundra Waskada Prov.
		09-05-03-21	5339	575.0 - 870.0	1886.0 - 2853.6	2	Tundra Whitewater
A04-20-03-21		5311	700.0 - 1726.0	2296.0 - 5661.3	4	Tundra Whitewater Prov. HZNTL	
A04-20-03-21		5311	700.0 - 1726.0	2296.0 - 5661.3	4	Tundra Whitewater Prov. HZNTL	
07-20-10-28		5317	685.0 - 1502.0	2246.8 - 4926.6	4	Tundra et al Daly Prov. HZNTL	
07-20-10-28		5317	685.0 - 1502.0	2246.8 - 4926.6	4	Tundra et al Daly Prov. HZNTL	
6B	01-08-01-24	5332	800.0 - 954.0	2624.0 - 3129.1	1	EOG Waskada	
	11-14-01-24	5322	760.0 - 921.0	2492.8 - 3020.9	1	Tundra Waskada	
	01-04-01-24	5312	760.0 - 926.0	2492.8 - 3037.3	1	Tundra Waskada Prov.	
	08-04-01-24	5310	760.0 - 925.0	2492.8 - 3034.0	1	Tundra Waskada Prov.	
	05-35-02-24	5342	140.0 - 925.0	459.2 - 3034.0	4	Tundra Goodlands	
	05-04-01-24	5307	760.0 - 945.0	2492.8 - 3099.6	1	Tundra Waskada	
	06-04-01-24	5308	760.0 - 919.0	2492.8 - 3014.3	1	Tundra Waskada	
6C	04-09-01-24	5297	760.0 - 920.0	2492.8 - 3017.6	1	Tundra Waskada	
	03-08-01-24	5333	800.0 - 953.0	2624.0 - 3125.8	1	EOG Waskada	
	15-05-01-24	5331	800.0 - 953.0	2624.0 - 3125.8	1	EOG Waskada	
	09-05-01-24	5328	800.0 - 959.0	2624.0 - 3145.5	1	EOG Waskada	
	05-36-01-25	5338	750.0 - 935.0	2460.0 - 3066.8	1	EOG Waskada	
	09-08-01-24	5335	800.0 - 960.0	2624.0 - 3148.8	1	EOG Waskada	
A3	15-30-01-28	7486	950.0 - 1706.0	3116.0 - 5595.7	2	Molopo Pierson HZNTL	
	13-22-15-27	8298	500.0 - 1128.0	1640.0 - 3699.8	3	CPEC Birdtail HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
238	A3	14-06-06-29	8406	535.0 - 1169.0	1754.8 - 3834.3	3	Clampett Tilston Prov.
	AT	05-06-10-29	8076	800.0 - 2423.0	2624.0 - 7947.4	4	Tundra Daly Sinclair Prov. HZNTL
		04-30-09-29	8367	750.0 - 2293.0	2460.0 - 7521.0	4	T. Bird et al Daly Sinclair Prov. HZNTL
		04-16-11-29	8312	665.0 - 2342.0	2181.2 - 7681.8	4	T. Bird South Kirkella HZNTL
		13-21-11-29	8296	615.0 - 2160.0	2017.2 - 7084.8	4	T. Bird South Kirkella HZNTL
	BT	04-30-07-28	8067	815.0 - 2365.0	2673.2 - 7757.2	4	Sinclair Unit No. 2 HZNTL
		A12-28-08-29	8239	810.0 - 2270.0	2656.8 - 7445.6	4	Sinclair Unit No. 6 HZNTL
		04-18-10-29	7924	765.0 - 2225.0	2509.2 - 7298.0	4	Tundra Daly Sinclair HZNTL
		16-30-07-28	8068	820.0 - 2051.0	2689.6 - 6727.3	3	Sinclair Unit No. 2 HZNTL
	C2	13-30-02-28	8309	920.0 - 1710.0	3017.6 - 5608.8	2	CNRL et al Pierson HZNTL
		05-15-01-28	7403	210.0 - 1056.0	688.8 - 3463.7	4	Molopo South Pierson HZNTL
		05-15-01-28	7403	210.0 - 1056.0	688.8 - 3463.7	4	Molopo South Pierson HZNTL
		08-14-02-29	6875	930.0 - 1014.5	3050.4 - 3327.6	1	CNRL Pierson Prov.
	C6	01-19-08-28	7405	810.0 - 2452.0	2656.8 - 8042.6	4	Tundra Daly Sinclair HZNTL
	CT	05-32-07-29	8363	860.0 - 2508.0	2820.8 - 8226.2	4	Tundra Daly Sinclair HZNTL
		05-09-09-29	8364	815.0 - 2251.0	2673.2 - 7383.3	4	Tundra Daly Sinclair HZNTL
		13-09-09-29	8374	805.0 - 2448.0	2640.4 - 8029.4	4	Tundra Daly Sinclair HZNTL
		01-13-09-29	8411	790.0 - 2286.0	2591.2 - 7498.1	4	Tundra Daly Sinclair HZNTL
	239	1A	10-17-01-24	5337	400.0 - 577.0	1312.0 - 1892.6	1
16-20-10-28			5348	650.0 - 1485.0	2132.0 - 4870.8	4	Tundra et al Daly HZNTL
16-20-10-28			5348	650.0 - 1485.0	2132.0 - 4870.8	4	Tundra et al Daly HZNTL
15-08-01-24			5336	800.0 - 957.0	2624.0 - 3139.0	2	EOG Waskada
11-05-01-24			5329	800.0 - 953.0	2624.0 - 3125.8	2	EOG Waskada
07-08-01-24			5334	800.0 - 952.0	2624.0 - 3122.6	2	EOG Waskada
1B		16-11-09-25	5345	550.0 - 1603.0	1804.0 - 5257.8	5	Tundra Virden Prov. HZNTL
		16-11-09-25	5345	550.0 - 1603.0	1804.0 - 5257.8	5	Tundra Virden Prov. HZNTL
		16-11-09-25	5345	550.0 - 1603.0	1804.0 - 5257.8	5	Tundra Virden Prov. HZNTL
		05-15-01-24	5341	760.0 - 948.0	2492.8 - 3109.4	1	Tundra Waskada
		13D-11-01-24	5340	805.0 - 977.5	2640.4 - 3206.2	1	Goodlands Unit No. 1 Prov. DIR
		04-04-01-24	5306	760.0 - 918.5	2492.8 - 3012.7	1	Tundra Waskada
		12-09-08-29	5356	350.0 - 1020.0	1148.0 - 3345.6	2	Tundra South Ebor
		03-09-01-24	5286	760.0 - 918.0	2492.8 - 3011.0	1	Tundra Waskada
1C		03-04-01-24	5313	760.0 - 924.0	2492.8 - 3030.7	1	Tundra Waskada
		16-18-07-28	5350	140.0 - 990.0	459.2 - 3247.2	4	Tundra Linklater Prov.
		11-11-08-29	5353	140.0 - 980.0	459.2 - 3214.4	2	Tundra South Ebor Prov.
		04-09-08-29	5355	350.0 - 1030.0	1148.0 - 3378.4	2	Tundra South Ebor
1D		03-24-07-29	5352	140.0 - 1020.0	459.2 - 3345.6	4	Tundra Sinclair Prov.
		12-04-08-29	5359	350.0 - 1030.0	1148.0 - 3378.4	2	Tundra South Ebor Prov.
		02-28-08-29	5354	135.0 - 1007.0	442.8 - 3303.0	4	Tundra South Ebor Prov.
	08-26-07-29	5361	140.0 - 1005.0	459.2 - 3296.4	2	Tundra Sinclair	
	13-05-01-24	5330	800.0 - 955.0	2624.0 - 3132.4	2	EOG Waskada	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
239	2A	09-16-08-29	5366	140.0 - 1005.0	459.2 - 3296.4	4	Tundra South Ebor Prov.
		09-33-07-29	5364	140.0 - 1030.0	459.2 - 3378.4	4	Tundra Sinclair
		13-20-07-28	5351	140.0 - 975.0	459.2 - 3198.0	4	Tundra Linklater Prov.
	2B	01-16-08-29	5375	850.0 - 1005.0	2788.0 - 3296.4	1	Tundra South Ebor
		14-34-06-29	5378	140.0 - 1049.0	459.2 - 3440.7	4	Grand Banks Tilston Prov.
		04-04-08-29	5368	140.0 - 1030.0	459.2 - 3378.4	5	Tundra South Ebor Prov.
		12-16-08-29	5386	860.0 - 1010.0	2820.8 - 3312.8	1	Tundra South Ebor Prov.
		12-33-07-29	5365	875.0 - 1045.0	2870.0 - 3427.6	1	Tundra Sinclair
	2C	09-04-08-29	5373	865.0 - 1016.5	2837.2 - 3334.1	1	Tundra South Ebor Prov.
		13-10-02-24	5363	155.0 - 925.0	508.4 - 3034.0	3	New Midland Goodlands
		04-16-08-29	5369	140.0 - 1020.0	459.2 - 3345.6	4	Tundra South Ebor
		14-11-07-29	5379	145.0 - 1040.0	475.6 - 3411.2	4	Grand Banks Sinclair Prov.
	2D	01-09-08-29	5374	850.0 - 1010.5	2788.0 - 3314.4	1	Tundra South Ebor
		12-02-09-25	5360	620.0 - 1260.0	2033.6 - 4132.8	2	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	620.0 - 1260.0	2033.6 - 4132.8	2	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	620.0 - 1260.0	2033.6 - 4132.8	2	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	760.0 - 1230.0	2492.8 - 4034.4	2	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	760.0 - 1230.0	2492.8 - 4034.4	2	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	760.0 - 1230.0	2492.8 - 4034.4	2	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	870.0 - 1299.0	2853.6 - 4260.7	1	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	870.0 - 1299.0	2853.6 - 4260.7	1	Tundra Virden Prov. HZNTL
		12-02-09-25	5360	870.0 - 1299.0	2853.6 - 4260.7	1	Tundra Virden Prov. HZNTL
		14-16-07-28	5409	825.0 - 985.0	2706.0 - 3230.8	1	Tundra Sinclair Prov.
	09-06-08-28	5407	145.0 - 968.0	475.6 - 3175.0	4	Tundra Daly Prov.	
	3A	02-32-07-28	5411	125.0 - 978.0	410.0 - 3207.8	4	Tundra Sinclair Prov.
		13-17-08-29	5403	160.0 - 1029.0	524.8 - 3375.1	4	Tundra Sinclair
		12-12-08-29	5397	135.0 - 982.0	442.8 - 3221.0	4	Tundra Sinclair
3B	02-17-08-29	5396	140.0 - 1020.0	459.2 - 3345.6	4	Tundra Sinclair	
	09-36-07-29	5415	125.0 - 870.0	410.0 - 2853.6	4	Tundra Sinclair Prov.	
	04-34-07-28	5423	130.0 - 980.0	426.4 - 3214.4	4	Tundra Sinclair Prov.	
3C	09-34-07-29	5414	140.0 - 1010.0	459.2 - 3312.8	4	Tundra Sinclair Prov.	
3D	04-09-08-27	5425	390.0 - 940.0	1279.2 - 3083.2	4	Tundra Daly	
	02-26-08-29	5429	130.0 - 975.0	426.4 - 3198.0	4	Tundra Sinclair	
3c	04-17-08-29	5402	350.0 - 1027.5	1148.0 - 3370.2	3	Tundra Sinclair	
	01-07-05-29	5432	140.0 - 1191.0	459.2 - 3906.5	5	Tundra Tilston	
4A	01-02-08-29	5410	140.0 - 995.0	459.2 - 3263.6	4	Tundra Sinclair Prov.	
	10-18-08-29	5421	150.0 - 1025.0	492.0 - 3362.0	4	Tundra Sinclair Prov.	
4B	05C-09-02-29	5446	850.0 - 1038.0	2788.0 - 3404.6	1	South Pierson Unit No. 1	
	A05-09-02-29	5445	850.0 - 1035.0	2788.0 - 3394.8	1	South Pierson Unit No. 1	
	02D-09-02-29	5443	875.0 - 1033.0	2870.0 - 3388.2	1	South Pierson Unit No. 1	
	14-28-08-29	5426	850.0 - 995.0	2788.0 - 3263.6	1	Tundra Sinclair Prov.	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
239	4B	04A-09-02-29	5477	850.0 - 1037.5	2788.0 - 3403.0	1	South Pierson Unit No. 1
		A08-16-02-29	5455	850.0 - 1026.2	2788.0 - 3365.9	1	South Pierson Unit No. 1 Prov.
		02B-17-02-29	5457	850.0 - 1037.0	2788.0 - 3401.4	1	South Pierson Unit No. 1
		14-32-07-29	5499	875.0 - 1035.0	2870.0 - 3394.8	1	Tundra Sinclair
		07B-09-02-29	5447	850.0 - 1037.0	2788.0 - 3401.4	1	South Pierson Unit No. 1
		04C-09-02-29	5435	850.0 - 1037.2	2788.0 - 3402.0	1	South Pierson Unit No. 1
		07B-16-02-29	5438	850.0 - 1030.0	2788.0 - 3378.4	1	South Pierson Unit No. 1 Prov.
	4C		03-15-08-29	5419	775.0 - 1000.0	2542.0 - 3280.0	2
		04-05-08-29	5467	875.0 - 1045.0	2870.0 - 3427.6	1	Tundra Sinclair
		02-05-08-29	5466	150.0 - 1030.0	492.0 - 3378.4	4	Tundra Sinclair
		11-08-08-29	5502	1105.0 - 2002.0	3624.4 - 6566.6	2	Tundra Sinclair HZNTL
		11-08-08-29	5502	1105.0 - 2002.0	3624.4 - 6566.6	2	Tundra Sinclair HZNTL
		11-08-08-29	5502	1600.0 - 1888.0	5248.0 - 6192.6	1	Tundra Sinclair HZNTL
		11-08-08-29	5502	1600.0 - 1888.0	5248.0 - 6192.6	1	Tundra Sinclair HZNTL
		02-23-09-29	5267	755.0 - 840.0	2476.4 - 2755.2	1	Rideau Daly
4D		02-06-08-29	5488	875.0 - 1050.0	2870.0 - 3444.0	1	Tundra Sinclair Prov.
		15-32-09-29	5270	750.0 - 1159.0	2460.0 - 3801.5	3	Rideau Daly Prov. COM
		15-32-09-29	5270	750.0 - 1159.0	2460.0 - 3801.5	3	Rideau Daly Prov. COM
		03B-17-02-29	5458	850.0 - 1040.0	2788.0 - 3411.2	1	South Pierson Unit No. 1
4d		05-14-08-29	5491	425.0 - 995.0	1394.0 - 3263.6	1	Rideau Sinclair Prov.
		13-03-08-29	5461	450.0 - 1014.0	1476.0 - 3325.9	3	Rideau Sinclair
5A		02-28-09-29	5259	760.0 - 930.0	2492.8 - 3050.4	2	Rideau Daly Prov.
		08-33-09-29	3843	690.0 - 874.0	2263.2 - 2866.7	2	Voyager et al Daly
		A14-26-09-29	5268	740.0 - 952.0	2427.2 - 3122.6	2	Rideau Daly DIR
		A14-26-09-29	5268	740.0 - 952.0	2427.2 - 3122.6	2	Rideau Daly DIR
		14-05-10-29	5269	740.0 - 896.0	2427.2 - 2938.9	2	Rideau Daly
		14-05-10-29	5269	740.0 - 896.0	2427.2 - 2938.9	2	Rideau Daly
		09-10-08-29	5343	775.0 - 1020.0	2542.0 - 3345.6	2	Rideau South Ebor
		16-21-09-29	5265	760.0 - 940.0	2492.8 - 3083.2	2	Rideau Daly
		16-21-09-29	5265	760.0 - 940.0	2492.8 - 3083.2	2	Rideau Daly
		01-33-09-28	5275	685.0 - 879.0	2246.8 - 2883.1	2	Kiwi Daly
5B		01-33-09-28	5275	685.0 - 879.0	2246.8 - 2883.1	2	Kiwi Daly
		04B-16-02-29	5451	850.0 - 1033.0	2788.0 - 3388.2	1	South Pierson Unit No. 1 Prov.
		05-08-10-28	5282	695.0 - 866.0	2279.6 - 2840.5	1	Kiwi Daly
		03-33-09-29	5266	755.0 - 910.0	2476.4 - 2984.8	1	Rideau Daly
		03-33-09-29	5266	755.0 - 910.0	2476.4 - 2984.8	1	Rideau Daly
		01B-17-02-29	5456	850.0 - 1036.0	2788.0 - 3398.1	1	South Pierson Unit No. 1
		16-10-08-29	5344	775.0 - 990.0	2542.0 - 3247.2	2	Rideau South Ebor
		14-14-09-29	5263	750.0 - 935.0	2460.0 - 3066.8	2	Rideau Daly
		14-14-09-29	5263	750.0 - 935.0	2460.0 - 3066.8	2	Rideau Daly
		05-08-10-28	5282	695.0 - 866.0	2279.6 - 2840.5	1	Kiwi Daly
	A13-09-02-29	5449	850.0 - 1033.5	2788.0 - 3389.9	1	South Pierson Unit No. 1	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
239	5B	03-30-02-29	5500	850.0 - 1033.5	2788.0 - 3389.9	1	CNRL Pierson
		01-03-08-29	5416	775.0 - 1005.0	2542.0 - 3296.4	2	Rideau Sinclair
	5C	08B-16-02-29	5454	850.0 - 1027.6	2788.0 - 3370.5	1	South Pierson Unit No. 1 Prov.
		05D-17-02-29	5891	975.0 - 1030.0	3198.0 - 3378.4	1	South Pierson Unit No.1
		06B-16-02-29	5453	850.0 - 1032.0	2788.0 - 3385.0	1	South Pierson Unit No. 1 Prov.
		04C-16-02-29	5452	850.0 - 1030.0	2788.0 - 3378.4	1	South Pierson Unit No. 1 Prov.
		13B-09-02-29	5437	850.0 - 1035.0	2788.0 - 3394.8	1	South Pierson Unit No. 1
		12B-17-02-29	5893	975.0 - 1030.0	3198.0 - 3378.4	1	South Pierson Unit No. 1
		A09-09-02-29	5439	850.0 - 1028.5	2788.0 - 3373.5	1	South Pierson Unit No. 1
		15C-04-02-29	5441	850.0 - 1038.0	2788.0 - 3404.6	1	South Pierson Unit No. 1
		04D-09-02-29	5444	850.0 - 1036.7	2788.0 - 3400.4	1	South Pierson Unit No. 1
		16C-09-02-29	5450	850.0 - 1029.0	2788.0 - 3375.1	1	South Pierson Unit No. 1
		11B-09-02-29	5436	850.0 - 1032.0	2788.0 - 3385.0	1	South Pierson Unit No. 1
	AT	16-10-08-29	7325	845.0 - 2218.0	2771.6 - 7275.0	4	Sinclair Unit No. 3 HZNTL
		12-04-07-28	8065	820.0 - 2066.0	2689.6 - 6776.5	4	Sinclair Unit No. 2 Prov. HZNTL
		06-20-02-29	8051	950.0 - 2144.0	3116.0 - 7032.3	3	South Pierson Unit No. 2 HZNTL
		05-19-02-29	8048	970.0 - 1873.0	3181.6 - 6143.4	3	South Pierson Unit No. 2 HZNTL
		16-05-07-28	8043	835.0 - 1966.0	2738.8 - 6448.5	3	Sinclair Unit No. 2 HZNTL
	BT	A13-29-08-28	8217	830.0 - 2311.0	2722.4 - 7580.1	4	Tundra Daly Sinclair Prov. HZNTL
		B12-36-08-29	8184	750.0 - 2302.0	2460.0 - 7550.6	4	Tundra Daly Sinclair Prov. HZNTL
		A05-36-08-29	8182	750.0 - 2320.0	2460.0 - 7609.6	4	Tundra Daly Sinclair Prov. HZNTL
		12-13-09-29	7901	785.0 - 2431.0	2574.8 - 7973.7	4	Tundra Daly Sinclair HZNTL
		03-08-02-25	7860	870.0 - 1693.0	2853.6 - 5553.0	3	Waskada Unit No. 8 HZNTL
		10-35-01-28	8263	790.0 - 1690.0	2591.2 - 5543.2	3	618555 Pierson HZNTL
	CT	03-11-09-28	8141	700.0 - 2391.0	2296.0 - 7842.5	7	Magellan et al Daly Sinclair Prov. HZNTL
		07-05-02-28	8297	930.0 - 1730.0	3050.4 - 5674.4	4	618555 Pierson HZNTL
		A12-36-08-29	8183	775.0 - 2305.0	2542.0 - 7560.4	4	Tundra Daly Sinclair Prov. HZNTL
07-05-02-28		8297	930.0 - 1730.0	3050.4 - 5674.4	4	618555 Pierson HZNTL	
DT	15-19-16-27	8045	500.0 - 1209.0	1640.0 - 3965.5	3	Kinwest 08 Mariner Birdtail HZNTL	
	A15-01-01-26	8372	850.0 - 1718.0	2788.0 - 5635.0	3	Waskada Unit No. 6 HZNTL WIW	
	10-24-10-29	8027	940.0 - 2295.0	3083.2 - 7527.6	3	Tundra Daly Sinclair HZNTL	
	02-07-03-21	8434	225.0 - 880.0	738.0 - 2886.4	3	Tundra Whitewater	
	03-12-01-26	8370	850.0 - 2088.0	2788.0 - 6848.6	3	Waskada Unit No. 6 HZNTL	
240	1A	09-27-08-29	5512	145.0 - 390.0	475.6 - 1279.2	1	Tundra Sinclair
		09-27-08-29	5512	645.0 - 890.0	2115.6 - 2919.2	1	Tundra Sinclair
		13-12-07-29	5479	150.0 - 1025.0	492.0 - 3362.0	4	Grand Banks Sinclair Prov.
	15B-17-02-29	5863	975.0 - 1031.6	3198.0 - 3383.6	1	South Pierson Unit No. 1	
		07B-17-02-29	5862	975.0 - 1034.0	3198.0 - 3391.5	1	South Pierson Unit No. 1
	1B	11-14-07-29	5481	150.0 - 1035.0	492.0 - 3394.8	4	Grand Banks Sinclair Prov.
		13-19-08-29	5532	865.0 - 1025.0	2837.2 - 3362.0	1	Tundra Sinclair
		16B-17-02-29	5864	975.0 - 1031.0	3198.0 - 3381.7	1	South Pierson Unit No. 1
		11-10-09-28	5496	350.0 - 1600.0	1148.0 - 5248.0	7	Aspen Daly Prov. HZNTL

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
240	1B	11-10-09-28	5496	350.0 - 1600.0	1148.0 - 5248.0	7	Aspen Daly Prov. HZNTL
		06D-17-02-29	5861	975.0 - 1034.0	3198.0 - 3391.5	1	South Pierson Unit No. 1
	1C	11-10-09-28	5496	350.0 - 1600.0	1148.0 - 5248.0	7	Aspen Daly Prov. HZNTL
		11-10-09-28	5496	350.0 - 1600.0	1148.0 - 5248.0	7	Aspen Daly Prov. HZNTL
	2A	15-30-09-28	5523	645.0 - 1222.0	2115.6 - 4008.2	5	Aspen Daly Prov. HZNTL
		15-30-09-28	5523	645.0 - 1222.0	2115.6 - 4008.2	5	Aspen Daly Prov. HZNTL
		05-29-10-28	5518	870.0 - 1464.0	2853.6 - 4801.9	3	Platform Daly Prov. HZNTL
		05-29-10-28	5518	870.0 - 1464.0	2853.6 - 4801.9	3	Platform Daly Prov. HZNTL
		05-29-10-28	5518	890.0 - 1496.0	2919.2 - 4906.9	3	Platform Daly Prov. HZNTL
	2B	05-29-10-28	5518	890.0 - 1496.0	2919.2 - 4906.9	3	Platform Daly Prov. HZNTL
		14-11-09-28	5535	585.0 - 1684.0	1918.8 - 5523.5	5	Aspen Daly Prov. HZNTL
		06-08-03-21	5641	750.0 - 875.0	2460.0 - 2870.0	1	Tundra Whitewater
		05-04-03-21	5507	140.0 - 635.0	459.2 - 2082.8	2	Tundra Whitewater HZNTL
		05-04-03-21	5507	140.0 - 635.0	459.2 - 2082.8	2	Tundra Whitewater HZNTL
		05-04-03-21	5507	140.0 - 635.0	459.2 - 2082.8	2	Tundra Whitewater HZNTL
		14-11-09-28	5535	585.0 - 1684.0	1918.8 - 5523.5	5	Aspen Daly Prov. HZNTL
	2C	14-11-09-28	5535	885.0 - 1617.0	2902.8 - 5303.8	4	Aspen Daly Prov. HZNTL
		14-11-09-28	5535	885.0 - 1617.0	2902.8 - 5303.8	4	Aspen Daly Prov. HZNTL
		14-19-08-28	5472	400.0 - 957.0	1312.0 - 3139.0	3	Rideau Sinclair
	3A	09-21-08-29	5515	150.0 - 990.0	492.0 - 3247.2	4	Tundra Sinclair Prov.
		01-21-08-29	5513	150.0 - 1000.0	492.0 - 3280.0	4	Tundra Sinclair Prov.
	3B	03-22-04-29	5519	390.0 - 1135.0	1279.2 - 3722.8	5	Tundra South Tilston Prov.
		13-15-08-29	5541	425.0 - 1000.0	1394.0 - 3280.0	3	Rideau Sinclair
		09-19-08-29	5510	395.0 - 1030.0	1295.6 - 3378.4	4	Tundra Sinclair
3C	06-11-07-29	5517	150.0 - 1055.0	492.0 - 3460.4	4	Grand Banks Sinclair Prov.	
	13-11-07-29	5486	875.0 - 1978.0	2870.0 - 6487.8	5	Grand Banks Sinclair Prov. HZNTL	
	03-03-08-29	5398	140.0 - 1010.0	459.2 - 3312.8	4	Tundra Sinclair	
4A	13-35-01-25	5464	800.0 - 940.0	2624.0 - 3083.2	1	EOG Waskada	
	05-09-08-29	5555	1090.0 - 2447.0	3575.2 - 8026.2	3	Tundra Sinclair HZNTL	
	05-35-01-25	5462	150.0 - 943.0	492.0 - 3093.0	4	EOG Waskada	
4B	01-34-02-24	5522	965.0 - 1955.0	3165.2 - 6412.4	4	Tundra Goodlands Prov. HZNTL	
	01-34-02-24	5522	1075.0 - 1955.0	3526.0 - 6412.4	2	Tundra Goodlands Prov. HZNTL	
	01-34-02-24	5522	1075.0 - 1955.0	3526.0 - 6412.4	2	Tundra Goodlands Prov. HZNTL	
	01-34-02-24	5522	1075.0 - 1955.0	3526.0 - 6412.4	2	Tundra Goodlands Prov. HZNTL	
	01-34-02-24	5522	965.0 - 1955.0	3165.2 - 6412.4	4	Tundra Goodlands Prov. HZNTL	
	01-34-02-24	5522	965.0 - 1955.0	3165.2 - 6412.4	4	Tundra Goodlands Prov. HZNTL	
	12-16-03-20	5542	140.0 - 920.0	459.2 - 3017.6	4	Tundra Boissevain	
	06-34-01-25	5655	800.0 - 937.0	2624.0 - 3073.4	2	Waskada Unit No. 19	
4B	02-03-02-25	5615	800.0 - 940.0	2624.0 - 3083.2	2	EOG Waskada	
	04-34-01-25	5654	800.0 - 920.0	2624.0 - 3017.6	2	Waskada Unit No. 19	
	02-30-02-21	5606	145.0 - 940.0	475.6 - 3083.2	4	Tundra Whitewater	
	08-30-07-28	5823	800.0 - 995.0	2624.0 - 3263.6	1	Tundra Sinclair	



**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
240	4C	14-36-01-23	5624	160.0 - 996.0	524.8 - 3266.9	4	Tundra South Deloraine
		12-34-01-25	5634	800.0 - 941.0	2624.0 - 3086.5	2	Waskada Unit No. 19
	4b	04-20-08-29	5511	140.0 - 1027.0	459.2 - 3368.6	4	Tundra Sinclair
	5A	12-09-08-28	5678	140.0 - 955.0	459.2 - 3132.4	4	Tundra Daly
		05-19-07-28	5831	825.0 - 995.0	2706.0 - 3263.6	1	Tundra Sinclair
		05-28-01-25	5594	800.0 - 946.0	2624.0 - 3102.9	2	EOG Waskada Prov.
		08-19-11-26	5699	750.0 - 1550.0	2460.0 - 5084.0	2	Tundra Virden HZNTL
	5B	12-05-08-29	5469	140.0 - 1040.0	459.2 - 3411.2	4	Tundra Sinclair
		16-24-08-29	5431	130.0 - 980.0	426.4 - 3214.4	4	Tundra Sinclair Prov.
		16-24-08-29	5431	130.0 - 980.0	426.4 - 3214.4	4	Tundra Sinclair Prov.
	5C	02-09-08-28	5677	140.0 - 890.0	459.2 - 2919.2	4	Tundra Daly
		06-20-10-28	5631	600.0 - 1221.7	1968.0 - 4007.2	3	Platform et al Daly HZNTL
		06-20-10-28	5631	600.0 - 1221.7	1968.0 - 4007.2	3	Platform et al Daly HZNTL
		06-20-10-28	5631	765.0 - 1488.0	2509.2 - 4880.6	3	Platform et al Daly HZNTL
		06-20-10-28	5631	765.0 - 1488.0	2509.2 - 4880.6	3	Platform et al Daly HZNTL
	6A	B04-24-10-28	5722	645.0 - 840.0	2115.6 - 2755.2	1	Leader Daly
		B04-24-10-28	5722	645.0 - 840.0	2115.6 - 2755.2	1	Leader Daly
		04-23-08-29	5590	145.0 - 955.0	475.6 - 3132.4	4	Tundra Sinclair
		05-08-04-29	5694	430.0 - 1265.0	1410.4 - 4149.2	4	Connaught South Tilston
	6B	06-32-09-25	5650	435.0 - 1430.0	1426.8 - 4690.4	4	Routledge Unit No. 1 HZNTL
06-32-09-25		5650	435.0 - 1430.0	1426.8 - 4690.4	4	Routledge Unit No. 1 HZNTL	
6C	06-32-09-25	5650	1430.0 - 1601.0	4690.4 - 5251.3	1	Routledge Unit No. 1 HZNTL	
	06-32-09-25	5650	755.0 - 1618.0	2476.4 - 5307.0	4	Routledge Unit No. 1 HZNTL	
	06-32-09-25	5650	755.0 - 1618.0	2476.4 - 5307.0	4	Routledge Unit No. 1 HZNTL	
	06-32-09-25	5650	1430.0 - 1601.0	4690.4 - 5251.3	1	Routledge Unit No. 1 HZNTL	
AT	A08-29-01-27	8798	760.0 - 2341.0	2492.8 - 7678.5	4	Legacy Coulter Prov. HZNTL	
	B03-05-01-24	8880	970.0 - 1835.0	3181.6 - 6018.8	3	EOG Waskada HZNTL	
	13-01-02-29	8848	800.0 - 2510.0	2624.0 - 8232.8	4	Legacy Pierson HZNTL	
	13-17-10-29	8226	780.0 - 2265.0	2558.4 - 7429.2	4	Tundra Daly Sinclair HZNTL	
B1	A06-25-11-26	8280	500.0 - 600.0	1640.0 - 1968.0	1	North Virden Scallion Unit No. 1 Prov. HZNTL	
B6	16-29-01-28	7397	990.0 - 2254.0	3247.2 - 7393.1	3	Molopo Pierson Prov. HZNTL	
	09-18-01-25	7402	835.0 - 2042.0	2738.8 - 6697.8	3	Waskada Unit No. 7 HZNTL	
BT	08-16-10-28	8805	800.0 - 2272.0	2624.0 - 7452.2	4	Tundra Daly Sinclair HZNTL	
	A08-29-10-28	9210	700.0 - 2368.0	2296.0 - 7767.0	4	Tundra Daly Sinclair Prov. HZNTL	
	16-19-16-27	8865	500.0 - 1218.0	1640.0 - 3995.0	3	Kinwest 08 Mariner Birdtail HZNTL	
	A08-27-08-29	8236	835.0 - 2336.0	2738.8 - 7662.1	4	Sinclair Unit No. 6 HZNTL	
C3	01-09-01-25	7282	700.0 - 1656.0	2296.0 - 5431.7	3	EOG Waskada HZNTL	
	B07-30-01-25	7432	850.0 - 1245.0	2788.0 - 4083.6	2	Penn West Waskada Prov. SWD	
	B07-30-01-25	7432	850.0 - 1245.0	2788.0 - 4083.6	2	Penn West Waskada Prov. SWD	
C6	09-27-01-24	7496	260.0 - 1160.0	852.8 - 3804.8	4	Penn West Waskada STH	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
240	CT	A08-30-08-28	9282	860.0 - 2305.5	2820.8 - 7562.0	4	Tundra Daly Sinclair Prov. HZNTL
		A13-17-08-28	8784	870.0 - 2339.0	2853.6 - 7671.9	4	Tundra Daly Sinclair HZNTL
		09-08-08-28	9253	900.0 - 2382.0	2952.0 - 7813.0	4	Tundra Daly Sinclair HZNTL
		A16-03-09-29	8853	860.0 - 2197.0	2820.8 - 7206.2	3	Tundra Daly Sinclair HZNTL
241	1A	13-21-08-29	5620	800.0 - 940.0	2624.0 - 3083.2	2	Tundra Sinclair Prov.
		09-22-05-29	5679	300.0 - 1180.0	984.0 - 3870.4	5	Connaught Tilston Prov.
	1B	13-21-10-28	5680	920.0 - 1408.0	3017.6 - 4618.2	2	Tundra et al Daly HZNTL
		13-21-10-28	5680	395.0 - 1527.0	1295.6 - 5008.6	4	Tundra et al Daly HZNTL
		13-21-10-28	5680	395.0 - 1527.0	1295.6 - 5008.6	4	Tundra et al Daly HZNTL
		08-03-02-25	5616	800.0 - 940.0	2624.0 - 3083.2	1	Tundra Waskada
		13-21-10-28	5680	920.0 - 1408.0	3017.6 - 4618.2	2	Tundra et al Daly HZNTL
		13-21-10-28	5680	395.0 - 1527.0	1295.6 - 5008.6	4	Tundra et al Daly HZNTL
		13-21-10-28	5680	920.0 - 1408.0	3017.6 - 4618.2	2	Tundra et al Daly HZNTL
		13-21-10-28	5680	990.0 - 1491.0	3247.2 - 4890.5	1	Tundra et al Daly HZNTL
	1C	01-16-01-25	5653	800.0 - 955.0	2624.0 - 3132.4	1	EOG Waskada
		05-27-07-29	5647	145.0 - 1037.0	475.6 - 3401.4	2	Tundra Sinclair
		14-26-07-29	5661	840.0 - 1015.0	2755.2 - 3329.2	1	Tundra Sinclair
		2A	09-28-01-25	5692	800.0 - 942.0	2624.0 - 3089.8	1
	07-35-01-25		5463	775.0 - 940.0	2542.0 - 3083.2	1	EOG Waskada
	A10-27-01-25		5719	775.0 - 945.0	2542.0 - 3099.6	1	Waskada Unit No. 19
	A02-27-01-25		5717	775.0 - 945.0	2542.0 - 3099.6	1	EOG Waskada
	14-34-01-25		5635	800.0 - 942.0	2624.0 - 3089.8	1	Waskada Unit No 19
	2B	A05-06-09-27	5763	700.0 - 880.0	2296.0 - 2886.4	2	Rolland Daly RVBS Daly
		15-35-01-25	5465	775.0 - 940.0	2542.0 - 3083.2	1	EOG Waskada
A05-06-09-27		5763	700.0 - 880.0	2296.0 - 2886.4	2	Rolland Daly RVBS Daly	
2C	08-21-01-25	5633	775.0 - 950.0	2542.0 - 3116.0	1	EOG Waskada	
	04-01-08-29	5581	350.0 - 997.0	1148.0 - 3270.2	3	Tundra Sinclair	
	12-02-08-29	5413	875.0 - 998.0	2870.0 - 3273.4	1	Tundra Sinclair Prov.	
3A	01-21-01-25	5632	775.0 - 958.0	2542.0 - 3142.2	1	EOG Waskada	
	03-27-09-25	5649	765.0 - 1685.0	2509.2 - 5526.8	0	Routledge Unit No. 1 HZNTL	
	03-27-09-25	5649	765.0 - 1685.0	2509.2 - 5526.8	0	Routledge Unit No. 1 HZNTL	
	03-27-09-25	5649	739.0 - 1598.0	2423.9 - 5241.4	7	Routledge Unit No. 1 HZNTL	
	03-27-09-25	5649	739.0 - 1598.0	2423.9 - 5241.4	7	Routledge Unit No. 1 HZNTL	
	03-27-09-25	5649	685.0 - 739.0	2246.8 - 2423.9	1	Routledge Unit No. 1 HZNTL	
3B	03-27-09-25	5649	685.0 - 739.0	2246.8 - 2423.9	1	Routledge Unit No. 1 HZNTL	
	06-20-11-26	5727	740.0 - 1267.0	2427.2 - 4155.8	2	Tundra Virden HZNTL	
	06-20-11-26	5727	740.0 - 1267.0	2427.2 - 4155.8	2	Tundra Virden HZNTL	
		06-20-11-26	5727	770.0 - 1286.0	2525.6 - 4218.1	2	Tundra Virden HZNTL

## Non Confidential Sample Cuttings by Section / Row

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
241	3B	06-20-11-26	5727	770.0 - 1286.0	2525.6 - 4218.1	2	Tundra Virden HZNTL
		02-01-08-29	5688	780.0 - 987.0	2558.4 - 3237.4	1	Tundra Sinclair
		13-29-09-25	5765	700.0 - 1564.0	2296.0 - 5129.9	2	Tundra Virden Prov. HZNTL
		13-29-09-25	5765	700.0 - 1564.0	2296.0 - 5129.9	2	Tundra Virden Prov. HZNTL
		13-29-09-25	5765	755.0 - 1564.0	2476.4 - 5129.9	2	Tundra Virden Prov. HZNTL
		13-29-09-25	5765	755.0 - 1564.0	2476.4 - 5129.9	2	Tundra Virden Prov. HZNTL
	3C	14-25-07-29	5834	830.0 - 999.5	2722.4 - 3278.4	1	Tundra Sinclair
		01-22-09-25	5700	615.0 - 1353.0	2017.2 - 4437.8	6	Enerplus Virden HZNTL
		16-15-02-25	5721	775.0 - 916.0	2542.0 - 3004.5	1	EOG Waskada
		08-15-08-29	5676	150.0 - 735.0	492.0 - 2410.8	3	Rideau Sinclair
	4A	14-20-02-29	5779	775.0 - 1071.0	2542.0 - 3512.9	2	EOG Pierson Prov.
		A15-04-02-25	5778	775.0 - 935.0	2542.0 - 3066.8	1	Waskada Unit No. 16 Prov.
		A15-26-01-28	5777	790.0 - 1027.0	2591.2 - 3368.6	2	EOG Pierson Prov.
	4B	14-19-15-28	5810	125.0 - 613.0	410.0 - 2010.6	2	Standard East McAuley
		01-29-09-25	5773	646.0 - 1306.0	2118.9 - 4283.7	6	Routledge Unit No. 1 HZNTL
	4C	12-36-07-29	5840	830.0 - 1010.0	2722.4 - 3312.8	1	Tundra Sinclair Prov.
		09-28-09-25	5004	735.0 - 1454.0	2410.8 - 4769.1	6	Routledge Unit No. 1 HZNTL
		09-28-09-25	5004	735.0 - 1454.0	2410.8 - 4769.1	6	Routledge Unit No. 1 HZNTL
		05-05-08-28	5597	400.0 - 964.0	1312.0 - 3161.9	3	2214351 Manitoba Daly
	5A	09-25-08-29	5790	800.0 - 840.0	2624.0 - 2755.2	1	Tundra Sinclair
		16-26-08-29	5791	800.0 - 985.0	2624.0 - 3230.8	1	Tundra Sinclair Prov.
		16-26-08-29	5791	800.0 - 985.0	2624.0 - 3230.8	1	Tundra Sinclair Prov.
		01-32-09-25	5774	620.0 - 1381.0	2033.6 - 4529.7	8	Routledge Unit No. 1 HZNTL
		09-25-08-29	5790	800.0 - 840.0	2624.0 - 2755.2	1	Tundra Sinclair
5B	04-22-09-25	5681	865.0 - 1478.0	2837.2 - 4847.8	4	Routledge Unit No.1 HZNTL	
	04-15-01-25	5697	780.0 - 955.0	2558.4 - 3132.4	1	EOG Waskada	
5C	01-21-09-25	5701	605.0 - 1529.0	1984.4 - 5015.1	8	Routledge Unit No. 1 HZNTL	
	03-02-08-29	5705	350.0 - 1005.0	1148.0 - 3296.4	2	Tundra Sinclair Prov.	
6A	08-04-08-29	5793	110.0 - 1705.0	360.8 - 5592.4	2	Tundra Sinclair Prov. HZNTL	
	A05-34-01-28	5815	780.0 - 1045.0	2558.4 - 3427.6	2	EOG Pierson Prov.	
	04-29-02-29	5801	950.0 - 1332.0	3116.0 - 4369.0	2	EOG Pierson Prov.	
	08-16-07-28	7479	820.0 - 2330.0	2689.6 - 7642.4	4	Tundra Daly Sinclair Prov. HZNTL	
6B	15-24-04-22	5839	150.0 - 801.0	492.0 - 2627.3	3	Tundra Regent	
	10-18-05-22	5836	145.0 - 815.0	475.6 - 2673.2	3	Tundra Underhill Prov. DIR	
	14-29-08-29	5782	135.0 - 1030.0	442.8 - 3378.4	4	Tundra Sinclair Prov.	
6C	01-24-08-29	5788	815.0 - 978.0	2673.2 - 3207.8	1	Tundra Sinclair Prov.	
	15-27-02-24	5800	145.0 - 935.0	475.6 - 3066.8	4	Tundra Goodlands	
	08-05-02-28	4205	1040.0 - 1335.0	3411.2 - 4378.8	2	Enron Tundra Lyleton	
	08-05-02-28	4205	1040.0 - 1335.0	3411.2 - 4378.8	2	Enron Tundra Lyleton	
	08-05-02-28	4205	1040.0 - 1335.0	3411.2 - 4378.8	2	Enron Tundra Lyleton	
	01-05-03-21	5771	945.0 - 1422.0	3099.6 - 4664.2	2	Tundra Whitewater HZNTL	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
241	6C	01-05-03-21	5771	945.0 - 1422.0	3099.6 - 4664.2	2	Tundra Whitewater HZNTL
		01-05-03-21	5771	920.0 - 1622.0	3017.6 - 5320.2	2	Tundra Whitewater HZNTL
		01-05-03-21	5771	920.0 - 1622.0	3017.6 - 5320.2	2	Tundra Whitewater HZNTL
		01-24-08-29	5788	815.0 - 978.0	2673.2 - 3207.8	1	Tundra Sinclair Prov.
	A2	01-27-01-26	7422	890.0 - 1755.0	2919.2 - 5756.4	3	Waskada Unit No. 2 HZNTL
		08-08-01-24	7129	900.0 - 1663.0	2952.0 - 5454.6	3	EOG Waskada HZNTL
	A3	16-14-08-28	7448	755.0 - 2399.0	2476.4 - 7868.7	4	Tundra Daly Sinclair Prov. HZNTL
	A4	05-26-01-25	5761	780.0 - 941.0	2558.4 - 3086.5	1	EOG Waskada
		11-08-01-24	7159	890.0 - 1643.0	2919.2 - 5389.0	2	EOG Waskada HZNTL
		13-29-07-28	7388	825.0 - 2493.0	2706.0 - 8177.0	4	Tundra Daly Sinclair Prov. HZNTL
	A5	09-28-07-28	7390	825.0 - 2314.0	2706.0 - 7589.9	4	Tundra Daly Sinclair Prov. HZNTL
	AT	A03-15-07-29	9173	880.0 - 2035.0	2886.4 - 6674.8	5	Red River Daly Sinclair HZNTL
		12-08-13-28	9092	640.0 - 1488.0	2099.2 - 4880.6	4	CPEC East Manson HZNTL
		11-17-02-28	9273	750.0 - 1700.0	2460.0 - 5576.0	5	Melita Pierson HZNTL
	B2	A09-08-01-24	7130	900.0 - 1648.0	2952.0 - 5405.4	2	EOG Waskada HZNTL
	B3	01-12-08-29	7262	820.0 - 2489.0	2689.6 - 8163.9	4	Sinclair Unit No. 3 Prov. HZNTL WIW
	B4	02-30-01-28	7485	950.0 - 1727.0	3116.0 - 5664.6	2	Molopo Pierson HZNTL
		08-10-08-29	7324	895.0 - 2399.0	2935.6 - 7868.7	4	Sinclair Unit No. 3 HZNTL WIW
	B5	B09-08-01-24	7131	900.0 - 1671.0	2952.0 - 5480.9	2	EOG Waskada HZNTL
		05-15-01-28	7403	900.0 - 1749.0	2952.0 - 5736.7	3	Molopo South Pierson HZNTL
		05-15-01-28	7403	900.0 - 1749.0	2952.0 - 5736.7	3	Molopo South Pierson HZNTL
	BT	A14-30-07-29	9178	935.0 - 2656.0	3066.8 - 8711.7	7	Red River Daly Sinclair Prov. HZNTL
		04-17-07-29	9037	900.0 - 2627.0	2952.0 - 8616.6	7	Red River Daly Sinclair HZNTL
	C1	11-17-11-28	8081	650.0 - 1550.0	2132.0 - 5084.0	2	T. Bird et al Elkhorn HZNTL
	C3	01-10-08-29	7322	850.0 - 2408.0	2788.0 - 7898.2	4	Sinclair Unit No. 3 HZNTL WIW
	C4	15-17-01-26	7456	265.0 - 979.0	869.2 - 3211.1	3	Penn West Waskada STH
	C5	01-28-07-28	7389	825.0 - 2305.0	2706.0 - 7560.4	4	Tundra Daly Sinclair Prov. HZNTL
	CT	B04-29-08-28	9136	840.0 - 2303.0	2755.2 - 7553.8	4	Tundra Daly Sinclair Prov. HZNTL
		12-04-13-28	9091	600.0 - 1995.0	1968.0 - 6543.6	6	CPEC East Manson HZNTL
		04-33-08-28	9114	740.0 - 2440.0	2427.2 - 8003.2	4	Corval Daly Sinclair HZNTL
242	1A	10-36-01-23	5837	140.0 - 385.0	459.2 - 1262.8	4	Tundra South Deloraine
		16-13-07-29	5822	895.0 - 1027.0	2935.6 - 3368.6	4	Tundra Sinclair
	1B	02-29-10-28	5799	910.0 - 1620.0	2984.8 - 5313.6	4	Tundra Daly Prov. HZNTL
		13-29-01-28	5841	775.0 - 1070.0	2542.0 - 3509.6	2	EOG Pierson Prov.
		02-29-10-28	5799	890.0 - 1969.0	2919.2 - 6458.3	4	Tundra Daly Prov. HZNTL
		02-29-10-28	5799	890.0 - 1969.0	2919.2 - 6458.3	4	Tundra Daly Prov. HZNTL
		02-29-10-28	5799	910.0 - 1620.0	2984.8 - 5313.6	4	Tundra Daly Prov. HZNTL
	1C	01-21-03-28	5806	1080.0 - 1820.0	3542.4 - 5969.6	2	Tundra Pierson HZNTL
		01-21-03-28	5806	1080.0 - 1820.0	3542.4 - 5969.6	2	Tundra Pierson HZNTL
		01-21-03-28	5806	1170.0 - 1760.0	3837.6 - 5772.8	2	Tundra Pierson HZNTL

## Non Confidential Sample Cuttings by Section / Row

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
242	1C	01-21-03-28	5806	1170.0 - 1760.0	3837.6 - 5772.8	2	Tundra Pierson HZNTL
		02-33-01-24	5798	800.0 - 1465.0	2624.0 - 4805.2	3	New Midland Goodlands HZNTL
		02-33-01-24	5798	800.0 - 1465.0	2624.0 - 4805.2	3	New Midland Goodlands HZNTL
		02-33-01-24	5798	1025.0 - 1310.0	3362.0 - 4296.8	2	New Midland Goodlands HZNTL
		02-33-01-24	5798	1025.0 - 1310.0	3362.0 - 4296.8	2	New Midland Goodlands HZNTL
2A	02-30-06-29		5818	175.0 - 1132.0	574.0 - 3713.0	4	Grand Banks Tilston Prov.
	09B-17-02-29		5892	975.0 - 1032.9	3198.0 - 3387.9	1	South Pierson Unit No. 1
	A12-16-02-29		5855	975.0 - 1030.0	3198.0 - 3378.4	1	South Pierson Unit No. 1 Prov.
2B	10-19-07-28		5832	150.0 - 1005.0	492.0 - 3296.4	4	Tundra Sinclair
	04-25-08-29		5789	145.0 - 978.0	475.6 - 3207.8	4	Tundra Sinclair
2C	04-10-07-29		5729	160.0 - 1075.0	524.8 - 3526.0	4	Grand Banks Sinclair Prov.
	08-16-07-29		5728	180.0 - 1075.0	590.4 - 3526.0	4	Grand Banks Sinclair Prov.
	08-16-07-29		5728	180.0 - 1075.0	590.4 - 3526.0	4	Grand Banks Sinclair Prov.
	14-28-09-25		5772	555.0 - 805.0	1820.4 - 2640.4	2	Routledge Unit No. 1 HZNTL
	14-28-09-25		5772	555.0 - 805.0	1820.4 - 2640.4	2	Routledge Unit No. 1 HZNTL
3A	14-28-09-25		5772	805.0 - 1419.0	2640.4 - 4654.3	5	Routledge Unit No. 1 HZNTL
	14-28-09-25		5772	805.0 - 1419.0	2640.4 - 4654.3	5	Routledge Unit No. 1 HZNTL
	14-28-09-25		5772	760.0 - 1400.0	2492.8 - 4592.0	7	Routledge Unit No. 1 HZNTL
	14-28-09-25		5772	760.0 - 1400.0	2492.8 - 4592.0	7	Routledge Unit No. 1 HZNTL
	06-27-02-24		5905	750.0 - 955.0	2460.0 - 3132.4	1	Tundra Goodlands
3C	01-25-10-29		5894	875.0 - 1301.0	2870.0 - 4267.3	2	Tundra et al Daly HZNTL
	07-13-09-28		5843	535.0 - 1755.0	1754.8 - 5756.4	6	Aspen Daly HZNTL
	07-13-09-28		5843	535.0 - 1755.0	1754.8 - 5756.4	6	Aspen Daly HZNTL
	07-13-09-28		5843	350.0 - 854.0	1148.0 - 2801.1	3	Aspen Daly HZNTL
	07-13-09-28		5843	350.0 - 854.0	1148.0 - 2801.1	3	Aspen Daly HZNTL
	01-25-10-29		5894	900.0 - 1194.0	2952.0 - 3916.3	1	Tundra et al Daly HZNTL
	01-25-10-29		5894	900.0 - 1194.0	2952.0 - 3916.3	1	Tundra et al Daly HZNTL
	01-25-10-29		5894	875.0 - 1301.0	2870.0 - 4267.3	2	Tundra et al Daly HZNTL
3b	16-24-09-28		5724	500.0 - 2000.5	1640.0 - 6561.6	8	Aspen Daly Prov. HZNTL
	16-24-09-28		5724	500.0 - 2000.5	1640.0 - 6561.6	8	Aspen Daly Prov. HZNTL
4A	07-27-02-24		5928	1040.0 - 1416.0	3411.2 - 4644.5	1	Tundra Goodlands HZNTL
	07-27-02-24		5928	1040.0 - 1416.0	3411.2 - 4644.5	1	Tundra Goodlands HZNTL
	07-27-02-24		5928	775.0 - 1566.0	2542.0 - 5136.5	3	Tundra Goodlands HZNTL
	01-13-09-28		5842	350.0 - 2224.0	1148.0 - 7294.7	8	Aspen Daly HZNTL
	07-27-02-24		5928	775.0 - 1566.0	2542.0 - 5136.5	3	Tundra Goodlands HZNTL
4B	03-30-10-28		5906	860.0 - 1882.0	2820.8 - 6173.0	3	Tundra et al Daly HZNTL
	A08-13-09-28		5867	350.0 - 2170.0	1148.0 - 7117.6	8	Aspen Daly HZNTL
4C	16-33-07-28		5816	450.0 - 959.0	1476.0 - 3145.5	3	Rideau Sinclair
	A01-13-09-28		5866	350.0 - 2080.0	1148.0 - 6822.4	7	Aspen Daly HZNTL
5A	14-12-09-28		5877	500.0 - 858.0	1640.0 - 2814.2	2	Aspen Daly Prov.
	03-21-08-28		5668	400.0 - 940.0	1312.0 - 3083.2	3	Rideau Daly

## Non Confidential Sample Cuttings by Section / Row

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
242	5A	03-21-08-28	5668	400.0 - 940.0	1312.0 - 3083.2	3	Rideau Daly
		07-02-07-27	5537	850.0 - 1389.0	2788.0 - 4555.9	5	New Midland Reston HZNTL
		07-02-07-27	5537	850.0 - 1389.0	2788.0 - 4555.9	5	New Midland Reston HZNTL
	5B	14-31-07-28	5656	425.0 - 980.0	1394.0 - 3214.4	3	Rideau Sinclair
		04-21-03-29	5716	400.0 - 1273.0	1312.0 - 4175.4	4	Connaught Pierson
	5C	04-17-04-29	5938	190.0 - 1240.0	623.2 - 4067.2	5	Connaught South Tilston
		05-12-12-29	5992	640.0 - 850.0	2099.2 - 2788.0	1	Wilderness Kirkella DIR
		08-06-08-29	5470	120.0 - 1035.0	393.6 - 3394.8	4	Tundra Sinclair Prov.
	6A	13-30-10-28	5723	610.0 - 1414.0	2000.8 - 4637.9	6	Platform et al Daly Prov. HZNTL
		04-04-06-29	5732	375.0 - 1160.0	1230.0 - 3804.8	4	Connaught Tilston Prov.
		13-30-10-28	5723	610.0 - 1414.0	2000.8 - 4637.9	6	Platform et al Daly Prov. HZNTL
		13-30-10-28	5723	610.0 - 1414.0	2000.8 - 4637.9	6	Platform et al Daly Prov. HZNTL
	6B	11-18-02-28	5660	940.0 - 1808.0	3083.2 - 5930.2	4	Orion Pierson Prov. HZNTL
		03-12-09-28	5981	640.0 - 1885.0	2099.2 - 6182.8	5	Aspen Daly Prov. HZNTL
		B05-15-02-29	5922	975.0 - 1028.0	3198.0 - 3371.8	1	South Pierson Unit No. 1
		05B-15-02-29	5851	975.0 - 1028.0	3198.0 - 3371.8	1	South Pierson Unit No. 1
	6C	16-10-09-28	5956	800.0 - 1718.0	2624.0 - 5635.0	4	Aspen Daly Prov.
		06-26-11-29	5991	175.0 - 900.0	574.0 - 2952.0	4	Wilderness South Kirkella
		09-14-08-28	6032	200.0 - 917.0	656.0 - 3007.8	2	Tundra Sinclair Prov.
	A2	08-03-08-29	7378	850.0 - 1072.5	2788.0 - 3517.8	4	Sinclair Unit No. 3 HZNTL WIW
	A3	16-28-11-29	7321	685.0 - 905.0	2246.8 - 2968.4	1	Reliable South Kirkella
		12-31-01-25	7313	850.0 - 1713.0	2788.0 - 5618.6	3	Waskada Unit No. 3 HZNTL
	AT	01-02-10-29	9358	700.0 - 1565.0	2296.0 - 5133.2	3	Tundra Daly Sinclair Prov. HZNTL
		04-22-08-29	9298	800.0 - 2540.0	2624.0 - 8331.2	5	Sinclair Unit No. 1 Prov. HZNTL
05-01-10-29		9361	640.0 - 2377.0	2099.2 - 7796.6	5	Tundra Daly Sinclair HZNTL	
A13-21-09-28		8890	700.0 - 921.0	2296.0 - 3020.9	1	6550577 MB Daly Sinclair	
A13-21-09-28		8890	700.0 - 921.0	2296.0 - 3020.9	1	6550577 MB Daly Sinclair	
B1	05-32-01-28	7487	950.0 - 1722.0	3116.0 - 5648.2	2	Molopo Pierson Prov. HZNTL	
BT	13-24-14-29	8947	540.0 - 2130.0	1771.2 - 6986.4	7	CPEC South McAuley HZNTL	
	B04-06-01-24	8903	930.0 - 1856.0	3050.4 - 6087.7	3	EOG Waskada HZNTL	
	16-36-10-29	8952	725.0 - 2330.0	2378.0 - 7642.4	4	Tundra Daly Sinclair HZNTL	
	13-24-14-29	8947	920.0 - 2133.0	3017.6 - 6996.2	5	CPEC South McAuley HZNTL	
C2	01-30-03-24	7316	185.0 - 878.0	606.8 - 2879.8	3	Petrobakken Medora Prov. HZNTL	
C4	06-16-10-29	5598	740.0 - 1420.0	2427.2 - 4657.6	4	Rideau Daly	
CT	01-21-10-28	8836	725.0 - 2333.0	2378.0 - 7652.2	4	Tundra Daly Sinclair HZNTL	
	04-29-12-26	9308	160.0 - 746.0	524.8 - 2446.9	3	Black Hills Two Creeks Prov.	
	C12-29-08-28	9169	850.0 - 2302.0	2788.0 - 7550.6	4	Tundra Daly Sinclair Prov. HZNTL	
	C12-29-08-28	9169	850.0 - 2302.0	2788.0 - 7550.6	4	Tundra Daly Sinclair Prov. HZNTL	
	C12-29-08-28	9169	680.0 - 916.0	2230.4 - 3004.5	2	Tundra Daly Sinclair Prov. HZNTL	
	07-05-18-28	8670	440.0 - 1484.0	1443.2 - 4867.5	3	Tundra Chillon HZNTL	
	C12-29-08-28	9169	680.0 - 916.0	2230.4 - 3004.5	2	Tundra Daly Sinclair Prov. HZNTL	

**Non Confidential Sample Cuttings**  
by  
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**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
243	1A	04-36-07-28	5917	140.0 - 983.0	459.2 - 3224.2	4	Antler River Sinclair Prov.
		14-04-08-28	5838	390.0 - 961.0	1279.2 - 3152.1	3	Antler River Sinclair Prov.
	1B	10-21-03-28	6007	1110.0 - 2044.0	3640.8 - 6704.3	2	Tundra Pierson HZNTL
		10-21-03-28	6007	1110.0 - 2044.0	3640.8 - 6704.3	2	Tundra Pierson HZNTL
		10-21-03-28	6007	1070.0 - 2064.0	3509.6 - 6769.9	3	Tundra Pierson HZNTL
		16-27-02-24	5973	965.0 - 1594.0	3165.2 - 5228.3	2	Tundra Goodlands HZNTL
		10-21-03-28	6007	1070.0 - 2064.0	3509.6 - 6769.9	3	Tundra Pierson HZNTL
	1C	08-15-02-29	6010	975.0 - 1021.0	3198.0 - 3348.9	1	CNRL Pierson
		16-36-08-29	6036	135.0 - 938.0	442.8 - 3076.6	4	Tundra Sinclair Prov.
		B11-08-02-29	5918	975.0 - 1035.0	3198.0 - 3394.8	1	South Pierson Unit No. 1
		16-36-08-29	6036	135.0 - 938.0	442.8 - 3076.6	4	Tundra Sinclair Prov.
		08-07-08-28	5940	130.0 - 970.0	426.4 - 3181.6	4	Tundra Sinclair
	2A	04-17-08-28	5942	140.0 - 970.0	459.2 - 3181.6	4	Tundra Sinclair
		02-08-03-21	5954	880.0 - 1786.0	2886.4 - 5858.1	2	Tundra Whitewater HZNTL
		03-12-09-28	5981	1890.0 - 1910.0	6199.2 - 6264.8	1	Aspen Daly Prov. HZNTL
		01-13-02-24	5993	140.0 - 975.0	459.2 - 3198.0	4	Tundra Goodlands
	2B	15-32-02-21	5980	140.0 - 900.0	459.2 - 2952.0	4	Tundra Whitewater
		03-20-07-28	6000	815.0 - 985.0	2673.2 - 3230.8	1	Tundra Sinclair Prov.
		04-17-07-28	5998	820.0 - 997.0	2689.6 - 3270.2	1	Tundra Sinclair
		A08-09-02-29	5850	975.0 - 1025.0	3198.0 - 3362.0	1	South Pierson Unit No. 1
		15-31-08-29	6047	145.0 - 1012.0	475.6 - 3319.4	4	Tundra Sinclair
	2C	14B-04-02-29	5845	975.0 - 1030.0	3198.0 - 3378.4	1	South Pierson Unit No. 1 Prov.
		11-17-07-28	5999	400.0 - 991.0	1312.0 - 3250.5	3	Tundra Sinclair
02-24-08-28		6033	145.0 - 900.0	475.6 - 2952.0	4	Tundra Sinclair Prov.	
3A	09-05-09-29	6029	145.0 - 975.0	475.6 - 3198.0	4	Tundra Daly	
	09-30-08-28	6037	145.0 - 945.0	475.6 - 3099.6	4	Tundra Sinclair Prov.	
	09-30-08-28	6037	145.0 - 945.0	475.6 - 3099.6	4	Tundra Sinclair Prov.	
	03-01-11-29	5916	145.0 - 890.0	475.6 - 2919.2	4	Tundra South Kirkella	
3B	16-06-07-28	6025	145.0 - 1026.0	475.6 - 3365.3	4	Tundra Sinclair Prov.	
	14-30-07-28	6026	820.0 - 988.5	2689.6 - 3242.3	1	Tundra Sinclair	
	16-20-07-28	6001	810.0 - 988.0	2656.8 - 3240.6	1	Tundra Sinclair Prov.	
	01-12-08-29	5709	810.0 - 974.0	2656.8 - 3194.7	1	Tundra Sinclair Prov.	
	05-07-02-28	6084	860.0 - 1820.0	2820.8 - 5969.6	4	Orion Pierson HZNTL	
	12-05-11-29	5907	720.0 - 899.0	2361.6 - 2948.7	1	Tundra South Kirkella	
3C	12-23-07-29	6031	140.0 - 1036.5	459.2 - 3399.7	4	Tundra Sinclair	
	15-04-02-29	6042	975.0 - 1042.5	3198.0 - 3419.4	1	South Pierson Unit No. 1 Prov.	
	03-10-02-29	6043	975.0 - 1032.5	3198.0 - 3386.6	1	CNRL Pierson	
	07-10-02-29	6044	975.0 - 1031.0	3198.0 - 3381.7	1	CNRL Pierson	
	15-10-02-29	6045	965.0 - 1025.5	3165.2 - 3363.6	1	CNRL Pierson Prov.	
	03-11-02-29	6046	965.0 - 1028.0	3165.2 - 3371.8	1	CNRL Pierson Prov.	
	12-11-02-29	6048	965.0 - 1025.0	3165.2 - 3362.0	1	CNRL Pierson Prov.	
01-15-02-29	6049	960.0 - 1023.5	3148.8 - 3357.1	1	CNRL Pierson		

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
243	3C	02-15-02-29	6050	965.0 - 1025.5	3165.2 - 3363.6	1	CNRL Pierson
		07-15-02-29	6051	965.0 - 1022.5	3165.2 - 3353.8	1	CNRL Pierson
		11-15-02-29	6052	965.0 - 1024.0	3165.2 - 3358.7	1	CNRL Pierson
		03B-09-02-29	6073	970.0 - 1036.0	3181.6 - 3398.1	1	South Pierson Unit No. 1
		08B-09-02-29	6075	965.0 - 1030.5	3165.2 - 3380.0	1	South Pierson Unit No. 1
		13C-09-02-29	6076	970.0 - 1034.0	3181.6 - 3391.5	1	South Pierson Unit No. 1
		02-18-07-28	6038	840.0 - 1011.0	2755.2 - 3316.1	1	Tundra Sinclair Prov.
		04-25-07-29	6039	850.0 - 1018.0	2788.0 - 3339.0	1	Tundra Sinclair
		16-25-07-29	6040	830.0 - 996.5	2722.4 - 3268.5	1	Tundra Unit No. 2 Prov. Tundra Sinclair
	A13-08-02-29	5919	975.0 - 1040.0	3198.0 - 3411.2	1	South Pierson Unit No. 1	
	A13-04-02-29	5844	975.0 - 1039.0	3198.0 - 3407.9	1	South Pierson Unit No. 1 Prov.	
	04-23-07-29	6030	865.0 - 1047.0	2837.2 - 3434.2	1	Tundra Sinclair	
	05-04-02-29	6041	975.0 - 1038.5	3198.0 - 3406.3	1	CNRL Pierson	
	4A	01-10-02-29	6011	975.0 - 1025.0	3198.0 - 3362.0	1	CNRL Pierson
		07C-16-02-29	6034	975.0 - 1029.5	3198.0 - 3376.8	1	South Pierson Unit No. 1 Prov.
		04-14-07-29	5819	880.0 - 1040.0	2886.4 - 3411.2	1	Grand Banks Sinclair Prov.
		04-32-07-28	6065	815.0 - 990.0	2673.2 - 3247.2	1	Tundra Sinclair Prov.
06-27-02-24		5955	925.0 - 1310.0	3034.0 - 4296.8	3	Tundra Goodlands HZNTL	
06-27-02-24		5955	925.0 - 1310.0	3034.0 - 4296.8	3	Tundra Goodlands HZNTL	
15-18-08-29		6115	870.0 - 1040.0	2853.6 - 3411.2	1	Tundra Sinclair Prov.	
06B-09-02-29		6074	970.0 - 1034.0	3181.6 - 3391.5	1	South Pierson Unit No. 1	
14D-09-02-29		6077	970.0 - 1032.5	3181.6 - 3386.6	1	South Pierson Unit No. 1	
06D-09-02-29		6078	970.0 - 1034.5	3181.6 - 3393.2	1	South Pierson Unit No. 1	
09-10-02-29		6012	975.0 - 1030.2	3198.0 - 3379.1	1	CNRL Pierson	
11-10-02-29	6013	975.0 - 1026.5	3198.0 - 3366.9	1	CNRL Pierson		
4B	15-27-07-28	6139	140.0 - 996.0	459.2 - 3266.9	4	Tundra Sinclair	
	04-35-07-29	6169	140.0 - 1013.0	459.2 - 3322.6	4	Tundra Sinclair	
	13-36-07-29	6146	825.0 - 1005.0	2706.0 - 3296.4	1	Tundra Sinclair Prov.	
4C	09-29-07-28	6079	140.0 - 995.0	459.2 - 3263.6	4	Tundra Sinclair Prov.	
	16-34-07-29	6160	840.0 - 1008.0	2755.2 - 3306.2	1	Tundra Sinclair Prov.	
	01-15-07-29	6022	215.0 - 1066.0	705.2 - 3496.5	4	Grand Banks et al Sinclair	
5A	07-15-06-22	6133	750.0 - 1626.0	2460.0 - 5333.3	4	Tundra Souris Hartney HZNTL	
	03-08-03-21	6153	925.0 - 1615.0	3034.0 - 5297.2	3	Tundra Whitewater HZNTL	
	03-08-03-21	6153	925.0 - 1615.0	3034.0 - 5297.2	3	Tundra Whitewater HZNTL	
	03-08-03-21	6153	965.0 - 1520.0	3165.2 - 4985.6	3	Tundra Whitewater HZNTL	
	03-08-03-21	6153	965.0 - 1520.0	3165.2 - 4985.6	3	Tundra Whitewater HZNTL	
5B	12-14-08-28	6081	750.0 - 914.0	2460.0 - 2997.9	1	Tundra Sinclair	
	A05-04-03-21	6093	940.0 - 1529.0	3083.2 - 5015.1	2	Tundra Whitewater HZNTL	
	12-31-04-21	6151	145.0 - 791.0	475.6 - 2594.5	3	Tundra Regent	
	12-14-08-28	6081	750.0 - 914.0	2460.0 - 2997.9	1	Tundra Sinclair	
	06-28-02-24	6168	140.0 - 965.0	459.2 - 3165.2	4	Tundra Goodlands	



**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
243	5C	08-16-08-28	6103	145.0 - 928.0	475.6 - 3043.8	4	Tundra Sinclair Prov.
		16-22-08-29	6175	815.0 - 984.0	2673.2 - 3227.5	1	Tundra Sinclair Prov.
		03-19-07-28	6157	830.0 - 996.0	2722.4 - 3266.9	1	Tundra Sinclair
	6A	08-25-10-26	6197	375.0 - 1451.0	1230.0 - 4759.3	3	Virden Roselea Unit No. 1 HZNTL
		09-13-07-28	6091	135.0 - 1020.0	442.8 - 3345.6	4	Tundra Sinclair Prov.
		03-25-04-22	6090	850.0 - 1240.0	2788.0 - 4067.2	1	Tundra Regent HZNTL
		03-25-04-22	6090	850.0 - 1240.0	2788.0 - 4067.2	1	Tundra Regent HZNTL
		03-25-04-22	6090	850.0 - 1240.0	2788.0 - 4067.2	1	Tundra Regent HZNTL
		03-25-04-22	6090	930.0 - 1375.0	3050.4 - 4510.0	1	Tundra Regent HZNTL
		10-08-06-28	6162	850.0 - 1583.0	2788.0 - 5192.2	3	Malahat South Linklater
		12-10-07-28	6088	140.0 - 1020.0	459.2 - 3345.6	4	Tundra Sinclair Prov.
		03-25-04-22	6090	1250.0 - 1443.0	4100.0 - 4733.0	1	Tundra Regent HZNTL
		03-25-04-22	6090	1250.0 - 1443.0	4100.0 - 4733.0	1	Tundra Regent HZNTL
		03-25-04-22	6090	1250.0 - 1443.0	4100.0 - 4733.0	1	Tundra Regent HZNTL
		03-25-04-22	6090	825.0 - 1410.0	2706.0 - 4624.8	2	Tundra Regent HZNTL
		03-25-04-22	6090	825.0 - 1410.0	2706.0 - 4624.8	2	Tundra Regent HZNTL
		03-25-04-22	6090	825.0 - 1410.0	2706.0 - 4624.8	2	Tundra Regent HZNTL
		03-25-04-22	6090	930.0 - 1375.0	3050.4 - 4510.0	1	Tundra Regent HZNTL
03-25-04-22	6090	930.0 - 1375.0	3050.4 - 4510.0	1	Tundra Regent HZNTL		
6B	16-21-07-29	6083	140.0 - 1053.0	459.2 - 3453.8	4	Tundra Sinclair	
	14-06-07-28	6202	860.0 - 1035.0	2820.8 - 3394.8	1	Tundra Sinclair Prov.	
	01-24-07-29	6212	845.0 - 1006.0	2771.6 - 3299.7	1	Tundra Sinclair Prov.	
	05-23-06-29	6226	850.0 - 1165.0	2788.0 - 3821.2	2	Malahat Tilston DIR	
	12-02-08-28	6101	140.0 - 943.0	459.2 - 3093.0	4	Tundra Sinclair Prov.	
6C	02-36-07-29	6194	825.0 - 986.0	2706.0 - 3234.1	1	Tundra Sinclair Prov.	
AT	A03-20-11-26	8854	575.0 - 2118.0	1886.0 - 6947.0	4	Tundra Virden HZNTL	
	13-10-02-25	9032	900.0 - 1808.0	2952.0 - 5930.2	3	Waskada Unit No. 16 Prov. HZNTL	
	12-28-08-29	8237	830.0 - 2280.0	2722.4 - 7478.4	4	Sinclair Unit No. 6 HZNTL	
	12-22-08-29	8790	885.0 - 2246.0	2902.8 - 7366.9	3	Tundra Daly Sinclair Prov. HZNTL	
BT	10-14-01-25	8388	935.0 - 1830.0	3066.8 - 6002.4	2	EOG Waskada HZNTL	
	A07-02-02-25	9101	910.0 - 1651.0	2984.8 - 5415.3	2	EOG Waskada Prov. HZNTL	
	08-26-01-25	9224	960.0 - 1684.0	3148.8 - 5523.5	2	EOG Waskada HZNTL	
	A02-02-02-25	9097	900.0 - 1637.0	2952.0 - 5369.4	2	EOG Waskada Prov. HZNTL	
	01-21-01-25	8324	960.0 - 1682.0	3148.8 - 5517.0	2	EOG Waskada HZNTL	
	08-36-09-29	9198	680.0 - 2325.0	2230.4 - 7626.0	4	Corex Daly Sinclair HZNTL	
C6	15-32-01-29	7447	1065.0 - 1998.0	3493.2 - 6553.4	3	Molopo Pierson Prov. HZNTL	
	15-32-01-29	7447	1065.0 - 1998.0	3493.2 - 6553.4	3	Molopo Pierson Prov. HZNTL	
	07-19-01-27	7436	950.0 - 1684.0	3116.0 - 5523.5	2	Molopo Coulter HZNTL	
CT	B02-02-02-25	9098	900.0 - 1659.0	2952.0 - 5441.5	2	EOG Waskada Prov. HZNTL	
	B15-26-01-28	8649	990.0 - 1718.0	3247.2 - 5635.0	2	EOG Pierson Prov. HZNTL	
	B07-02-02-25	9102	930.0 - 1689.0	3050.4 - 5539.9	2	EOG Waskada Prov. HZNTL	
	B03-28-01-27	8821	1010.0 - 1350.0	3312.8 - 4428.0	2	EOG Coulter Prov. HZNTL	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
243	CT	A01-34-01-25	8544	950.0 - 1656.0	3116.0 - 5431.7	2	Waskada Unit No. 19 HZNTL
		11-14-01-25	8389	935.0 - 1776.0	3066.8 - 5825.3	2	EOG Waskada HZNTL
		11-22-02-28	8657	990.0 - 1705.0	3247.2 - 5592.4	2	EOG Pierson HZNTL
244	1A	01-26-07-29	6182	850.0 - 1021.0	2788.0 - 3348.9	1	Tundra Sinclair
		05-35-08-29	6236	145.0 - 980.0	475.6 - 3214.4	4	Tundra Sinclair
		14-21-07-29	6225	140.0 - 1055.0	459.2 - 3460.4	4	Tundra Sinclair
	1B	15-24-07-29	6228	845.0 - 1000.0	2771.6 - 3280.0	1	Tundra Sinclair Prov.
		14-30-10-25	6199	375.0 - 1316.0	1230.0 - 4316.5	4	Enerplus Virden HZNTL
		14-30-10-25	6199	375.0 - 1316.0	1230.0 - 4316.5	4	Enerplus Virden HZNTL
	1C	15-05-07-28	6170	145.0 - 1005.0	475.6 - 3296.4	4	Tundra Sinclair
		14-30-10-25	6199	375.0 - 1070.0	1230.0 - 3509.6	2	Enerplus Virden HZNTL
		14-30-10-25	6199	375.0 - 1070.0	1230.0 - 3509.6	2	Enerplus Virden HZNTL
		04-07-07-28	6189	859.0 - 1035.0	2817.5 - 3394.8	1	Tundra Sinclair
	1D	12-21-03-28	6244	1625.0 - 2140.0	5330.0 - 7019.2	2	Tundra Pierson HZNTL
		12-21-03-28	6244	1625.0 - 2140.0	5330.0 - 7019.2	2	Tundra Pierson HZNTL
		12-21-03-28	6244	1125.0 - 1620.0	3690.0 - 5313.6	2	Tundra Pierson HZNTL
		12-21-03-28	6244	1145.0 - 2045.0	3755.6 - 6707.6	5	Tundra Pierson HZNTL
		12-21-03-28	6244	1125.0 - 1620.0	3690.0 - 5313.6	2	Tundra Pierson HZNTL
		12-21-03-28	6244	1145.0 - 2045.0	3755.6 - 6707.6	5	Tundra Pierson HZNTL
	2A	08-07-07-28	6190	145.0 - 1018.0	475.6 - 3339.0	4	Tundra Sinclair
		07-35-07-29	6232	850.0 - 1020.0	2788.0 - 3345.6	1	Tundra Sinclair
		16-01-07-29	6203	140.0 - 1018.0	459.2 - 3339.0	4	Tundra Sinclair
		16-31-04-21	6259	665.0 - 776.0	2181.2 - 2545.3	1	Tundra Regent
	2B	07-33-01-24	6277	940.0 - 1205.0	3083.2 - 3952.4	2	New Midland Waskada HZNTL
07-33-01-24		6277	940.0 - 1205.0	3083.2 - 3952.4	2	New Midland Waskada HZNTL	
04-20-07-28		6326	815.0 - 979.0	2673.2 - 3211.1	1	Tundra Sinclair Prov.	
03-25-04-22		6260	675.0 - 802.0	2214.0 - 2630.6	1	Tundra Regent	
13-10-06-28		6265	320.0 - 1092.0	1049.6 - 3581.8	4	Connaught South Linklater Prov.	
02-26-07-29		6262	855.0 - 1011.0	2804.4 - 3316.1	1	Tundra Sinclair	
08-36-04-22		6261	140.0 - 787.0	459.2 - 2581.4	3	Tundra Regent	
16-01-09-28		6306	600.0 - 876.0	1968.0 - 2873.3	2	Rolland Daly RVBS Daly	
08-04-09-29	6237	810.0 - 982.0	2656.8 - 3221.0	1	Tundra Daly Prov.		
2C	15-08-03-21	6263	600.0 - 1351.0	1968.0 - 4431.3	3	EOG Whitewater HZNTL	
	09-03-02-25	6243	680.0 - 1612.0	2230.4 - 5287.4	3	EOG Waskada HZNTL	
2D	04-10-08-28	6241	140.0 - 940.0	459.2 - 3083.2	4	Tundra Sinclair	
	16-33-01-24	6270	950.0 - 1527.0	3116.0 - 5008.6	3	New Midland Waskada HZNTL	
	04-10-08-28	6241	140.0 - 940.0	459.2 - 3083.2	4	Tundra Sinclair	
	06-24-06-23	6283	145.0 - 699.0	475.6 - 2292.7	3	Tundra Hartney	
3A	04-20-04-29	6257	165.0 - 1351.0	541.2 - 4431.3	10	Connaught South Tilston Prov. HZNTL	
3B	11-08-08-28	6286	1055.0 - 1614.0	3460.4 - 5293.9	2	Tundra Sinclair HZNTL	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
244	3B	06-21-07-29	6287	890.0 - 1056.0	2919.2 - 3463.7	1	Tundra Sinclair
		01-11-09-25	6280	575.0 - 864.0	1886.0 - 2833.9	2	Tundra Virden Prov.
		14-16-05-23	6273	145.0 - 805.0	475.6 - 2640.4	3	Tundra South Hartney Prov.
		01-11-09-25	6280	575.0 - 864.0	1886.0 - 2833.9	2	Tundra Virden Prov.
	3C	10-21-07-29	6272	885.0 - 1020.0	2902.8 - 3345.6	1	Tundra Sinclair
		05-08-04-29	6285	940.0 - 2296.0	3083.2 - 7530.9	6	Connaught South Tilston HZNTL
		05-34-08-29	6002	445.0 - 982.0	1459.6 - 3221.0	3	Rideau Sinclair Prov.
	3D	11-20-03-28	6266	1095.0 - 2188.0	3591.6 - 7176.6	5	Tundra Pierson HZNTL
		11-20-03-28	6266	1135.0 - 2160.0	3722.8 - 7084.8	5	Tundra Pierson HZNTL
		11-20-03-28	6266	1135.0 - 2160.0	3722.8 - 7084.8	5	Tundra Pierson HZNTL
		11-20-03-28	6266	1095.0 - 2188.0	3591.6 - 7176.6	5	Tundra Pierson HZNTL
	4A	02-03-09-29	5988	440.0 - 974.0	1443.2 - 3194.7	3	Rideau Daly
02-22-08-28		6053	400.0 - 1125.0	1312.0 - 3690.0	4	Rideau Sinclair	
02-22-08-28		6053	400.0 - 1125.0	1312.0 - 3690.0	4	Rideau Sinclair	
04-04-09-29		6163	440.0 - 978.0	1443.2 - 3207.8	3	Rideau Daly Prov.	
04-04-09-29		6163	440.0 - 978.0	1443.2 - 3207.8	3	Rideau Daly Prov.	
4B	09-10-09-29	6005	435.0 - 955.0	1426.8 - 3132.4	3	Rideau Daly	
	13-08-07-28	6247	420.0 - 1195.0	1377.6 - 3919.6	4	Rideau Sinclair	
	09-10-09-29	6005	435.0 - 955.0	1426.8 - 3132.4	3	Rideau Daly	
4C	07-16-03-29	6062	1100.0 - 1991.0	3608.0 - 6530.5	4	Rideau Pierson Prov. HZNTL	
	07-16-11-29	6293	390.0 - 873.0	1279.2 - 2863.4	5	T. Bird et al South Kirkella	
	15-17-07-28	6376	810.0 - 980.0	2656.8 - 3214.4	1	Tundra Sinclair	
	07-16-11-29	6293	390.0 - 873.0	1279.2 - 2863.4	5	T. Bird et al South Kirkella	
	07-16-11-29	6293	390.0 - 873.0	1279.2 - 2863.4	5	T. Bird et al South Kirkella	
4D	16-31-07-28	6403	820.0 - 986.0	2689.6 - 3234.1	1	Tundra et al Sinclair	
	15-34-07-29	6398	860.0 - 1009.0	2820.8 - 3309.5	1	Tundra Sinclair Prov.	
	01-29-10-25	6278	740.0 - 1596.0	2427.2 - 5234.9	8	Virden Roselea Unit No. 1 HZNTL	
5A	10-21-10-25	6195	385.0 - 1375.0	1262.8 - 4510.0	8	Virden Roselea Unit No. 1 HZNTL	
	10-21-10-25	6195	385.0 - 1375.0	1262.8 - 4510.0	8	Virden Roselea Unit No. 1 HZNTL	
	10-21-10-25	6195	1375.0 - 1487.0	4510.0 - 4877.4	1	Virden Roselea Unit No. 1 HZNTL	
	10-21-10-25	6195	1375.0 - 1487.0	4510.0 - 4877.4	1	Virden Roselea Unit No. 1 HZNTL	
5B	13-04-08-29	6357	850.0 - 2469.0	2788.0 - 8098.3	4	Sinclair Unit No. 1 Prov. HZNTL WIW	
	12-04-08-29	6356	850.0 - 2480.0	2788.0 - 8134.4	4	Sinclair Unit No. 1 Prov. HZNTL WIW	
	10-21-10-25	6195	720.0 - 1357.0	2361.6 - 4451.0	5	Virden Roselea Unit No. 1 HZNTL	
	10-21-10-25	6195	720.0 - 1357.0	2361.6 - 4451.0	5	Virden Roselea Unit No. 1 HZNTL	
	A05-20-07-28	6392	815.0 - 980.0	2673.2 - 3214.4	1	Tundra Sinclair Prov.	
5C	10-07-03-28	6346	875.0 - 1070.0	2870.0 - 3509.6	1	Tundra Pierson HZNTL	
	10-07-03-28	6346	875.0 - 1070.0	2870.0 - 3509.6	1	Tundra Pierson HZNTL	
	10-07-03-28	6346	1072.5 - 1843.0	3517.8 - 6045.0	1	Tundra Pierson HZNTL	
	10-07-03-28	6346	1072.5 - 1843.0	3517.8 - 6045.0	1	Tundra Pierson HZNTL	
	10-07-03-28	6346	1120.0 - 1598.0	3673.6 - 5241.4	2	Tundra Pierson HZNTL	
	14-25-10-26	6230	390.0 - 1324.0	1279.2 - 4342.7	4	Virden Roselea Unit No. 1 HZNTL	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name	
244	5C	10-07-03-28	6346	1120.0 - 1598.0	3673.6 - 5241.4	2	Tundra Pierson HZNTL	
	5D	13-20-03-28	6307	875.0 - 1430.0	2870.0 - 4690.4	2	Tundra Pierson HZNTL	
		13-20-03-28	6307	875.0 - 1430.0	2870.0 - 4690.4	2	Tundra Pierson HZNTL	
		13-20-03-28	6307	1440.0 - 1884.0	4723.2 - 6179.5	2	Tundra Pierson HZNTL	
	5D	13-20-03-28	6307	1185.0 - 1786.0	3886.8 - 5858.1	2	Tundra Pierson HZNTL	
		13-20-03-28	6307	1440.0 - 1884.0	4723.2 - 6179.5	2	Tundra Pierson HZNTL	
	5D	03-30-07-28	6294	825.0 - 986.5	2706.0 - 3235.7	1	Tundra Sinclair	
		04-09-08-29	6354	850.0 - 2470.0	2788.0 - 8101.6	4	Sinclair Unit No. 1 HZNTL	
		01-18-07-28	6316	835.0 - 998.0	2738.8 - 3273.4	1	Tundra Sinclair Prov.	
		13-20-03-28	6307	1185.0 - 1786.0	3886.8 - 5858.1	2	Tundra Pierson HZNTL	
		6A	03-30-10-25	6231	325.0 - 1235.0	1066.0 - 4050.8	7	Virde Roselea Unit No. 1 HZNTL
			03-30-10-25	6231	325.0 - 1235.0	1066.0 - 4050.8	7	Virde Roselea Unit No. 1 HZNTL
		6B	04-28-09-25	6292	840.0 - 1300.0	2755.2 - 4264.0	1	Enerplus Virde Prov. HZNTL
	04-28-09-25		6292	360.0 - 1429.0	1180.8 - 4687.1	5	Enerplus Virde Prov. HZNTL	
04-28-09-25	6292		360.0 - 1429.0	1180.8 - 4687.1	5	Enerplus Virde Prov. HZNTL		
04-28-09-25	6292		1360.0 - 1392.0	4460.8 - 4565.8	1	Enerplus Virde Prov. HZNTL		
04-28-09-25	6292		1360.0 - 1392.0	4460.8 - 4565.8	1	Enerplus Virde Prov. HZNTL		
04-28-09-25	6292		840.0 - 1300.0	2755.2 - 4264.0	1	Enerplus Virde Prov. HZNTL		
6C	03-28-09-25	6258	390.0 - 1354.0	1279.2 - 4441.1	4	Routledge Unit No. 1 Prov. HZNTL		
	03-28-09-25	6258	390.0 - 1354.0	1279.2 - 4441.1	4	Routledge Unit No. 1 Prov. HZNTL		
	03-28-09-25	6258	794.0 - 1399.0	2604.3 - 4588.7	3	Routledge Unit No. 1 Prov. HZNTL		
	03-28-09-25	6258	794.0 - 1399.0	2604.3 - 4588.7	3	Routledge Unit No. 1 Prov. HZNTL		
6D	09-24-04-22	6308	675.0 - 1320.0	2214.0 - 4329.6	2	Tundra Regent HZNTL		
	09-24-04-22	6308	1330.0 - 1405.0	4362.4 - 4608.4	2	Tundra Regent HZNTL		
	09-24-04-22	6308	1330.0 - 1405.0	4362.4 - 4608.4	2	Tundra Regent HZNTL		
	14-13-04-22	6374	690.0 - 1442.0	2263.2 - 4729.8	4	Tundra Regent HZNTL		
	14-13-04-22	6374	690.0 - 1442.0	2263.2 - 4729.8	4	Tundra Regent HZNTL		
	14-13-04-22	6374	900.0 - 1380.0	2952.0 - 4526.4	2	Tundra Regent HZNTL		
	14-13-04-22	6374	900.0 - 1380.0	2952.0 - 4526.4	2	Tundra Regent HZNTL		
	09-24-04-22	6308	675.0 - 1320.0	2214.0 - 4329.6	2	Tundra Regent HZNTL		
AT	05-33-08-29	9164	820.0 - 2435.0	2689.6 - 7986.8	4	Tundra Daly Sinclair HZNTL		
	09-24-09-28	7880	700.0 - 2343.0	2296.0 - 7685.0	7	Magellan et al Daly Sinclair Prov. HZNTL		
	07-03-02-28	8748	1010.0 - 2000.0	3312.8 - 6560.0	3	EOG Pierson HZNTL		
BT	01-10-11-28	8970	725.0 - 2312.0	2378.0 - 7583.4	7	CPEC Elkhorn HZNTL		
	16-33-08-28	9199	700.0 - 2279.0	2296.0 - 7475.1	7	Black Gold Daly Sinclair HZNTL		
CT	11-04-02-28	8409	1050.0 - 1804.0	3444.0 - 5917.1	2	EOG Pierson HZNTL		
	03-10-02-25	9015	890.0 - 1580.0	2919.2 - 5182.4	2	Waskada Unit No. 17 Prov. HZNTL		
	A11-20-01-27	8652	980.0 - 1829.0	3214.4 - 5999.1	2	EOG Coulter HZNTL		
	B07-06-01-24	8777	935.0 - 1657.0	3066.8 - 5435.0	2	EOG Waskada HZNTL		
	B11-20-01-27	8653	980.0 - 1820.0	3214.4 - 5969.6	2	EOG Coulter HZNTL		
	A07-06-01-24	8776	925.0 - 1634.0	3034.0 - 5359.5	2	EOG Waskada HZNTL		
	13-29-01-28	8897	1145.0 - 1807.0	3755.6 - 5927.0	2	EOG Pierson Prov. HZNTL		

## Non Confidential Sample Cuttings by Section / Row

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
244	DT	A04-06-01-24	8902	930.0 - 1830.0	3050.4 - 6002.4	3	EOG Waskada HZNTL
		04-06-01-24	8901	940.0 - 1847.0	3083.2 - 6058.2	3	EOG Waskada HZNTL
		A03-03-08-28	8823	840.0 - 2334.0	2755.2 - 7655.5	4	Tundra Daly Sinclair HZNTL
		A05-29-08-28	9135	840.0 - 2298.0	2755.2 - 7537.4	4	Tundra Daly Sinclair Prov. HZNTL
245	1A	08-19-03-28	6348	1191.0 - 2026.0	3906.5 - 6645.3	2	Tundra Pierson HZNTL
		15-05-03-21	6359	745.0 - 1715.0	2443.6 - 5625.2	3	Tundra Whitewater HZNTL
		08-19-03-28	6348	875.0 - 2169.0	2870.0 - 7114.3	4	Tundra Pierson HZNTL
		04-04-08-29	6355	870.0 - 1655.0	2853.6 - 5428.4	3	Sinclair Unit No. 1 Prov. HZNTL WIW
		08-19-03-28	6348	875.0 - 2169.0	2870.0 - 7114.3	4	Tundra Pierson HZNTL
		08-19-03-28	6348	1191.0 - 2026.0	3906.5 - 6645.3	2	Tundra Pierson HZNTL
	1B	12-26-04-22	6367	675.0 - 803.0	2214.0 - 2633.8	3	Tundra Regent
		09-31-05-21	6390	145.0 - 781.5	475.6 - 2563.3	3	Tundra Elgin
		01-23-04-22	6379	145.0 - 816.0	475.6 - 2676.5	3	Tundra Regent
		15-22-04-22	6378	145.0 - 820.5	475.6 - 2691.2	3	Tundra Regent
	1C	13-34-07-29	6301	860.0 - 1016.0	2820.8 - 3332.5	1	Tundra Sinclair Prov.
		14-34-07-29	6304	865.0 - 1013.0	2837.2 - 3322.6	1	Tundra Sinclair Prov.
		13-30-07-28	6299	825.0 - 980.0	2706.0 - 3214.4	1	Tundra Sinclair
		12-30-07-28	6298	825.0 - 987.0	2706.0 - 3237.4	1	Tundra Sinclair
		09-05-07-28	6343	835.0 - 1009.5	2738.8 - 3311.2	1	Tundra Sinclair
		16-36-02-22	6424	770.0 - 905.0	2525.6 - 2968.4	1	Tundra Mountainside
		04-30-07-28	6295	835.0 - 992.0	2738.8 - 3253.8	1	Tundra Sinclair
		04-18-05-21	6399	145.0 - 829.5	475.6 - 2720.8	3	Tundra Elgin
		11-28-07-29	6351	885.0 - 1040.5	2902.8 - 3412.8	1	Tundra Sinclair
		05-30-07-28	6296	825.0 - 987.0	2706.0 - 3237.4	1	Tundra Sinclair
	2A	01-24-08-29	6401	810.0 - 1020.5	2656.8 - 3347.2	1	Tundra Sinclair Prov. HZNTL
		01-24-08-29	6401	810.0 - 1020.5	2656.8 - 3347.2	1	Tundra Sinclair Prov. HZNTL
		01-24-08-29	6401	810.0 - 1020.5	2656.8 - 3347.2	1	Tundra Sinclair Prov. HZNTL
		01-24-08-29	6401	1030.0 - 2774.0	3378.4 - 9098.7	4	Tundra Sinclair Prov. HZNTL
		01-24-08-29	6401	1030.0 - 2774.0	3378.4 - 9098.7	4	Tundra Sinclair Prov. HZNTL
		01-24-08-29	6401	1030.0 - 2774.0	3378.4 - 9098.7	4	Tundra Sinclair Prov. HZNTL
		01-24-08-29	6401	1070.0 - 2473.0	3509.6 - 8111.4	3	Tundra Sinclair Prov. HZNTL
		01-24-08-29	6401	1070.0 - 2473.0	3509.6 - 8111.4	3	Tundra Sinclair Prov. HZNTL
01-24-08-29		6401	1070.0 - 2473.0	3509.6 - 8111.4	3	Tundra Sinclair Prov. HZNTL	
01-24-08-29		6401	1050.0 - 2270.0	3444.0 - 7445.6	3	Tundra Sinclair Prov. HZNTL	
01-24-08-29		6401	1050.0 - 2270.0	3444.0 - 7445.6	3	Tundra Sinclair Prov. HZNTL	
2B	01-12-05-22	6409	665.0 - 845.0	2181.2 - 2771.6	1	Tundra Underhill Prov.	
	07-33-01-24	6277	1155.0 - 1695.0	3788.4 - 5559.6	3	New Midland Waskada HZNTL	
	07-33-01-24	6277	1155.0 - 1695.0	3788.4 - 5559.6	3	New Midland Waskada HZNTL	
	14-23-04-22	6429	665.0 - 814.0	2181.2 - 2669.9	1	Tundra Regent	
	01-28-01-25	4311	750.0 - 1637.0	2460.0 - 5369.4	3	Enron et al Waskada Prov.	
	16-28-01-24	6426	965.0 - 1543.0	3165.2 - 5061.0	3	New Midland Waskada HZNTL	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
245	2C	15-21-01-25	4245	760.0 - 1650.0	2492.8 - 5412.0	3	Enron Waskada
		06-02-02-25	6391	735.0 - 1625.0	2410.8 - 5330.0	3	EOG Waskada HZNTL
		09-18-07-28	6319	825.0 - 987.0	2706.0 - 3237.4	1	Tundra Sinclair Prov.
		15-18-07-28	6325	835.0 - 989.0	2738.8 - 3243.9	1	Tundra Sinclair Prov.
		03-16-01-24	6405	760.0 - 1660.0	2492.8 - 5444.8	3	EOG Waskada Prov. HZNTL
	3A	15-04-01-24	6431	765.0 - 1820.0	2509.2 - 5969.6	3	EOG Waskada HZNTL
		11-32-09-25	6267	390.0 - 1430.0	1279.2 - 4690.4	7	Routledge Unit No.1 Prov. HZNTL
		11-32-09-25	6267	390.0 - 1430.0	1279.2 - 4690.4	7	Routledge Unit No.1 Prov. HZNTL
	3B	11-23-10-26	6389	405.0 - 1637.0	1328.4 - 5369.4	5	Virден Roselea Unit No. 1 HZNTL
		09-10-06-22	6393	600.0 - 1604.0	1968.0 - 5261.1	3	Tundra Souris Hartney HZNTL
		09-10-06-22	6393	600.0 - 1604.0	1968.0 - 5261.1	3	Tundra Souris Hartney HZNTL
		09-10-06-22	6393	860.0 - 1468.0	2820.8 - 4815.0	2	Tundra Souris Hartney HZNTL
		09-10-06-22	6393	860.0 - 1468.0	2820.8 - 4815.0	2	Tundra Souris Hartney HZNTL
	3C	13-33-09-25	6271	395.0 - 1183.0	1295.6 - 3880.2	9	Routledge Unit No. 1 HZNTL
		13-33-09-25	6271	395.0 - 1183.0	1295.6 - 3880.2	9	Routledge Unit No. 1 HZNTL
		13-33-09-25	6271	395.0 - 1183.0	1295.6 - 3880.2	9	Routledge Unit No. 1 HZNTL
		07-18-07-28	6317	835.0 - 995.0	2738.8 - 3263.6	1	Tundra Sinclair Prov.
	4A	12-23-10-26	6394	430.0 - 1527.0	1410.4 - 5008.6	9	Virден Roselea Unit No. 1 HZNTL
		02-17-07-28	6373	820.0 - 985.0	2689.6 - 3230.8	1	Tundra Sinclair
		12-23-10-26	6394	430.0 - 1527.0	1410.4 - 5008.6	9	Virден Roselea Unit No. 1 HZNTL
	4B	13-24-11-27	6332	575.0 - 1722.0	1886.0 - 5648.2	4	Tundra Virден HZNTL
		13-24-11-27	6332	1060.0 - 1386.0	3476.8 - 4546.1	1	Tundra Virден HZNTL
		13-24-11-27	6332	1060.0 - 1386.0	3476.8 - 4546.1	1	Tundra Virден HZNTL
		05-25-04-22	6381	675.0 - 1420.0	2214.0 - 4657.6	4	Tundra Regent HZNTL
		05-25-04-22	6381	675.0 - 1420.0	2214.0 - 4657.6	4	Tundra Regent HZNTL
13-24-11-27		6332	575.0 - 1722.0	1886.0 - 5648.2	4	Tundra Virден HZNTL	
14-28-07-29		6352	885.0 - 1049.0	2902.8 - 3440.7	1	Tundra Sinclair	
4C	06-28-07-29	6350	885.0 - 1036.0	2902.8 - 3398.1	1	Tundra Sinclair Prov.	
	10-18-07-28	6320	835.0 - 995.0	2738.8 - 3263.6	1	Tundra Sinclair Prov.	
	05-06-05-21	6407	145.0 - 845.0	475.6 - 2771.6	3	Tundra Elgin	
	02-07-05-21	6408	145.0 - 840.0	475.6 - 2755.2	3	Tundra Elgin	
	10-28-07-29	6396	885.0 - 1045.0	2902.8 - 3427.6	1	Tundra Sinclair	
	06-30-07-28	6328	825.0 - 984.0	2706.0 - 3227.5	1	Tundra Sinclair	
5A	07-09-02-24	6415	135.0 - 940.0	442.8 - 3083.2	4	New Midland Goodlands	
	15-36-07-29	6148	825.0 - 991.5	2706.0 - 3252.1	1	Tundra Sinclair Prov.	
	05-35-01-24	6420	830.0 - 1040.0	2722.4 - 3411.2	1	New Midland Waskada	
	03-36-07-29	6274	835.0 - 991.5	2738.8 - 3252.1	1	Tundra Sinclair	
	02-29-10-26	6421	575.0 - 1640.0	1886.0 - 5379.2	3	Tundra Virден Prov. HZNTL	
5B	11-26-04-22	6452	910.0 - 1600.0	2984.8 - 5248.0	2	Tundra Regent HZNTL	
	11-26-04-22	6452	680.0 - 1746.0	2230.4 - 5726.9	3	Tundra Regent HZNTL	
	11-26-04-22	6452	680.0 - 1746.0	2230.4 - 5726.9	3	Tundra Regent HZNTL	
	05-21-09-25	6469	425.0 - 1383.0	1394.0 - 4536.2	4	Routledge Unit No. 1 HZNTL	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
245	5B	11-26-04-22	6452	910.0 - 1600.0	2984.8 - 5248.0	2	Tundra Regent HZNTL
	5C	07-22-09-25	6445	445.0 - 1791.0	1459.6 - 5874.5	10	Routledge Unit No. 1 HZNTL
		07-22-09-25	6445	445.0 - 1791.0	1459.6 - 5874.5	10	Routledge Unit No. 1 HZNTL
	6A	15-05-02-29	6480	975.0 - 1040.0	3198.0 - 3411.2	1	CNRL Pierson
		11D-04-02-29	6479	975.0 - 1039.0	3198.0 - 3407.9	1	South Pierson Unit No. 1 Prov.
		16-21-09-25	6432	450.0 - 1703.0	1476.0 - 5585.8	6	Routledge Unit No. 1 HZNTL
		16-21-09-25	6432	450.0 - 1703.0	1476.0 - 5585.8	6	Routledge Unit No. 1 HZNTL
		16-21-09-25	6432	785.0 - 1779.0	2574.8 - 5835.1	4	Routledge Unit No. 1 HZNTL
		A05-08-02-29	6482	1020.0 - 1040.0	3345.6 - 3411.2	1	CNRL Pierson Prov. DIR
		16-21-09-25	6432	785.0 - 1779.0	2574.8 - 5835.1	4	Routledge Unit No. 1 HZNTL
		A06-08-02-29	6483	1180.0 - 1263.5	3870.4 - 4144.3	1	South Pierson Unit No. 1 Prov. DIR
	6B	16-28-09-25	6446	435.0 - 1573.0	1426.8 - 5159.4	8	Routledge Unit No. 1 HZNTL
		14-06-02-24	6523	125.0 - 960.0	410.0 - 3148.8	4	New Midland Goodlands
		16-28-09-25	6446	435.0 - 1573.0	1426.8 - 5159.4	8	Routledge Unit No. 1 HZNTL
	6C	06-05-08-28	6529	760.0 - 980.0	2492.8 - 3214.4	2	Border Sinclair
	6c	15-19-02-28	6499	1095.0 - 1751.0	3591.6 - 5743.3	3	1346329 AB Pierson HZNTL
		07-18-08-29	6433	400.0 - 1028.5	1312.0 - 3373.5	3	Tundra Sinclair Prov.
		06-17-16-29	6377	140.0 - 619.0	459.2 - 2030.3	2	Tundra St. Lazare
		07-19-08-29	6423	400.0 - 1026.0	1312.0 - 3365.3	3	Tundra Sinclair
	AT	11-35-02-28	8916	980.0 - 1673.0	3214.4 - 5487.4	2	EOG Pierson HZNTL
		12-22-08-28	9236	740.0 - 2374.0	2427.2 - 7786.7	4	Corval Daly Sinclair HZNTL
		A04-33-08-28	9115	800.0 - 2323.0	2624.0 - 7619.4	4	Corval Daly Sinclair HZNTL
		16-07-09-28	9126	700.0 - 2305.0	2296.0 - 7560.4	4	Corval Daly Sinclair HZNTL
	B1	13-04-07-28	6572	850.0 - 1020.5	2788.0 - 3347.2	1	Tundra Sinclair Prov. DIR
BT	04-23-08-28	9170	740.0 - 2444.0	2427.2 - 8016.3	4	Corval Daly Sinclair HZNTL	
	10-17-02-28	9257	800.0 - 1690.0	2624.0 - 5543.2	5	Melita Pierson HZNTL	
	08-21-01-25	8326	965.0 - 1707.0	3165.2 - 5599.0	2	EOG Waskada HZNTL	
	16-03-02-28	8851	980.0 - 1721.0	3214.4 - 5644.9	2	EOG Pierson HZNTL	
	A01-21-01-25	8325	965.0 - 1690.0	3165.2 - 5543.2	2	EOG Waskada HZNTL	
C6	03-07-09-28	6536	770.0 - 970.0	2525.6 - 3181.6	1	5199442 MB Daly	
	03-07-09-28	6536	770.0 - 970.0	2525.6 - 3181.6	1	5199442 MB Daly	
	04-07-09-28	6524	780.0 - 970.0	2558.4 - 3181.6	1	5199442 MB Daly	
	04-07-09-28	6524	780.0 - 970.0	2558.4 - 3181.6	1	5199442 MB Daly	
CT	B05-06-01-24	8773	920.0 - 1654.0	3017.6 - 5425.1	2	EOG Waskada HZNTL	
	03-29-02-29	8924	1025.0 - 1670.0	3362.0 - 5477.6	2	EOG Pierson Prov. HZNTL	
	15-24-01-25	8754	900.0 - 1804.0	2952.0 - 5917.1	3	EOG Waskada HZNTL	
	03-05-01-24	8332	920.0 - 1682.0	3017.6 - 5517.0	2	EOG Waskada HZNTL	
	05-20-10-28	8799	800.0 - 2173.0	2624.0 - 7127.4	3	Tundra Daly Sinclair HZNTL	
	12-14-09-29	8934	860.0 - 2198.0	2820.8 - 7209.4	3	Tundra Daly Sinclair HZNTL	
246	1A	08-09-02-24	6490	1020.0 - 1213.0	3345.6 - 3978.6	1	New Midland Armstrong Goodlands HZNTL
		08-09-02-24	6490	1020.0 - 1213.0	3345.6 - 3978.6	1	New Midland Armstrong Goodlands HZNTL

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
246	1A	08-09-02-24	6490	1020.0 - 1213.0	3345.6 - 3978.6	1	New Midland Armstrong Goodlands HZNTL
		08-09-02-24	6490	1055.0 - 1398.0	3460.4 - 4585.4	2	New Midland Armstrong Goodlands HZNTL
		08-09-02-24	6490	1055.0 - 1398.0	3460.4 - 4585.4	2	New Midland Armstrong Goodlands HZNTL
		08-09-02-24	6490	1055.0 - 1398.0	3460.4 - 4585.4	2	New Midland Armstrong Goodlands HZNTL
		08-09-02-24	6490	975.0 - 1231.0	3198.0 - 4037.7	2	New Midland Armstrong Goodlands HZNTL
		08-09-02-24	6490	975.0 - 1231.0	3198.0 - 4037.7	2	New Midland Armstrong Goodlands HZNTL
		08-09-02-24	6490	975.0 - 1231.0	3198.0 - 4037.7	2	New Midland Armstrong Goodlands HZNTL
1C		03-30-02-28	6612	940.0 - 1541.0	3083.2 - 5054.5	3	CNRL Pierson HZNTL
		07-19-02-28	6525	975.0 - 1924.5	3198.0 - 6312.4	4	1346329 AB Pierson HZNTL
		07-19-02-28	6525	1150.0 - 1924.5	3772.0 - 6312.4	4	1346329 AB Pierson HZNTL
2C		02-25-02-29	6589	850.0 - 1694.0	2788.0 - 5556.3	4	CNRL Pierson HZNTL
3A		13-13-04-22	6478	920.0 - 1568.0	3017.6 - 5143.0	2	Tundra Regent HZNTL
		03-25-08-29	6574	800.0 - 1840.0	2624.0 - 6035.2	3	Tundra Sinclair HZNTL
		13-13-04-22	6478	920.0 - 1568.0	3017.6 - 5143.0	2	Tundra Regent HZNTL
		A07-19-03-28	6498	885.0 - 1800.0	2902.8 - 5904.0	3	Tundra Pierson HZNTL
		13-13-04-22	6478	695.0 - 1760.0	2279.6 - 5772.8	3	Tundra Regent HZNTL
		13-13-04-22	6478	695.0 - 1760.0	2279.6 - 5772.8	3	Tundra Regent HZNTL
3B		07-18-02-28	6540	1100.0 - 1797.0	3608.0 - 5894.2	3	1346329 AB Pierson HZNTL
6A		05-22-06-22	6358	815.0 - 1161.0	2673.2 - 3808.1	2	Antler River Souris Hartney HZNTL
		05-22-06-22	6358	815.0 - 1161.0	2673.2 - 3808.1	2	Antler River Souris Hartney HZNTL
		10-12-05-22	6459	660.0 - 1021.0	2164.8 - 3348.9	2	Tundra Underhill HZNTL
		10-12-05-22	6459	660.0 - 1021.0	2164.8 - 3348.9	2	Tundra Underhill HZNTL
		05-22-06-22	6358	650.0 - 1185.0	2132.0 - 3886.8	5	Antler River Souris Hartney HZNTL
		05-22-06-22	6358	650.0 - 1185.0	2132.0 - 3886.8	5	Antler River Souris Hartney HZNTL
		05-22-06-22	6358	650.0 - 1185.0	2132.0 - 3886.8	5	Antler River Souris Hartney HZNTL
		05-22-06-22	6358	855.0 - 1171.0	2804.4 - 3840.9	3	Antler River Souris Hartney HZNTL
		05-22-06-22	6358	855.0 - 1171.0	2804.4 - 3840.9	3	Antler River Souris Hartney HZNTL
		05-22-06-22	6358	855.0 - 1171.0	2804.4 - 3840.9	3	Antler River Souris Hartney HZNTL
6B		05-07-09-28	6371	135.0 - 967.0	442.8 - 3171.8	4	5199442 MB Daly
		07-34-04-22	6493	940.0 - 1557.0	3083.2 - 5107.0	1	Tundra et al Regent HZNTL
		07-34-04-22	6493	940.0 - 1557.0	3083.2 - 5107.0	1	Tundra et al Regent HZNTL
		07-34-04-22	6493	690.0 - 1567.0	2263.2 - 5139.8	3	Tundra et al Regent HZNTL
		12-09-07-29	6520	135.0 - 1130.0	442.8 - 3706.4	4	Grand Banks Sinclair
		07-34-04-22	6493	690.0 - 1567.0	2263.2 - 5139.8	3	Tundra et al Regent HZNTL
		07-34-04-22	6493	690.0 - 1567.0	2263.2 - 5139.8	3	Tundra et al Regent HZNTL
6C		15-23-04-22	6503	695.0 - 1863.0	2279.6 - 6110.6	3	Tundra Regent HZNTL
		15-23-04-22	6503	960.0 - 1806.0	3148.8 - 5923.7	2	Tundra Regent HZNTL
		15-23-04-22	6503	960.0 - 1806.0	3148.8 - 5923.7	2	Tundra Regent HZNTL
		15-23-04-22	6503	695.0 - 1863.0	2279.6 - 6110.6	3	Tundra Regent HZNTL
A1		13-31-07-28	6538	850.0 - 1024.5	2788.0 - 3360.4	1	Tundra et al Sinclair DIR
		06-24-04-22	6474	690.0 - 1558.0	2263.2 - 5110.2	3	Tundra Regent HZNTL
		06-24-04-22	6474	690.0 - 1558.0	2263.2 - 5110.2	3	Tundra Regent HZNTL



**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
246	A1	06-24-04-22	6474	920.0 - 1702.0	3017.6 - 5582.6	2	Tundra Regent HZNTL
		06-24-04-22	6474	920.0 - 1702.0	3017.6 - 5582.6	2	Tundra Regent HZNTL
	A2	02-03-05-22	6578	960.0 - 1486.0	3148.8 - 4874.1	1	Tundra Underhill HZNTL
		02-03-05-22	6578	695.0 - 1442.0	2279.6 - 4729.8	3	Tundra Underhill HZNTL
		02-03-05-22	6578	695.0 - 1442.0	2279.6 - 4729.8	3	Tundra Underhill HZNTL
		02-03-05-22	6578	695.0 - 1442.0	2279.6 - 4729.8	3	Tundra Underhill HZNTL
		02-03-05-22	6578	960.0 - 1486.0	3148.8 - 4874.1	1	Tundra Underhill HZNTL
		06-31-04-21	6528	1097.0 - 1353.0	3598.2 - 4437.8	1	Tundra Regent HZNTL
		06-31-04-21	6528	1097.0 - 1353.0	3598.2 - 4437.8	1	Tundra Regent HZNTL
		06-31-04-21	6528	1097.0 - 1353.0	3598.2 - 4437.8	1	Tundra Regent HZNTL
		06-31-04-21	6528	900.0 - 1472.0	2952.0 - 4828.2	2	Tundra Regent HZNTL
		06-31-04-21	6528	900.0 - 1472.0	2952.0 - 4828.2	2	Tundra Regent HZNTL
		06-31-04-21	6528	900.0 - 1472.0	2952.0 - 4828.2	2	Tundra Regent HZNTL
		06-31-04-21	6528	695.0 - 1406.0	2279.6 - 4611.7	2	Tundra Regent HZNTL
		06-31-04-21	6528	695.0 - 1406.0	2279.6 - 4611.7	2	Tundra Regent HZNTL
		06-31-04-21	6528	695.0 - 1406.0	2279.6 - 4611.7	2	Tundra Regent HZNTL
		02-03-05-22	6578	960.0 - 1486.0	3148.8 - 4874.1	1	Tundra Underhill HZNTL
		02-03-05-22	6578	990.0 - 1461.0	3247.2 - 4792.1	2	Tundra Underhill HZNTL
		02-03-05-22	6578	990.0 - 1461.0	3247.2 - 4792.1	2	Tundra Underhill HZNTL
		02-03-05-22	6578	990.0 - 1461.0	3247.2 - 4792.1	2	Tundra Underhill HZNTL
A3	16-15-11-26	6745	820.0 - 1485.0	2689.6 - 4870.8	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	345.0 - 958.0	1131.6 - 3142.2	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	345.0 - 958.0	1131.6 - 3142.2	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	345.0 - 958.0	1131.6 - 3142.2	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	820.0 - 1485.0	2689.6 - 4870.8	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	835.0 - 1272.0	2738.8 - 4172.2	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	835.0 - 1272.0	2738.8 - 4172.2	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	820.0 - 1485.0	2689.6 - 4870.8	3	North Virden Scallion Unit No. 1 HZNTL	
	16-15-11-26	6745	835.0 - 1272.0	2738.8 - 4172.2	3	North Virden Scallion Unit No. 1 HZNTL	
A4	09-07-02-28	6611	1163.5 - 1987.0	3816.3 - 6517.4	4	1346329 AB Pierson HZNTL	
	05-26-04-22	6618	690.0 - 1645.0	2263.2 - 5395.6	3	Tundra Regent HZNTL	
	05-26-04-22	6618	940.0 - 1673.0	3083.2 - 5487.4	3	Tundra Regent HZNTL	
	05-26-04-22	6618	940.0 - 1673.0	3083.2 - 5487.4	3	Tundra Regent HZNTL	
	05-26-04-22	6618	690.0 - 1645.0	2263.2 - 5395.6	3	Tundra Regent HZNTL	
A5	15-20-09-25	6543	865.0 - 1460.0	2837.2 - 4788.8	3	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	420.0 - 1360.0	1377.6 - 4460.8	4	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	420.0 - 1360.0	1377.6 - 4460.8	4	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	800.0 - 1733.0	2624.0 - 5684.2	4	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	420.0 - 1360.0	1377.6 - 4460.8	4	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	865.0 - 1460.0	2837.2 - 4788.8	3	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	865.0 - 1460.0	2837.2 - 4788.8	3	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	800.0 - 1733.0	2624.0 - 5684.2	4	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	800.0 - 1733.0	2624.0 - 5684.2	4	Enerplus Virden Prov. HZNTL	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
246	AT	05-04-09-29	9188	900.0 - 2261.0	2952.0 - 7416.1	3	Tundra Daly Sinclair Prov. HZNTL
		01-14-08-27	8861	140.0 - 945.0	459.2 - 3099.6	4	Henuset Daly Sinclair Prov.
		A12-22-08-28	9237	780.0 - 2254.0	2558.4 - 7393.1	4	Corval Daly Sinclair HZNTL
		09-23-02-29	8789	980.0 - 1658.0	3214.4 - 5438.2	3	CNRL Pierson HZNTL
	B1	05-19-03-28	6497	885.0 - 1677.0	2902.8 - 5500.6	3	Tundra Pierson HZNTL
		05-19-03-28	6497	885.0 - 1677.0	2902.8 - 5500.6	3	Tundra Pierson HZNTL
		01-15-06-27	6545	940.0 - 1554.0	3083.2 - 5097.1	2	Tundra South Reston HZNTL
		01-15-06-27	6545	940.0 - 1554.0	3083.2 - 5097.1	2	Tundra South Reston HZNTL
		05-19-03-28	6497	1130.0 - 1730.0	3706.4 - 5674.4	2	Tundra Pierson HZNTL
		05-19-03-28	6497	1130.0 - 1730.0	3706.4 - 5674.4	2	Tundra Pierson HZNTL
		01-15-06-27	6545	940.0 - 1554.0	3083.2 - 5097.1	2	Tundra South Reston HZNTL
		01-15-06-27	6545	710.0 - 1639.0	2328.8 - 5375.9	3	Tundra South Reston HZNTL
		01-15-06-27	6545	710.0 - 1639.0	2328.8 - 5375.9	3	Tundra South Reston HZNTL
		01-15-06-27	6545	920.0 - 1520.0	3017.6 - 4985.6	1	Tundra South Reston HZNTL
		01-15-06-27	6545	920.0 - 1520.0	3017.6 - 4985.6	1	Tundra South Reston HZNTL
		01-15-06-27	6545	920.0 - 1520.0	3017.6 - 4985.6	1	Tundra South Reston HZNTL
		01-15-06-27	6545	710.0 - 1639.0	2328.8 - 5375.9	3	Tundra South Reston HZNTL
	B2	14-20-06-22	6531	140.0 - 713.0	459.2 - 2338.6	3	Tundra Souris Hartney
		15-01-04-22	6521	140.0 - 825.0	459.2 - 2706.0	3	Tundra Regent
		09-34-01-25	6913	650.0 - 1639.0	2132.0 - 5375.9	3	Waskada Unit No. 19 Prov. HZNTL
		06-30-02-28	6599	895.0 - 990.0	2935.6 - 3247.2	1	CNRL Pierson
		04-30-02-28	6598	890.0 - 989.5	2919.2 - 3245.6	1	CNRL Pierson
	B4	15-22-04-22	6552	695.0 - 820.0	2279.6 - 2689.6	1	Tundra Regent HZNTL
		15-22-04-22	6552	695.0 - 820.0	2279.6 - 2689.6	1	Tundra Regent HZNTL
		15-22-04-22	6552	695.0 - 1442.0	2279.6 - 4729.8	2	Tundra Regent HZNTL
		15-22-04-22	6552	695.0 - 1442.0	2279.6 - 4729.8	2	Tundra Regent HZNTL
		07-30-02-29	6652	950.0 - 1033.0	3116.0 - 3388.2	1	CNRL Pierson
13-30-02-29		6655	945.0 - 1034.0	3099.6 - 3391.5	1	CNRL Pierson	
07-07-05-21		6544	660.0 - 1625.0	2164.8 - 5330.0	3	Tundra Elgin HZNTL	
07-07-05-21		6544	660.0 - 1625.0	2164.8 - 5330.0	3	Tundra Elgin HZNTL	
07-07-05-21		6544	870.0 - 1385.0	2853.6 - 4542.8	2	Tundra Elgin HZNTL	
07-07-05-21		6544	870.0 - 1385.0	2853.6 - 4542.8	2	Tundra Elgin HZNTL	
B5	15-20-09-25	6543	1465.0 - 1548.0	4805.2 - 5077.4	1	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	1465.0 - 1548.0	4805.2 - 5077.4	1	Enerplus Virden Prov. HZNTL	
	15-20-09-25	6543	1465.0 - 1548.0	4805.2 - 5077.4	1	Enerplus Virden Prov. HZNTL	
	03-05-10-25	6561	790.0 - 1460.0	2591.2 - 4788.8	2	Routledge Unit No. 1 HZNTL	
	03-05-10-25	6561	790.0 - 1460.0	2591.2 - 4788.8	2	Routledge Unit No. 1 HZNTL	
	03-05-10-25	6561	790.0 - 1460.0	2591.2 - 4788.8	2	Routledge Unit No. 1 HZNTL	
	03-05-10-25	6561	885.0 - 1406.0	2902.8 - 4611.7	3	Routledge Unit No. 1 HZNTL	
	03-05-10-25	6561	885.0 - 1406.0	2902.8 - 4611.7	3	Routledge Unit No. 1 HZNTL	
	03-05-10-25	6561	885.0 - 1406.0	2902.8 - 4611.7	3	Routledge Unit No. 1 HZNTL	
	03-05-10-25	6561	425.0 - 1430.0	1394.0 - 4690.4	5	Routledge Unit No. 1 HZNTL	
	03-05-10-25	6561	425.0 - 1430.0	1394.0 - 4690.4	5	Routledge Unit No. 1 HZNTL	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
246	B5	03-05-10-25	6561	425.0 - 1430.0	1394.0 - 4690.4	5	Routledge Unit No. 1 HZNTL
	BT	A09-16-08-28	8724	850.0 - 2309.5	2788.0 - 7575.2	4	Tundra Daly Sinclair Prov. HZNTL
		05-15-08-29	8537	830.0 - 2530.0	2722.4 - 8298.4	4	Sinclair Unit No. 7 HZNTL
		06-28-17-26	9118	160.0 - 600.0	524.8 - 1968.0	2	Tundra Birtle
		A08-32-10-28	9192	700.0 - 2205.0	2296.0 - 7232.4	4	Tundra Daly Sinclair Prov. HZNTL
	C1	01-36-02-29	6625	940.0 - 1320.0	3083.2 - 4329.6	2	White North Pierson
		01-36-02-29	6625	940.0 - 1320.0	3083.2 - 4329.6	2	White North Pierson
		15-08-07-28	6532	815.0 - 1026.0	2673.2 - 3365.3	1	Tundra et al Sinclair DIR
	C2	11-07-02-28	6622	1172.0 - 1982.0	3844.2 - 6501.0	4	1346329 AB Pierson HZNTL
		05-10-11-29	6871	110.0 - 879.0	360.8 - 2883.1	4	Reliable South Kirkella Prov.
		09-30-02-29	6653	955.0 - 1031.6	3132.4 - 3383.6	1	CNRL Pierson
		11-30-02-29	6654	955.0 - 1032.5	3132.4 - 3386.6	1	CNRL Pierson
		09-11-02-25	6629	640.0 - 1908.0	2099.2 - 6258.2	4	EOG Waskada Prov. HZNTL
		05-10-11-29	6871	110.0 - 879.0	360.8 - 2883.1	4	Reliable South Kirkella Prov.
	C3	03-15-07-29	6626	890.0 - 1778.0	2919.2 - 5831.8	4	Grand Banks Sinclair HZNTL
		01-11-07-29	6619	870.0 - 2362.7	2853.6 - 7749.7	6	Grand Banks Sinclair Prov. HZNTL
		04-21-11-29	7034	700.0 - 878.0	2296.0 - 2879.8	1	T. Bird et al South Kirkella
	C4	07-30-05-22	6583	150.0 - 1089.0	492.0 - 3571.9	5	Tundra Underhill HZNTL
		07-30-05-22	6583	150.0 - 1089.0	492.0 - 3571.9	5	Tundra Underhill HZNTL
		07-30-05-22	6583	150.0 - 1089.0	492.0 - 3571.9	5	Tundra Underhill HZNTL
		07-30-05-22	6583	877.0 - 978.0	2876.6 - 3207.8	1	Tundra Underhill HZNTL
		07-30-05-22	6583	877.0 - 978.0	2876.6 - 3207.8	1	Tundra Underhill HZNTL
		07-30-05-22	6583	877.0 - 978.0	2876.6 - 3207.8	1	Tundra Underhill HZNTL
		A08-09-02-24	6630	970.0 - 1400.0	3181.6 - 4592.0	2	New Midland et al Goodlands HZNTL
		A08-09-02-24	6630	970.0 - 1400.0	3181.6 - 4592.0	2	New Midland et al Goodlands HZNTL
		A08-09-02-24	6630	990.0 - 1280.0	3247.2 - 4198.4	2	New Midland et al Goodlands HZNTL
	C5	09-29-09-25	6542	805.0 - 1528.0	2640.4 - 5011.8	4	Routledge Unit No. 1 HZNTL
09-29-09-25		6542	410.0 - 1508.0	1344.8 - 4946.2	4	Routledge Unit No. 1 HZNTL	
09-29-09-25		6542	805.0 - 1528.0	2640.4 - 5011.8	4	Routledge Unit No. 1 HZNTL	
09-29-09-25		6542	410.0 - 1508.0	1344.8 - 4946.2	4	Routledge Unit No. 1 HZNTL	
C6	15-14-07-29	6530	880.0 - 1125.0	2886.4 - 3690.0	4	Grand Banks Sinclair Prov. HZNTL	
	05-15-02-29	6475	850.0 - 1748.0	2788.0 - 5733.4	3	South Pierson Unit No. 1 HZNTL	
CT	08-03-13-28	9200	590.0 - 736.0	1935.2 - 2414.1	1	CPEC East Manson	
	16-33-07-29	8802	860.0 - 2311.0	2820.8 - 7580.1	4	Sinclair Unit No. 8 HZNTL	
	02-03-13-28	9197	590.0 - 2156.0	1935.2 - 7071.7	7	CPEC East Manson HZNTL	
	04-27-09-26	9145	125.0 - 800.0	410.0 - 2624.0	3	Kingsland Virden	
247	2C	10-24-02-29	6674	850.0 - 998.0	2788.0 - 3273.4	1	CNRL Pierson
		06-31-01-24	6696	125.0 - 1205.0	410.0 - 3952.4	5	New Midland et al Goodlands
		05-19-02-29	6647	950.0 - 1041.5	3116.0 - 3416.1	1	CNRL Pierson
		16-24-02-29	6675	900.0 - 995.0	2952.0 - 3263.6	1	CNRL Pierson

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
247	3A	08-17-02-25	6636	640.0 - 1737.0	2099.2 - 5697.4	4	EOG Waskada HZNTL
		01-08-01-24	6635	640.0 - 1650.0	2099.2 - 5412.0	3	EOG Waskada HZNTL
		04-12-07-29	6660	870.0 - 2277.0	2853.6 - 7468.6	6	Grand Banks Sinclair Prov. HZNTL
	3B	16-14-07-29	6638	870.0 - 2480.0	2853.6 - 8134.4	7	Grand Banks Sinclair Prov. HZNTL
	4A	04-30-02-28	6699	830.0 - 1633.0	2722.4 - 5356.2	4	CNRL Pierson HZNTL
		14-19-02-29	6650	950.0 - 1041.5	3116.0 - 3416.1	1	CNRL Pierson
	4B	06-23-02-29	6673	900.0 - 1040.0	2952.0 - 3411.2	1	CNRL Pierson
		16-24-02-29	6676	870.0 - 1618.0	2853.6 - 5307.0	3	CNRL Pierson HZNTL
		01-19-02-29	6645	950.0 - 1036.0	3116.0 - 3398.1	1	CNRL Pierson
		10-16-02-29	6686	840.0 - 1494.0	2755.2 - 4900.3	4	South Pierson Unit No. 1 Prov. HZNTL
		10-16-02-29	6686	840.0 - 1494.0	2755.2 - 4900.3	4	South Pierson Unit No. 1 Prov. HZNTL
	4C	01-08-09-29	6668	1045.0 - 2043.0	3427.6 - 6701.0	2	Tundra Sinclair HZNTL
		03-34-02-28	6642	775.0 - 1646.0	2542.0 - 5398.9	4	CNRL Pierson HZNTL
		03-11-09-29	6685	790.0 - 2013.0	2591.2 - 6602.6	3	Tundra et al Daly Prov. HZNTL
		03-34-02-28	6642	775.0 - 1646.0	2542.0 - 5398.9	4	CNRL Pierson HZNTL
		13-36-08-29	6692	800.0 - 2039.0	2624.0 - 6687.9	3	Tundra Sinclair Prov. HZNTL
	5A	02-11-05-22	6664	145.0 - 782.0	475.6 - 2565.0	3	Tundra Underhill Prov. STH
		08-29-07-28	6722	810.0 - 2246.0	2656.8 - 7366.9	4	Tundra Sinclair Prov. HZNTL
		16-06-08-28	6706	815.0 - 2250.0	2673.2 - 7380.0	4	Tundra Sinclair Prov. HZNTL
	5B	15-03-05-22	6688	950.0 - 1544.0	3116.0 - 5064.3	2	Tundra Regent HZNTL
		15-03-05-22	6688	950.0 - 1544.0	3116.0 - 5064.3	2	Tundra Regent HZNTL
		15-03-05-22	6688	920.0 - 1870.0	3017.6 - 6133.6	2	Tundra Regent HZNTL
		15-03-05-22	6688	920.0 - 1870.0	3017.6 - 6133.6	2	Tundra Regent HZNTL
		15-03-05-22	6688	920.0 - 1870.0	3017.6 - 6133.6	2	Tundra Regent HZNTL
		15-03-05-22	6688	680.0 - 1754.0	2230.4 - 5753.1	2	Tundra Regent HZNTL
		15-03-05-22	6688	680.0 - 1754.0	2230.4 - 5753.1	2	Tundra Regent HZNTL
		15-03-05-22	6688	680.0 - 1754.0	2230.4 - 5753.1	2	Tundra Regent HZNTL
14-12-05-22		6679	145.0 - 787.0	475.6 - 2581.4	3	Tundra Underhill Prov. HZNTL	
12-02-05-22		6687	680.0 - 1724.0	2230.4 - 5654.7	3	Tundra Underhill HZNTL	
15-03-05-22	6688	950.0 - 1544.0	3116.0 - 5064.3	2	Tundra Regent HZNTL		
5C	13-19-02-29	6649	950.0 - 1042.0	3116.0 - 3417.8	1	CNRL Pierson	
	01-30-02-29	6651	955.0 - 1031.4	3132.4 - 3383.0	1	CNRL Pierson	
	A15-10-02-29	6484	975.0 - 1026.5	3198.0 - 3366.9	1	CNRL Pierson Prov.	
	02-25-02-29	6677	900.0 - 996.5	2952.0 - 3268.5	1	CNRL Pierson	
	09-19-02-29	6648	950.0 - 1036.5	3116.0 - 3399.7	1	CNRL Pierson	
	A14-24-02-29	6607	920.0 - 1000.7	3017.6 - 3282.3	1	CNRL Pierson	
	11-24-02-29	6606	905.0 - 1001.0	2968.4 - 3283.3	1	CNRL Pierson	
	04-08-08-28	6665	800.0 - 2010.0	2624.0 - 6592.8	3	Tundra Sinclair HZNTL	
	03-19-02-29	6646	950.0 - 1042.0	3116.0 - 3417.8	1	CNRL Pierson	
A1	14-15-03-28	6588	1150.0 - 2334.0	3772.0 - 7655.5	3	Tundra Pierson HZNTL	
	13-21-09-25	6444	425.0 - 1458.0	1394.0 - 4782.2	4	Routledge Unit No. 1 HZNTL	
	13-21-09-25	6444	795.0 - 1338.0	2607.6 - 4388.6	3	Routledge Unit No. 1 HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
247	A1	13-21-09-25	6444	795.0 - 1338.0	2607.6 - 4388.6	3	Routledge Unit No. 1 HZNTL
		14-15-03-28	6588	1065.0 - 2240.0	3493.2 - 7347.2	3	Tundra Pierson HZNTL
		14-15-03-28	6588	1065.0 - 2240.0	3493.2 - 7347.2	3	Tundra Pierson HZNTL
		14-15-03-28	6588	1150.0 - 2334.0	3772.0 - 7655.5	3	Tundra Pierson HZNTL
		13-21-09-25	6444	425.0 - 1458.0	1394.0 - 4782.2	4	Routledge Unit No. 1 HZNTL
	A2	12-07-09-29	6553	150.0 - 1006.0	492.0 - 3299.7	4	Tundra Sinclair
		03-28-07-29	6329	885.0 - 1036.5	2902.8 - 3399.7	1	Tundra Sinclair Prov.
		05-28-07-29	6349	885.0 - 1036.0	2902.8 - 3398.1	1	Tundra Sinclair Prov.
		14-24-07-29	6437	850.0 - 1010.0	2788.0 - 3312.8	1	Tundra Sinclair Prov.
		16-08-07-28	6533	820.0 - 1020.0	2689.6 - 3345.6	1	Tundra et al Sinclair DIR
		04-07-09-29	6576	855.0 - 1010.0	2804.4 - 3312.8	1	Tundra Sinclair
		12-26-08-29	6491	820.0 - 971.0	2689.6 - 3184.9	1	Tundra Sinclair
		12-07-09-29	6553	150.0 - 1006.0	492.0 - 3299.7	4	Tundra Sinclair
	A02-28-07-29	6495	885.0 - 1038.5	2902.8 - 3406.3	1	Tundra Sinclair Prov.	
	A3	02-16-11-29	7317	700.0 - 870.0	2296.0 - 2853.6	1	T. Bird et al South Kirkella
	A4	A02-11-07-29	6711	875.0 - 2220.0	2870.0 - 7281.6	6	Grand Banks Sinclair Prov. HZNTL
	AT	05-17-10-28	8804	725.0 - 2186.5	2378.0 - 7171.7	4	Tundra Daly Sinclair HZNTL
		A15-30-07-29	9184	930.0 - 2579.0	3050.4 - 8459.1	7	Red River Daly Sinclair Prov. HZNTL
		08-29-10-26	8780	615.0 - 1804.5	2017.2 - 5918.8	3	Tundra Virden Prov. HZNTL
		B08-16-02-28	9087	985.0 - 1726.0	3230.8 - 5661.3	2	EOG Pierson HZNTL
	B1	16-01-09-29	6591	795.0 - 2008.0	2607.6 - 6586.2	3	Tundra Daly HZNTL
		13-25-08-29	6617	795.0 - 2020.0	2607.6 - 6625.6	3	Tundra Sinclair HZNTL
		12-04-07-28	6571	160.0 - 1023.0	524.8 - 3355.4	4	Tundra Sinclair Prov. DIR
		16-30-08-28	6581	795.0 - 2007.0	2607.6 - 6583.0	3	Tundra Sinclair Prov. HZNTL
	B2	16-31-08-29	6451	850.0 - 996.5	2788.0 - 3268.5	1	Tundra Sinclair
14-34-01-25		5635	640.0 - 1637.0	2099.2 - 5369.4	3	Waskada Unit No 19	
07-08-01-24		5334	640.0 - 1630.0	2099.2 - 5346.4	3	EOG Waskada	
16-02-09-29		6496	150.0 - 950.5	492.0 - 3117.6	4	Tundra Daly	
05-19-05-22		6602	650.0 - 847.0	2132.0 - 2778.2	1	Tundra Underhill HZNTL	
06-31-08-29		6569	865.0 - 1013.0	2837.2 - 3322.6	1	Tundra Sinclair	
B3	11-02-06-29	6705	165.0 - 1201.0	541.2 - 3939.3	5	Lochaird et al Tilston Prov. DIR	
B4	06-15-02-29	6641	860.0 - 1743.0	2820.8 - 5717.0	4	CNRL Pierson HZNTL	
BT	A08-19-08-28	9245	900.0 - 2356.0	2952.0 - 7727.7	4	Tundra Daly Sinclair HZNTL	
	A01-32-10-28	9220	700.0 - 2360.0	2296.0 - 7740.8	4	Tundra Daly Sinclair Prov. HZNTL	
	12-10-09-28	8143	700.0 - 2406.0	2296.0 - 7891.7	7	Magellan et al Daly Sinclair Prov. HZNTL	
C1	04-02-09-29	6597	805.0 - 2120.0	2640.4 - 6953.6	4	Tundra Sinclair Prov. HZNTL	
	09-07-03-21	6425	145.0 - 864.0	475.6 - 2833.9	3	Tundra Whitewater	
	02-30-07-28	6327	825.0 - 985.0	2706.0 - 3230.8	1	Tundra Sinclair Prov.	
	09-28-07-29	6395	885.0 - 1039.5	2902.8 - 3409.6	1	Tundra Sinclair	
	14-31-08-29	6476	860.0 - 1006.0	2820.8 - 3299.7	1	Tundra Sinclair	
	02-10-09-29	6462	815.0 - 987.0	2673.2 - 3237.4	1	Tundra Daly Prov.	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
247	C1	10-35-07-29	6488	850.0 - 1005.0	2788.0 - 3296.4	1	Tundra Sinclair
	C2	03-27-08-28	6741	160.0 - 904.5	524.8 - 2966.8	3	White North Sinclair
		03-27-08-28	6741	160.0 - 904.5	524.8 - 2966.8	3	White North Sinclair
	C3	05-32-08-28	6567	140.0 - 929.5	459.2 - 3048.8	4	Tundra Sinclair
		14-22-09-28	6419	375.0 - 910.0	1230.0 - 2984.8	3	Kiwi Daly
		14-22-09-28	6419	375.0 - 910.0	1230.0 - 2984.8	3	Kiwi Daly
		12-11-09-29	6526	140.0 - 963.0	459.2 - 3158.6	4	Tundra Daly Prov.
	CC1	12-11-09-29	6526	140.0 - 963.0	459.2 - 3158.6	4	Tundra Daly Prov.
		07-28-07-29	6477	890.0 - 1038.5	2919.2 - 3406.3	1	Tundra Sinclair Prov.
	CT	14-04-02-28	9142	990.0 - 1740.0	3247.2 - 5707.2	2	EOG Pierson HZNTL
		B14-04-02-28	9144	995.0 - 1860.0	3263.6 - 6100.8	2	EOG Pierson HZNTL
		A14-04-02-28	9143	985.0 - 1720.0	3230.8 - 5641.6	2	EOG Pierson HZNTL
		A16-31-08-28	9289	840.0 - 2273.0	2755.2 - 7455.4	4	Tundra Daly Sinclair HZNTL
		09-35-09-28	9231	760.0 - 1142.0	2492.8 - 3745.8	1	Daly Unit No. 4 HZNTL
		13-21-08-29	9285	780.0 - 2295.0	2558.4 - 7527.6	4	Sinclair Unit No. 1 Prov. HZNTL
09-35-09-28	9231	760.0 - 1142.0	2492.8 - 3745.8	1	Daly Unit No. 4 HZNTL		
248	1A	05-18-02-28	6541	1100.0 - 1763.0	3608.0 - 5782.6	3	1346329 AB Pierson HZNTL
	A1	12-16-03-28	6643	1095.0 - 1995.0	3591.6 - 6543.6	2	Tundra Pierson HZNTL
		12-16-03-28	6643	1095.0 - 1995.0	3591.6 - 6543.6	2	Tundra Pierson HZNTL
		12-16-03-28	6643	1065.0 - 2228.0	3493.2 - 7307.8	4	Tundra Pierson HZNTL
		12-16-03-28	6643	1065.0 - 2228.0	3493.2 - 7307.8	4	Tundra Pierson HZNTL
		12-16-03-28	6643	875.0 - 1060.5	2870.0 - 3478.4	1	Tundra Pierson HZNTL
		12-16-03-28	6643	875.0 - 1060.5	2870.0 - 3478.4	1	Tundra Pierson HZNTL
		01-26-08-29	6681	820.0 - 2036.0	2689.6 - 6678.1	4	Tundra Sinclair HZNTL
	A2	09-20-07-28	6747	815.0 - 2245.0	2673.2 - 7363.6	4	Tundra Sinclair Prov. HZNTL
		10-28-11-26	6716	400.0 - 672.0	1312.0 - 2204.2	2	North Virden Scallion Unit No. 1 HZNTL
		10-28-11-26	6716	400.0 - 672.0	1312.0 - 2204.2	2	North Virden Scallion Unit No. 1 HZNTL
		10-28-11-26	6716	400.0 - 672.0	1312.0 - 2204.2	2	North Virden Scallion Unit No. 1 HZNTL
		16-08-09-28	6710	770.0 - 2205.0	2525.6 - 7232.4	4	Tundra Daly HZNTL
	A3	13-08-08-29	6739	860.0 - 2386.0	2820.8 - 7826.1	4	Tundra Sinclair HZNTL
		14-18-08-29	6788	865.0 - 2317.0	2837.2 - 7599.8	4	Tundra Sinclair Prov. HZNTL
	A3	13-18-08-29	6802	865.0 - 2100.0	2837.2 - 6888.0	4	Tundra Sinclair Prov. HZNTL
		13-29-07-29	6750	880.0 - 2322.0	2886.4 - 7616.2	4	Tundra Sinclair Prov. HZNTL
		A4	02-17-07-29	6787	1150.0 - 2423.0	3772.0 - 7947.4	6
	03-10-07-29		6730	880.0 - 2531.5	2886.4 - 8303.3	7	Grand Banks Sinclair Prov. HZNTL
	A5	10-28-11-26	6716	350.0 - 1323.0	1148.0 - 4339.4	8	North Virden Scallion Unit No. 1 HZNTL
		10-28-11-26	6716	350.0 - 1323.0	1148.0 - 4339.4	8	North Virden Scallion Unit No. 1 HZNTL
16-33-07-28		6834	820.0 - 2033.0	2689.6 - 6668.2	4	Tundra Sinclair HZNTL	
10-28-11-26		6716	400.0 - 672.0	1312.0 - 2204.2	2	North Virden Scallion Unit No. 1 HZNTL	
10-28-11-26		6716	350.0 - 1323.0	1148.0 - 4339.4	8	North Virden Scallion Unit No. 1 HZNTL	
10-28-11-26		6716	400.0 - 672.0	1312.0 - 2204.2	2	North Virden Scallion Unit No. 1 HZNTL	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
248	A5	10-28-11-26	6716	400.0 - 672.0	1312.0 - 2204.2	2	North Virden Scallion Unit No. 1 HZNTL
	AT	14-25-01-28	9160	970.0 - 1724.0	3181.6 - 5654.7	2	EOG Pierson HZNTL
		A14-25-01-28	9161	1025.0 - 1776.0	3362.0 - 5825.3	2	EOG Pierson HZNTL
		13-18-10-29	9195	920.0 - 2360.0	3017.6 - 7740.8	3	Tundra Daly Sinclair Prov. HZNTL
		A04-07-08-28	8834	850.0 - 2353.5	2788.0 - 7719.5	4	Tundra Daly Sinclair HZNTL
		B14-25-01-28	9162	1080.0 - 1870.0	3542.4 - 6133.6	2	EOG Pierson HZNTL
		B11-25-01-28	9159	990.0 - 1712.0	3247.2 - 5615.4	2	EOG Pierson HZNTL
	B1	15-23-01-25	6742	755.0 - 912.5	2476.4 - 2993.0	1	EOG Waskada
		15-23-01-25	6742	755.0 - 912.5	2476.4 - 2993.0	1	EOG Waskada
		01-34-08-28	6700	765.0 - 2160.0	2509.2 - 7084.8	4	Tundra Sinclair Prov. HZNTL
		16-32-08-29	6715	840.0 - 2150.0	2755.2 - 7052.0	4	Tundra Sinclair Prov. HZNTL
		04-32-08-28	6691	765.0 - 2076.0	2509.2 - 6809.3	4	Tundra et al Sinclair HZNTL
	B2	11-24-04-22	6568	700.0 - 1322.0	2296.0 - 4336.2	2	Tundra Regent HZNTL
		11-24-04-22	6568	700.0 - 1322.0	2296.0 - 4336.2	2	Tundra Regent HZNTL
		11-24-04-22	6568	890.0 - 1477.0	2919.2 - 4844.6	2	Tundra Regent HZNTL
		11-24-04-22	6568	890.0 - 1477.0	2919.2 - 4844.6	2	Tundra Regent HZNTL
		11-24-04-22	6568	890.0 - 1477.0	2919.2 - 4844.6	2	Tundra Regent HZNTL
		11-24-04-22	6568	910.0 - 1130.0	2984.8 - 3706.4	1	Tundra Regent HZNTL
		11-24-04-22	6568	910.0 - 1130.0	2984.8 - 3706.4	1	Tundra Regent HZNTL
		11-24-04-22	6568	910.0 - 1130.0	2984.8 - 3706.4	1	Tundra Regent HZNTL
		16-30-07-28	6791	820.0 - 1010.0	2689.6 - 3312.8	1	Tundra Sinclair DIR
		14-17-10-28	6810	690.0 - 853.5	2263.2 - 2799.5	1	Kiwi Daly
		11-24-04-22	6568	700.0 - 1322.0	2296.0 - 4336.2	2	Tundra Regent HZNTL
		15-17-10-24	6539	145.0 - 709.0	475.6 - 2325.5	3	Second Wave North Oak Lake
		14-17-10-28	6810	690.0 - 853.5	2263.2 - 2799.5	1	Kiwi Daly
		05-08-08-29	6752	865.0 - 2422.0	2837.2 - 7944.2	4	Tundra Sinclair HZNTL
	B3	16-08-08-28	6797	790.0 - 2210.0	2591.2 - 7248.8	4	Tundra Sinclair HZNTL
		02-34-11-26	6746	325.0 - 1500.0	1066.0 - 4920.0	9	North Virden Scallion Unit No. 1 HZNTL
		02-34-11-26	6746	325.0 - 1500.0	1066.0 - 4920.0	9	North Virden Scallion Unit No. 1 HZNTL
	B4	03-10-07-29	6730	870.0 - 2534.0	2853.6 - 8311.5	7	Grand Banks Sinclair Prov. HZNTL
		09-14-07-29	6701	870.0 - 2092.8	2853.6 - 6864.4	5	Grand Banks Sinclair Prov. HZNTL
		01-17-03-21	6714	705.0 - 1501.0	2312.4 - 4923.3	2	Tundra et al Whitewater HZNTL
	B5	01-30-08-28	6799	800.0 - 2445.0	2624.0 - 8019.6	4	Tundra Sinclair Prov. HZNTL
		04-36-08-29	6819	770.0 - 2300.0	2525.6 - 7544.0	4	Tundra Sinclair Prov. HZNTL
		05-24-09-29	7049	745.0 - 942.0	2443.6 - 3089.8	2	Paradise Daly
		05-24-09-29	7049	745.0 - 942.0	2443.6 - 3089.8	2	Paradise Daly
		13-32-07-28	6833	820.0 - 2465.0	2689.6 - 8085.2	4	Tundra Sinclair Prov. HZNTL
	BT	08-03-15-29	9246	140.0 - 698.0	459.2 - 2289.4	3	Fort Calgary McAuley
		06-14-14-29	9250	195.0 - 705.0	639.6 - 2312.4	3	Fort Calgary South McAuley Prov.
		08-17-10-26	9205	550.0 - 1368.0	1804.0 - 4487.0	3	Black Gold Virden HZNTL
		12-14-02-29	8705	950.0 - 2186.0	3116.0 - 7170.1	3	Red Beds Pierson HZNTL
		16-17-10-26	9232	550.0 - 1368.0	1804.0 - 4487.0	3	Corex Virden HZNTL

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
248	C1	04-33-09-24	6534	145.0 - 695.0	475.6 - 2279.6	3	Second Wave Oak Lake
		13-14-07-29	6712	880.0 - 2425.0	2886.4 - 7954.0	7	Grand Banks Sinclair Prov. HZNTL
		13-14-07-29	6712	880.0 - 2425.0	2886.4 - 7954.0	7	Grand Banks Sinclair Prov. HZNTL
		13-14-07-29	6712	880.0 - 2425.0	2886.4 - 7954.0	7	Grand Banks Sinclair Prov. HZNTL
		03-34-01-25	5061	650.0 - 1641.0	2132.0 - 5382.5	3	EOG Waskada
	C2	09-15-07-29	6740	865.0 - 2535.0	2837.2 - 8314.8	7	Grand Banks Sinclair HZNTL
		16-23-07-29	6698	860.0 - 2514.0	2820.8 - 8245.9	7	Grand Banks Sinclair HZNTL
	C3	01-27-11-26	6769	805.0 - 1580.0	2640.4 - 5182.4	4	North Virden Scallion Unit No. 1 HZNTL
		01-27-11-26	6769	805.0 - 1580.0	2640.4 - 5182.4	4	North Virden Scallion Unit No. 1 HZNTL
		01-27-11-26	6769	350.0 - 1540.0	1148.0 - 5051.2	4	North Virden Scallion Unit No. 1 HZNTL
		01-27-11-26	6769	350.0 - 1540.0	1148.0 - 5051.2	4	North Virden Scallion Unit No. 1 HZNTL
		A02-11-07-29	6711	870.0 - 2197.5	2853.6 - 7207.8	6	Grand Banks Sinclair Prov. HZNTL
	C4	03-12-07-29	6733	880.0 - 2514.0	2886.4 - 8245.9	7	Grand Banks Sinclair Prov. HZNTL
		09-26-08-29	6682	820.0 - 2152.0	2689.6 - 7058.6	4	Tundra Sinclair Prov. HZNTL
		11-15-06-22	6737	680.0 - 1463.0	2230.4 - 4798.6	2	Lodgepole et al Souris Hartney HZNTL
		11-15-06-22	6737	780.0 - 1275.0	2558.4 - 4182.0	1	Lodgepole et al Souris Hartney HZNTL
		11-15-06-22	6737	780.0 - 1275.0	2558.4 - 4182.0	1	Lodgepole et al Souris Hartney HZNTL
		11-15-06-22	6737	680.0 - 1463.0	2230.4 - 4798.6	2	Lodgepole et al Souris Hartney HZNTL
	C5	16-18-10-27	6800	690.0 - 2268.0	2263.2 - 7439.0	4	Tundra Daly HZNTL
		04-11-07-29	6689	880.0 - 2414.0	2886.4 - 7917.9	7	Grand Banks Sinclair Prov. HZNTL
12-15-01-24		5218	720.0 - 1585.0	2361.6 - 5198.8	3	Tundra Waskada	
CT	04-09-11-29	9251	660.0 - 2340.0	2164.8 - 7675.2	4	T. Bird South Kirkella HZNTL	
	04-26-01-28	8845	900.0 - 1794.0	2952.0 - 5884.3	3	Melita Pierson HZNTL	
	A06-10-10-28	9259	810.0 - 1866.0	2656.8 - 6120.5	3	Corex Daly Sinclair Prov. HZNTL	
	06-10-10-28	9243	650.0 - 1867.0	2132.0 - 6123.8	4	Black Gold Daly Sinclair Prov. HZNTL	
249	A1	04-09-01-24	5297	720.0 - 1671.0	2361.6 - 5480.9	3	Tundra Waskada
		14-06-01-24	6836	700.0 - 2224.0	2296.0 - 7294.7	4	ARC Waskada Prov. HZNTL
		14-20-07-29	6807	1205.0 - 2549.0	3952.4 - 8360.7	6	Fairborne Sinclair HZNTL
	A2	16-32-08-28	6779	765.0 - 2246.0	2509.2 - 7366.9	4	Tundra Sinclair Prov. HZNTL
		04-08-08-29	6755	860.0 - 2382.0	2820.8 - 7813.0	4	Tundra Sinclair HZNTL
		08-09-07-28	6765	830.0 - 2253.0	2722.4 - 7389.8	4	Tundra Sinclair HZNTL
	A3	A10-23-01-25	6772	900.0 - 906.0	2952.0 - 2971.7	1	Lodgepole et al Waskada
		A10-23-01-25	6772	900.0 - 906.0	2952.0 - 2971.7	1	Lodgepole et al Waskada
		03-23-01-25	6771	899.0 - 911.0	2948.7 - 2988.1	1	Lodgepole Waskada
		03-23-01-25	6771	899.0 - 911.0	2948.7 - 2988.1	1	Lodgepole Waskada
		07-23-01-25	6764	890.0 - 899.0	2919.2 - 2948.7	1	Lodgepole Waskada
		05-23-01-25	6763	903.0 - 912.0	2961.8 - 2991.4	1	Lodgepole Waskada
		05-23-01-25	6763	903.0 - 912.0	2961.8 - 2991.4	1	Lodgepole Waskada
		04-23-01-25	6762	905.0 - 910.0	2968.4 - 2984.8	1	Lodgepole Waskada
		07-07-03-28	6006	1905.0 - 1992.0	6248.4 - 6533.8	1	Lodgepole Pierson HZNTL
		03-29-10-25	6867	325.0 - 1465.0	1066.0 - 4805.2	5	Virden Roselea Unit No. 1 Prov. HZNTL
		06-23-01-25	6522	800.0 - 928.0	2624.0 - 3043.8	1	Lodgepole Waskada



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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
249	A3	06-23-01-25	6522	800.0 - 928.0	2624.0 - 3043.8	1	Lodgepole Waskada
	A4	09-09-02-24	6826	860.0 - 1395.0	2820.8 - 4575.6	3	TriStar Goodlands HZNTL
		14-29-10-29	6862	750.0 - 1858.0	2460.0 - 6094.2	5	Magellan Daly Prov. HZNTL
		01-34-01-25	5058	650.0 - 1640.0	2132.0 - 5379.2	3	EOG Waskada
	A5	11-06-13-28	6835	140.0 - 750.0	459.2 - 2460.0	3	Tundra East Manson
		01-04-09-28	6849	156.0 - 2400.0	511.7 - 7872.0	7	Tundra Daly HZNTL
		12-05-09-28	6870	750.0 - 2240.0	2460.0 - 7347.2	4	Tundra Daly HZNTL
	AT	A09-28-01-25	8505	930.0 - 1655.0	3050.4 - 5428.4	2	EOG Waskada HZNTL
		B16-27-01-25	8545	925.0 - 1692.0	3034.0 - 5549.8	2	Waskada Unit No. 19 HZNTL
		02-02-13-28	9252	575.0 - 2012.0	1886.0 - 6599.4	6	CPEC East Manson HZNTL
		16-08-01-25	8520	930.0 - 1687.0	3050.4 - 5533.4	2	EOG Waskada HZNTL
		06-05-01-25	9297	580.0 - 972.0	1902.4 - 3188.2	1	EOG Waskada
	At	B09-28-01-25	8506	940.0 - 1666.0	3083.2 - 5464.5	2	EOG Waskada HZNTL
	B1	06-15-11-26	6754	330.0 - 1665.0	1082.4 - 5461.2	5	North Virden Scallion Unit No. 1 HZNTL
		06-15-11-26	6754	330.0 - 1665.0	1082.4 - 5461.2	5	North Virden Scallion Unit No. 1 HZNTL
		06-15-11-26	6754	330.0 - 1665.0	1082.4 - 5461.2	5	North Virden Scallion Unit No. 1 HZNTL
		06-15-11-26	6754	850.0 - 1615.0	2788.0 - 5297.2	4	North Virden Scallion Unit No. 1 HZNTL
		06-15-11-26	6754	850.0 - 1615.0	2788.0 - 5297.2	4	North Virden Scallion Unit No. 1 HZNTL
		06-15-11-26	6754	850.0 - 1615.0	2788.0 - 5297.2	4	North Virden Scallion Unit No. 1 HZNTL
		01-09-09-29	6766	805.0 - 2214.0	2640.4 - 7261.9	4	Tundra Sinclair HZNTL
	B2	03-25-11-27	6806	560.0 - 1804.0	1836.8 - 5917.1	3	Tundra Virden HZNTL
		03-25-11-27	6806	560.0 - 1804.0	1836.8 - 5917.1	3	Tundra Virden HZNTL
		10-06-04-21	6713	690.0 - 2172.0	2263.2 - 7124.2	4	Tundra Regent Prov. HZNTL
		03-25-11-27	6806	820.0 - 1564.0	2689.6 - 5129.9	2	Tundra Virden HZNTL
		03-25-11-27	6806	820.0 - 1564.0	2689.6 - 5129.9	2	Tundra Virden HZNTL
		03-25-11-27	6806	560.0 - 1804.0	1836.8 - 5917.1	3	Tundra Virden HZNTL
		03-25-11-27	6806	890.0 - 1214.0	2919.2 - 3981.9	1	Tundra Virden HZNTL
		03-25-11-27	6806	890.0 - 1214.0	2919.2 - 3981.9	1	Tundra Virden HZNTL
		03-25-11-27	6806	890.0 - 1214.0	2919.2 - 3981.9	1	Tundra Virden HZNTL
		03-25-11-27	6806	820.0 - 1564.0	2689.6 - 5129.9	2	Tundra Virden HZNTL
		10-06-04-21	6713	690.0 - 2172.0	2263.2 - 7124.2	4	Tundra Regent Prov. HZNTL
		10-06-04-21	6713	920.0 - 2022.0	3017.6 - 6632.2	2	Tundra Regent Prov. HZNTL
		10-06-04-21	6713	920.0 - 2022.0	3017.6 - 6632.2	2	Tundra Regent Prov. HZNTL
	B3	A02-28-09-28	6577	700.0 - 868.0	2296.0 - 2847.0	1	Lodgepole Daly
		A02-28-09-28	6577	700.0 - 868.0	2296.0 - 2847.0	1	Lodgepole Daly
		02-23-01-25	6697	860.0 - 1165.0	2820.8 - 3821.2	2	Lodgepole Waskada
		16-08-01-24	6846	700.0 - 1644.0	2296.0 - 5392.3	3	EOG Waskada HZNTL
		09-08-01-24	6845	700.0 - 1644.0	2296.0 - 5392.3	3	EOG Waskada HZNTL
		A03-08-01-24	6844	700.0 - 1639.0	2296.0 - 5375.9	3	EOG Waskada HZNTL
		14-05-01-24	6832	700.0 - 1646.0	2296.0 - 5398.9	3	EOG Waskada HZNTL
	B4	04-29-08-28	6825	775.0 - 2435.0	2542.0 - 7986.8	4	Tundra Sinclair Prov. HZNTL
		04-13-06-27	6780	950.0 - 1382.0	3116.0 - 4533.0	1	Tundra South Reston Prov. HZNTL

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
249	B4	04-13-06-27	6780	1110.0 - 1879.0	3640.8 - 6163.1	2	Tundra South Reston Prov. HZNTL
		04-13-06-27	6780	950.0 - 1382.0	3116.0 - 4533.0	1	Tundra South Reston Prov. HZNTL
		04-13-06-27	6780	1110.0 - 1879.0	3640.8 - 6163.1	2	Tundra South Reston Prov. HZNTL
		04-13-06-27	6780	755.0 - 1408.0	2476.4 - 4618.2	2	Tundra South Reston Prov. HZNTL
		04-13-06-27	6780	755.0 - 1408.0	2476.4 - 4618.2	2	Tundra South Reston Prov. HZNTL
		04-13-06-27	6780	755.0 - 1408.0	2476.4 - 4618.2	2	Tundra South Reston Prov. HZNTL
		04-13-06-27	6780	1110.0 - 1879.0	3640.8 - 6163.1	2	Tundra South Reston Prov. HZNTL
		04-13-06-27	6780	950.0 - 1382.0	3116.0 - 4533.0	1	Tundra South Reston Prov. HZNTL
	B5	07-21-06-26	6898	650.0 - 1360.0	2132.0 - 4460.8	3	Magellan South Pipestone HZNTL
		07-21-06-26	6898	865.0 - 1376.0	2837.2 - 4513.3	3	Magellan South Pipestone HZNTL
		07-21-06-26	6898	865.0 - 1376.0	2837.2 - 4513.3	3	Magellan South Pipestone HZNTL
		07-21-06-26	6898	650.0 - 1360.0	2132.0 - 4460.8	3	Magellan South Pipestone HZNTL
		13-19-07-29	6823	1190.0 - 2569.0	3903.2 - 8426.3	6	Fairborne Sinclair HZNTL
		04-26-13-29	6820	140.0 - 730.0	459.2 - 2394.4	3	Tundra Manson
BB4	04-05-09-28	6850	750.0 - 2250.0	2460.0 - 7380.0	4	Tundra Daly HZNTL	
BT	A16-02-09-28	9260	700.0 - 2240.0	2296.0 - 7347.2	4	Corex Daly Sinclair HZNTL	
	A12-35-01-28	9303	980.0 - 1728.0	3214.4 - 5667.8	2	EOG Pierson HZNTL	
	B12-35-01-28	9304	1000.0 - 1836.0	3280.0 - 6022.1	2	EOG Pierson HZNTL	
	09-31-08-27	8835	790.0 - 2265.0	2591.2 - 7429.2	4	Tundra Daly Sinclair HZNTL	
	B13-14-02-29	8708	950.0 - 2200.0	3116.0 - 7216.0	3	Red Beds Pierson HZNTL	
C1	13-11-09-29	6789	795.0 - 2210.0	2607.6 - 7248.8	4	Tundra Daly Prov. HZNTL	
	08-10-09-29	6767	815.0 - 2300.0	2673.2 - 7544.0	4	Tundra Daly Prov. HZNTL	
	16-12-09-29	6781	795.0 - 2271.0	2607.6 - 7448.9	4	Tundra Daly Prov. HZNTL	
C2	01-29-10-29	6883	1045.0 - 1575.0	3427.6 - 5166.0	3	Magellan Daly Prov. HZNTL	
	01-29-10-29	6883	1045.0 - 1575.0	3427.6 - 5166.0	3	Magellan Daly Prov. HZNTL	
	06-15-11-26	6754	400.0 - 680.0	1312.0 - 2230.4	2	North Virden Scallion Unit No. 1 HZNTL	
	06-15-11-26	6754	400.0 - 680.0	1312.0 - 2230.4	2	North Virden Scallion Unit No. 1 HZNTL	
	06-15-11-26	6754	400.0 - 680.0	1312.0 - 2230.4	2	North Virden Scallion Unit No. 1 HZNTL	
	01-29-10-29	6883	985.0 - 1413.0	3230.8 - 4634.6	3	Magellan Daly Prov. HZNTL	
	01-29-10-29	6883	985.0 - 1413.0	3230.8 - 4634.6	3	Magellan Daly Prov. HZNTL	
	09-16-11-29	6997	740.0 - 914.0	2427.2 - 2997.9	2	T. Bird South Kirkella	
C3	03-08-01-24	6843	700.0 - 1644.0	2296.0 - 5392.3	3	EOG Waskada HZNTL	
	16-05-01-24	6818	700.0 - 1290.0	2296.0 - 4231.2	3	EOG Waskada HZNTL	
	03-33-01-24	6831	865.0 - 1626.0	2837.2 - 5333.3	4	TriStar Waskada HZNTL	
C4	03-03-05-22	6585	875.0 - 1456.0	2870.0 - 4775.7	2	Lodgepole Underhill HZNTL	
	16-34-07-28	6809	795.0 - 2272.0	2607.6 - 7452.2	4	Tundra Sinclair Prov. HZNTL	
	03-03-05-22	6585	875.0 - 1456.0	2870.0 - 4775.7	2	Lodgepole Underhill HZNTL	
	01-31-08-28	6853	790.0 - 2230.0	2591.2 - 7314.4	4	Tundra Sinclair HZNTL	
	03-03-05-22	6585	875.0 - 1456.0	2870.0 - 4775.7	2	Lodgepole Underhill HZNTL	
	03-03-05-22	6585	800.0 - 1280.0	2624.0 - 4198.4	2	Lodgepole Underhill HZNTL	
	03-03-05-22	6585	859.0 - 1658.0	2817.5 - 5438.2	2	Lodgepole Underhill HZNTL	
	03-03-05-22	6585	859.0 - 1658.0	2817.5 - 5438.2	2	Lodgepole Underhill HZNTL	

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
249	C4	03-03-05-22	6585	800.0 - 1280.0	2624.0 - 4198.4	2	Lodgepole Underhill HZNTL
		03-03-05-22	6585	800.0 - 1280.0	2624.0 - 4198.4	2	Lodgepole Underhill HZNTL
		03-03-05-22	6585	859.0 - 1658.0	2817.5 - 5438.2	2	Lodgepole Underhill HZNTL
	C5	12-24-10-26	6816	350.0 - 1479.0	1148.0 - 4851.1	5	Virден Roselea Unit No. 1 HZNTL
		12-24-10-26	6816	350.0 - 1479.0	1148.0 - 4851.1	5	Virден Roselea Unit No. 1 HZNTL
		08-23-10-26	6837	350.0 - 1345.0	1148.0 - 4411.6	5	Virден Roselea Unit No. 3 HZNTL
		08-23-10-26	6837	350.0 - 1345.0	1148.0 - 4411.6	5	Virден Roselea Unit No. 3 HZNTL
		12-24-10-26	6816	800.0 - 1438.0	2624.0 - 4716.6	4	Virден Roselea Unit No. 1 HZNTL
		12-24-10-26	6816	800.0 - 1438.0	2624.0 - 4716.6	4	Virден Roselea Unit No. 1 HZNTL
		CT	09-18-10-28	8806	730.0 - 2178.0	2394.4 - 7143.8	4
	A03-19-02-28	8794	950.0 - 2088.0	3116.0 - 6848.6	3	Red Beds Pierson HZNTL	
	09-01-13-28	9274	575.0 - 2156.0	1886.0 - 7071.7	7	CPEC East Manson HZNTL	
	09-01-13-28	9274	575.0 - 2156.0	1886.0 - 7071.7	7	CPEC East Manson HZNTL	
250	2A	06-13-07-29	6908	850.0 - 1028.0	2788.0 - 3371.8	1	Antler River Sinclair
		01-13-07-29	6921	850.0 - 1032.0	2788.0 - 3385.0	1	Relative Res Sinclair
	A1	04-28-10-25	6817	330.0 - 1637.0	1082.4 - 5369.4	6	Virден Roselea Unit No. 1 Prov. HZNTL
		16-16-11-26	6793	325.0 - 1696.0	1066.0 - 5562.9	6	North Virден Scallion Unit No. 1 Prov. HZNTL
		16-16-11-26	6793	325.0 - 1696.0	1066.0 - 5562.9	6	North Virден Scallion Unit No. 1 Prov. HZNTL
	A2	16-20-07-28	6881	815.0 - 2050.0	2673.2 - 6724.0	3	Tundra Sinclair Prov. HZNTL
		12-34-01-25	6925	650.0 - 1644.0	2132.0 - 5392.3	3	Waskada Unit No. 19 HZNTL WIW
		05-34-01-25	6924	650.0 - 1643.0	2132.0 - 5389.0	3	Waskada Unit No. 19 HZNTL
		09-06-08-28	6855	810.0 - 2325.0	2656.8 - 7626.0	4	Tundra Sinclair Prov. HZNTL
		15-35-01-25	9522	970.0 - 1704.0	3181.6 - 5589.1	2	EOG Waskada HZNTL
	A3	04-07-08-28	6920	815.0 - 2465.0	2673.2 - 8085.2	4	Tundra Sinclair HZNTL
		09-10-08-28	6904	775.0 - 2250.0	2542.0 - 7380.0	4	Tundra Sinclair HZNTL
		14-01-08-28	6919	780.0 - 2142.0	2558.4 - 7025.8	4	Tundra Sinclair HZNTL
	A4	09-29-07-28	6897	820.0 - 2460.0	2689.6 - 8068.8	4	Tundra Sinclair Prov. HZNTL
		05-17-09-28	6866	130.0 - 957.0	426.4 - 3139.0	4	Relative Res Daly
		16-31-09-27	6991	665.0 - 870.0	2181.2 - 2853.6	2	Kiwi Daly
		16-31-09-27	6991	665.0 - 870.0	2181.2 - 2853.6	2	Kiwi Daly
		05-17-09-28	6866	130.0 - 957.0	426.4 - 3139.0	4	Relative Res Daly
		12-11-09-29	6890	795.0 - 2253.5	2607.6 - 7391.5	4	Tundra Daly Prov. HZNTL
	A5	03-04-10-25	6824	145.0 - 820.0	475.6 - 2689.6	3	Tundra Virден
		04-33-11-29	6828	140.0 - 870.0	459.2 - 2853.6	3	Tundra South Kirkella
		12-28-08-28	6582	140.0 - 920.0	459.2 - 3017.6	4	Tundra et al Sinclair
		14-29-07-29	6905	890.0 - 2328.0	2919.2 - 7635.8	4	Tundra Sinclair Prov. HZNTL
06-16-11-29		6927	785.0 - 870.0	2574.8 - 2853.6	1	T. Bird et al South Kirkella RE	
12-28-08-28		6582	140.0 - 920.0	459.2 - 3017.6	4	Tundra et al Sinclair	
AT	10-01-01-26	8937	850.0 - 1877.0	2788.0 - 6156.6	3	Waskada Unit No. 6 HZNTL	
	A06-19-02-28	8796	950.0 - 2071.0	3116.0 - 6792.9	3	Red Beds Pierson HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
250	AT	06-13-02-29	8702	950.0 - 1798.0	3116.0 - 5897.4	3	Red Beds Pierson HZNTL
		B06-19-02-28	8797	950.0 - 1780.0	3116.0 - 5838.4	3	Red Beds Pierson HZNTL
		03-19-02-28	8793	950.0 - 2079.0	3116.0 - 6819.1	3	Red Beds Pierson HZNTL
	B1	02-01-17-28	6863	145.0 - 585.0	475.6 - 1918.8	2	Tundra St. Lazare
		A09-11-02-25	6900	650.0 - 2020.0	2132.0 - 6625.6	4	EOG Waskada Prov. HZNTL
		04-34-14-29	6838	140.0 - 635.0	459.2 - 2082.8	3	Tundra South McAuley Prov.
		08-34-01-25	5220	650.0 - 1646.0	2132.0 - 5398.9	3	Waskada Unit No. 19 WIW
	B2	04-17-08-28	6902	775.0 - 2306.0	2542.0 - 7563.7	4	Tundra Sinclair HZNTL
		01-29-07-28	6889	820.0 - 2468.0	2689.6 - 8095.0	4	Tundra Sinclair Prov. HZNTL
		01-28-08-28	6829	775.0 - 2183.0	2542.0 - 7160.2	4	Tundra Sinclair Prov. HZNTL
	B3	16-15-08-28	6861	140.0 - 970.0	459.2 - 3181.6	4	Antler River Sinclair
		16-15-08-28	6861	140.0 - 970.0	459.2 - 3181.6	4	Antler River Sinclair
		A06-32-12-28	6879	110.0 - 780.0	360.8 - 2558.4	3	Reliable North Elkhorn
		01-10-08-28	6922	785.0 - 2277.0	2574.8 - 7468.6	4	Tundra Sinclair HZNTL
		15-15-08-28	6708	750.0 - 1000.0	2460.0 - 3280.0	2	Antler River Sinclair
	B4	08-06-08-28	6854	815.0 - 2490.0	2673.2 - 8167.2	4	Tundra Sinclair Prov. HZNTL
		13-33-12-29	6827	145.0 - 810.0	475.6 - 2656.8	3	Tundra Kirkella
		08-20-07-28	6880	825.0 - 2326.0	2706.0 - 7629.3	4	Tundra Sinclair Prov. HZNTL
		16-09-07-28	6888	830.0 - 2054.0	2722.4 - 6737.1	3	Tundra Sinclair HZNTL
	B5	16-28-07-28	6966	815.0 - 2290.0	2673.2 - 7511.2	4	Tundra Sinclair Prov. HZNTL
		01-26-10-29	6859	755.0 - 2368.0	2476.4 - 7767.0	4	Tundra Daly HZNTL
		08-34-01-25	5220	650.0 - 1646.0	2132.0 - 5398.9	3	Waskada Unit No. 19 WIW
		16-34-01-25	6914	650.0 - 1636.0	2132.0 - 5366.1	3	Waskada Unit No. 19 Prov. HZNTL
	BT	08-21-10-28	8837	680.0 - 2341.0	2230.4 - 7678.5	4	Tundra Daly Sinclair HZNTL
		14-20-02-28	8889	950.0 - 1727.0	3116.0 - 5664.6	2	Red Beds Pierson Prov. HZNTL
		04-12-02-25	9272	895.0 - 1560.0	2935.6 - 5116.8	2	EOG Waskada Prov. HZNTL
		A05-15-08-29	8538	830.0 - 2540.0	2722.4 - 8331.2	4	Sinclair Unit No. 7 HZNTL
A09-14-02-29		8704	950.0 - 1837.0	3116.0 - 6025.4	3	Red Beds Pierson HZNTL	
C1	A06-11-02-25	6887	650.0 - 1729.0	2132.0 - 5671.1	4	EOG Waskada Prov. HZNTL	
	07-03-12-29	6931	105.0 - 892.0	344.4 - 2925.8	4	Reliable Kirkella	
	06-11-02-25	6886	650.0 - 1731.0	2132.0 - 5677.7	4	EOG Waskada Prov. HZNTL	
C2	01-16-08-28	6909	775.0 - 2267.0	2542.0 - 7435.8	4	Tundra Sinclair Prov. HZNTL	
	08-24-08-28	6841	750.0 - 2163.0	2460.0 - 7094.6	4	Tundra Sinclair Prov. HZNTL	
	09-12-09-29	6891	785.0 - 2278.0	2574.8 - 7471.8	4	Tundra Daly Prov. HZNTL	
C3	02-18-09-28	6868	735.0 - 957.0	2410.8 - 3139.0	1	Relative Res Daly	
	02-18-09-28	6868	735.0 - 957.0	2410.8 - 3139.0	1	Relative Res Daly	
	05-36-08-29	6926	770.0 - 2305.0	2525.6 - 7560.4	4	Tundra Sinclair Prov. HZNTL	
	12-17-08-28	6903	780.0 - 2267.0	2558.4 - 7435.8	4	Tundra Sinclair HZNTL	
	09-16-08-28	6910	780.0 - 2425.0	2558.4 - 7954.0	4	Tundra Sinclair Prov. HZNTL	
C4	10-20-02-28	6916	1110.0 - 1745.0	3640.8 - 5723.6	3	Antler River Pierson HZNTL	
	04-26-15-27	6852	145.0 - 580.0	475.6 - 1902.4	2	Tundra Birdtail	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name	
250	C4	10-20-02-28	6916	1175.0 - 1523.0	3854.0 - 4995.4	1	Antler River Pierson HZNTL	
		10-20-02-28	6916	1110.0 - 1745.0	3640.8 - 5723.6	3	Antler River Pierson HZNTL	
		10-20-02-28	6916	1175.0 - 1523.0	3854.0 - 4995.4	1	Antler River Pierson HZNTL	
		15-29-07-29	6893	890.0 - 2300.0	2919.2 - 7544.0	4	Tundra Sinclair Prov. HZNTL	
		12-08-10-29	6839	760.0 - 2240.0	2492.8 - 7347.2	4	Tundra Daly HZNTL	
	C5	02-20-07-29	6918	890.0 - 2387.0	2919.2 - 7829.4	4	Tundra Sinclair Prov. HZNTL	
		09-09-07-28	6915	825.0 - 1970.0	2706.0 - 6461.6	3	Tundra Sinclair HZNTL	
	CT	11-10-02-28	9155	990.0 - 1669.0	3247.2 - 5474.3	2	EOG Pierson HZNTL	
		05-26-01-28	8847	900.0 - 1785.0	2952.0 - 5854.8	3	Melita Pierson HZNTL	
		C13-14-02-29	8709	950.0 - 1857.0	3116.0 - 6091.0	3	Red Beds Pierson HZNTL	
		13-17-10-28	8782	725.0 - 2185.5	2378.0 - 7168.4	4	Tundra Daly Sinclair HZNTL	
		A09-18-10-28	8807	810.0 - 2102.0	2656.8 - 6894.6	3	Tundra Daly Sinclair HZNTL	
	251	A1	09-11-08-28	6981	770.0 - 2260.0	2525.6 - 7412.8	4	Tundra Sinclair Prov. HZNTL
		A2	16-14-01-24	7006	800.0 - 1611.0	2624.0 - 5284.1	4	ARC Waskada HZNTL
07-15-01-24			7007	800.0 - 1612.0	2624.0 - 5287.4	4	ARC Waskada HZNTL	
09-30-16-27			7087	135.0 - 595.0	442.8 - 1951.6	2	Tundra Birdtail	
A3		05-20-08-29	7000	840.0 - 2526.0	2755.2 - 8285.3	5	Sinclair Unit No. 1 HZNTL WIW	
		08-11-10-29	7005	760.0 - 2375.0	2492.8 - 7790.0	4	Tundra et al Daly Prov. HZNTL	
		05-20-08-29	7000	840.0 - 2526.0	2755.2 - 8285.3	5	Sinclair Unit No. 1 HZNTL WIW	
		13-20-09-29	7010	815.0 - 2301.0	2673.2 - 7547.3	4	Tundra et al Daly Prov. HZNTL	
A4		16-16-08-28	7017	775.0 - 2264.0	2542.0 - 7425.9	4	Tundra Sinclair Prov. HZNTL	
		05-17-08-28	7055	780.0 - 2440.0	2558.4 - 8003.2	4	Tundra Sinclair HZNTL	
		13-17-08-28	7018	775.0 - 2010.0	2542.0 - 6592.8	4	Tundra Sinclair HZNTL	
A5		A10-17-02-25	7065	650.0 - 1687.0	2132.0 - 5533.4	3	EOG Waskada HZNTL	
		04-16-08-29	7052	845.0 - 2450.0	2771.6 - 8036.0	4	Sinclair Unit No. 1 HZNTL WIW	
		12-18-08-28	6935	800.0 - 2454.0	2624.0 - 8049.1	4	Tundra Sinclair HZNTL	
		04-18-08-28	6932	800.0 - 2457.0	2624.0 - 8059.0	4	Tundra Sinclair Prov. HZNTL	
AT		04-18-11-28	8824	740.0 - 2305.0	2427.2 - 7560.4	7	CPEC Elkhorn HZNTL	
		A04-26-01-28	8846	900.0 - 1740.0	2952.0 - 5707.2	3	Melita Pierson HZNTL	
		A05-29-08-29	8710	840.0 - 2555.0	2755.2 - 8380.4	4	Tundra Daly Sinclair Prov. HZNTL	
B1		14-03-08-28	6989	785.0 - 2416.0	2574.8 - 7924.5	4	Tundra Sinclair HZNTL	
B2		05-21-08-29	7066	835.0 - 2438.0	2738.8 - 7996.6	4	Sinclair Unit No. 1 HZNTL WIW	
		08-28-07-28	6971	825.0 - 2312.0	2706.0 - 7583.4	4	Tundra Sinclair Prov. HZNTL	
		09-29-17-28	7091	140.0 - 570.0	459.2 - 1869.6	2	Tundra St. Lazare Prov.	
		09-05-09-29	6923	820.0 - 2132.0	2689.6 - 6993.0	4	Tundra Sinclair HZNTL	
B3		16-03-09-29	6994	815.0 - 2311.0	2673.2 - 7580.1	4	Tundra Sinclair HZNTL	
		05-32-07-28	6967	815.0 - 2481.0	2673.2 - 8137.7	4	Tundra Sinclair Prov. HZNTL	
		05-17-08-29	7045	860.0 - 2527.0	2820.8 - 8288.6	4	Sinclair Unit No. 1 HZNTL WIW	
		11-18-01-25	7100	850.0 - 1627.0	2788.0 - 5336.6	2	Penn West Waskada Prov. HZNTL	
B4	01-05-09-29	6990	845.0 - 2330.0	2771.6 - 7642.4	4	Tundra Sinclair HZNTL		
	05-29-08-29	6972	855.0 - 2565.0	2804.4 - 8413.2	4	Tundra Sinclair Prov. HZNTL		

## Non Confidential Sample Cuttings by Section / Row

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
251	B4	09-34-08-28	6961	745.0 - 2234.0	2443.6 - 7327.5	4	Tundra Sinclair Prov. HZNTL
	B5	08-22-08-29	7067	835.0 - 2387.0	2738.8 - 7829.4	4	Sinclair Unit No. 1 Prov. HZNTL WIW
		05-30-08-29	6951	860.0 - 2485.0	2820.8 - 8150.8	4	Tundra Sinclair Prov. HZNTL
		04-20-08-29	7024	855.0 - 2537.0	2804.4 - 8321.4	4	Sinclair Unit No. 1 HZNTL WIW
		06-16-02-25	7057	650.0 - 1623.0	2132.0 - 5323.4	3	EOG Waskada Prov. HZNTL
		BT	A03-26-01-25	8516	930.0 - 1678.0	3050.4 - 5503.8	2
	03-11-02-29		8922	730.0 - 1795.0	2394.4 - 5887.6	5	CNRL Pierson Prov. HZNTL
	B06-26-01-25		8443	950.0 - 1697.0	3116.0 - 5566.2	2	EOG Waskada HZNTL
	A16-21-10-28		9207	700.0 - 2335.0	2296.0 - 7658.8	4	Tundra Daly Sinclair HZNTL
	B03-26-01-25		8517	920.0 - 1648.0	3017.6 - 5405.4	2	EOG Waskada HZNTL
	C1	03-11-07-29	6948	800.0 - 2302.0	2624.0 - 7550.6	7	Fairborne Sinclair Prov. HZNTL
		05-27-01-26	7151	850.0 - 1660.0	2788.0 - 5444.8	2	Waskada Unit No. 2 HZNTL
		06-14-08-28	6974	770.0 - 2397.0	2525.6 - 7862.2	4	Tundra Sinclair Prov. HZNTL
	C2	02-10-02-26	7118	850.0 - 1612.0	2788.0 - 5287.4	2	Penn West Waskada HZNTL
		16-16-08-29	6860	850.0 - 2300.0	2788.0 - 7544.0	4	Tundra Sinclair Prov. HZNTL
		A13-08-08-29	7051	870.0 - 2590.0	2853.6 - 8495.2	4	Sinclair Unit No. 1 HZNTL WIW
		13-17-08-29	7033	850.0 - 2358.0	2788.0 - 7734.2	4	Sinclair Unit No. 1 HZNTL WIW
	C3	13-29-08-28	6840	760.0 - 2417.0	2492.8 - 7927.8	4	Tundra Sinclair Prov. HZNTL
		08-31-08-28	6940	790.0 - 2436.0	2591.2 - 7990.1	4	Tundra Sinclair HZNTL
		03-04-07-28	7012	825.0 - 1075.0	2706.0 - 3526.0	4	Tundra Sinclair Prov. HZNTL
		14-22-11-29	7270	680.0 - 897.0	2230.4 - 2942.2	1	Reliable et al South Kirkella Prov.
	C4	08-33-07-28	6960	820.0 - 2077.0	2689.6 - 6812.6	3	Tundra Sinclair HZNTL
		10-16-17-28	7016	140.0 - 385.0	459.2 - 1262.8	2	Kinwest 08 St. Lazare
05-05-08-29		6995	865.0 - 2490.0	2837.2 - 8167.2	4	Sinclair Unit No. 1 HZNTL WIW	
12-05-08-29		7044	865.0 - 2507.0	2837.2 - 8223.0	4	Sinclair Unit No.1 HZNTL WIW	
C5	01-16-10-29	6996	780.0 - 2422.0	2558.4 - 7944.2	4	Tundra Daly HZNTL	
	01-32-08-29	6899	850.0 - 2521.0	2788.0 - 8268.9	5	Tundra Sinclair Prov. HZNTL	
	12-06-09-29	6930	830.0 - 2473.0	2722.4 - 8111.4	4	Tundra Sinclair Prov. HZNTL	
	08-13-16-28	7015	140.0 - 600.0	459.2 - 1968.0	2	Kinwest 08 St. Lazare Prov.	
CT	13-19-02-29	8768	800.0 - 1805.0	2624.0 - 5920.4	4	South Pierson Unit No. 2 HZNTL	
	06-10-02-28	9154	1015.0 - 1758.0	3329.2 - 5766.2	2	EOG Pierson HZNTL	
	A13-19-02-29	8769	770.0 - 1859.0	2525.6 - 6097.5	5	South Pierson Unit No. 2 HZNTL	
	08-14-08-29	8539	835.0 - 2292.0	2738.8 - 7517.8	4	Sinclair Unit No. 7 Prov. HZNTL	
252	A1	02-22-07-29	7009	880.0 - 2522.0	2886.4 - 8272.2	4	Tundra Sinclair Prov. HZNTL
		01-20-07-29	6892	890.0 - 2395.0	2919.2 - 7855.6	4	Tundra Sinclair Prov. HZNTL
		09-04-09-28	6878	755.0 - 2326.0	2476.4 - 7629.3	4	Tundra Daly HZNTL
	A2	12-24-13-29	7114	140.0 - 712.0	459.2 - 2335.4	3	Tundra Manson Prov.
		A11-02-13-29	7072	110.0 - 805.0	360.8 - 2640.4	3	Glamis Manson Prov.
		06-36-07-29	7086	810.0 - 2485.0	2656.8 - 8150.8	7	Border Sinclair HZNTL
	A3	03-14-08-28	7063	770.0 - 2393.0	2525.6 - 7849.0	4	Tundra Sinclair Prov. HZNTL
		12-05-08-28	7050	795.0 - 2456.0	2607.6 - 8055.7	4	Tundra Sinclair HZNTL

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
252	A3	02-19-10-29	7119	145.0 - 980.0	475.6 - 3214.4	4	Tundra Daly DIR
	A4	04-17-08-29	6901	860.0 - 2390.0	2820.8 - 7839.2	4	Sinclair Unit No. 1 HZNTL WIW
		08-34-07-28	7027	820.0 - 2460.0	2689.6 - 8068.8	4	Tundra Sinclair Prov. HZNTL
		15-22-14-29	6842	165.0 - 1165.0	541.2 - 3821.2	4	WPX South McAuley Prov. PTH
	A5	01-14-02-25	7246	850.0 - 1487.0	2788.0 - 4877.4	2	Penn West Waskada HZNTL
		06-06-09-28	7144	1020.0 - 1890.0	3345.6 - 6199.2	4	Relative Sinclair HZNTL
		10-01-01-25	7231	650.0 - 1634.0	2132.0 - 5359.5	3	EOG Waskada HZNTL
		13-20-14-28	6801	165.0 - 1084.0	541.2 - 3555.5	4	WPX Willen Prov. PTH
		01-16-07-28	7073	820.0 - 2330.0	2689.6 - 7642.4	4	Tundra Sinclair Prov. HZNTL
	AT	04-20-10-28	8800	725.0 - 2184.0	2378.0 - 7163.5	4	Tundra Daly Sinclair HZNTL
		15-35-08-28	8349	700.0 - 2082.0	2296.0 - 6829.0	6	Magellan et al Daly Sinclair HZNTL
		A08-14-08-29	8540	830.0 - 2315.0	2722.4 - 7593.2	4	Sinclair Unit No. 7 Prov. HZNTL
	B1	13-05-08-29	7038	870.0 - 2507.0	2853.6 - 8223.0	4	Sinclair Unit No. 1 HZNTL WIW
		04-33-01-25	7101	850.0 - 1645.0	2788.0 - 5395.6	3	Penn West Waskada HZNTL
		09-24-02-24	7215	550.0 - 907.0	1804.0 - 2975.0	2	Penn West Goodlands
		07-16-15-28	6811	165.0 - 1080.0	541.2 - 3542.4	4	WPX East McAuley Prov. PTH
	B2	08-16-08-28	7053	780.0 - 1987.0	2558.4 - 6517.4	3	Tundra Sinclair Prov. HZNTL
		09-19-08-28	7013	800.0 - 2448.0	2624.0 - 8029.4	4	Tundra Sinclair HZNTL
		14-31-07-29	7078	875.0 - 2553.0	2870.0 - 8373.8	7	Magellan Tetonka Sinclair HZNTL
	B3	13-20-08-29	6851	850.0 - 2141.0	2788.0 - 7022.5	4	Tundra Sinclair Prov. HZNTL
		08-12-09-29	6798	790.0 - 2203.0	2591.2 - 7225.8	4	Tundra Daly HZNTL
		A14-06-01-24	6983	800.0 - 2058.0	2624.0 - 6750.2	6	ARC Waskada Prov. HZNTL
	B4	08-08-08-28	6929	810.0 - 2445.0	2656.8 - 8019.6	4	Tundra Sinclair HZNTL
		03-21-12-29	7139	120.0 - 841.6	393.6 - 2760.4	3	Reliable Kirkella
		01-08-13-29	7103	115.0 - 805.0	377.2 - 2640.4	3	Reliable Manson
		14-35-11-29	7142	110.0 - 874.0	360.8 - 2866.7	4	Reliable South Kirkella Prov.
	B5	05-24-07-29	7074	855.0 - 1818.0	2804.4 - 5963.0	4	Tundra Sinclair Prov. HZNTL
		03-11-07-28	7068	855.0 - 2493.0	2804.4 - 8177.0	4	Tundra Sinclair Prov. HZNTL
		09-31-08-28	7095	785.0 - 2269.0	2574.8 - 7442.3	4	Tundra Sinclair HZNTL
		05-24-07-29	7074	855.0 - 1818.0	2804.4 - 5963.0	4	Tundra Sinclair Prov. HZNTL
	BT	A13-28-01-25	8415	625.0 - 1659.0	2050.0 - 5441.5	2	EOG Waskada HZNTL
		01-14-08-29	8732	900.0 - 2180.0	2952.0 - 7150.4	3	Tundra Daly Sinclair Prov. HZNTL
		12-09-02-28	9179	985.0 - 1696.0	3230.8 - 5562.9	2	EOG Pierson HZNTL
		B13-28-01-25	8416	925.0 - 1631.0	3034.0 - 5349.7	2	EOG Waskada HZNTL
		A16-28-01-25	8522	1040.0 - 1640.0	3411.2 - 5379.2	2	EOG Waskada HZNTL
		08-21-02-28	9094	985.0 - 1735.0	3230.8 - 5690.8	2	EOG Pierson HZNTL
		16-28-01-25	8521	930.0 - 1668.0	3050.4 - 5471.0	2	EOG Waskada HZNTL
	C1	13-29-17-28	6753	175.0 - 1020.0	574.0 - 3345.6	4	WPX St. Lazare Prov. PTH
		04-11-17-28	6743	170.0 - 955.0	557.6 - 3132.4	4	WPX St. Lazare Prov. PTH
		08-20-17-28	6744	155.0 - 1007.0	508.4 - 3303.0	4	WPX St. Lazare Prov. PTH
	C2	04-11-10-27	6803	145.0 - 845.0	475.6 - 2771.6	4	Tundra Virden Prov.

**Non Confidential Sample Cuttings**  
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**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
252	C2	13-16-13-29	6821	165.0 - 1234.0	541.2 - 4047.5	5	WPX Manson Prov. PTH
		12-17-08-29	6896	850.0 - 1092.0	2788.0 - 3581.8	4	Tundra Sinclair HZNTL
	C3	05-11-09-29	6812	790.0 - 2357.0	2591.2 - 7731.0	4	Tundra Daly Prov. HZNTL
		13-06-07-29	6959	890.0 - 2630.0	2919.2 - 8626.4	7	Fairborne Sinclair Prov. HZNTL
		04-34-01-25	7165	650.0 - 1648.0	2132.0 - 5405.4	3	Waskada Unit No. 19 HZNTL
	C4	08-17-11-28	7147	115.0 - 902.0	377.2 - 2958.6	4	Reliable Elkhorn
		14-15-08-28	7109	750.0 - 930.0	2460.0 - 3050.4	4	Antler River Sinclair
		14-15-08-28	7109	750.0 - 930.0	2460.0 - 3050.4	4	Antler River Sinclair
		11-27-11-29	7113	105.0 - 886.0	344.4 - 2906.1	4	Reliable South Kirkella
		12-24-11-29	7102	115.0 - 932.0	377.2 - 3057.0	4	Reliable South Kirkella
	C5	13-04-12-26	6794	400.0 - 1395.0	1312.0 - 4575.6	4	North Virden Scallion Unit No. 1 HZNTL
		13-04-12-26	6794	745.0 - 1635.0	2443.6 - 5362.8	4	North Virden Scallion Unit No. 1 HZNTL
		13-04-12-26	6794	745.0 - 1635.0	2443.6 - 5362.8	4	North Virden Scallion Unit No. 1 HZNTL
		13-04-12-26	6794	1400.0 - 1410.0	4592.0 - 4624.8	1	North Virden Scallion Unit No. 1 HZNTL
		08-05-12-26	6858	500.0 - 1725.0	1640.0 - 5658.0	5	North Virden Scallion Unit No. 1 HZNTL
		08-05-12-26	6858	500.0 - 1725.0	1640.0 - 5658.0	5	North Virden Scallion Unit No. 1 HZNTL
		13-04-12-26	6794	1400.0 - 1410.0	4592.0 - 4624.8	1	North Virden Scallion Unit No. 1 HZNTL
		13-04-12-26	6794	400.0 - 1395.0	1312.0 - 4575.6	4	North Virden Scallion Unit No. 1 HZNTL
	CT	13-14-14-29	8723	580.0 - 2130.0	1902.4 - 6986.4	7	CPEC South McAuley HZNTL
		13-14-14-29	8723	580.0 - 2130.0	1902.4 - 6986.4	7	CPEC South McAuley HZNTL
13-14-14-29		8723	555.0 - 691.0	1820.4 - 2266.5	1	CPEC South McAuley HZNTL	
13-14-14-29		8723	555.0 - 691.0	1820.4 - 2266.5	1	CPEC South McAuley HZNTL	
01-14-11-29		8877	740.0 - 2344.0	2427.2 - 7688.3	7	CPEC South Kirkella HZNTL	
253	A1	09-20-10-28	7191	725.0 - 2331.0	2378.0 - 7645.7	4	Tundra Daly HZNTL
		05-33-11-26	6857	500.0 - 1495.0	1640.0 - 4903.6	4	North Virden Scallion Unit No. 1 HZNTL
		05-33-11-26	6857	500.0 - 1495.0	1640.0 - 4903.6	4	North Virden Scallion Unit No. 1 HZNTL
		05-33-11-26	6857	1500.0 - 1533.0	4920.0 - 5028.2	1	North Virden Scallion Unit No. 1 HZNTL
		05-33-11-26	6857	1500.0 - 1533.0	4920.0 - 5028.2	1	North Virden Scallion Unit No. 1 HZNTL
		05-33-11-26	6857	800.0 - 1560.0	2624.0 - 5116.8	4	North Virden Scallion Unit No. 1 HZNTL
		05-33-11-26	6857	800.0 - 1560.0	2624.0 - 5116.8	4	North Virden Scallion Unit No. 1 HZNTL
	A2	07-19-16-27	7092	470.0 - 1347.0	1541.6 - 4418.2	4	Birdtail Unit No. 2 Prov. HZNTL
		04-19-10-28	7178	725.0 - 2300.0	2378.0 - 7544.0	4	Tundra Daly HZNTL
		12-06-10-27	7135	690.0 - 2104.0	2263.2 - 6901.1	4	Tundra Daly Prov. HZNTL
		04-31-10-28	7141	730.0 - 2306.0	2394.4 - 7563.7	4	Tundra Daly HZNTL
		04-02-17-28	7085	145.0 - 535.0	475.6 - 1754.8	2	Tundra St. Lazare
	A3	B05-34-01-25	7167	650.0 - 1647.0	2132.0 - 5402.2	3	Waskada Unit No. 19 HZNTL
		07-05-01-24	7126	650.0 - 1674.0	2132.0 - 5490.7	3	EOG Waskada HZNTL
		02-03-02-26	7233	850.0 - 1792.0	2788.0 - 5877.8	3	Waskada Unit No. 5 HZNTL
		B16-03-01-24	7117	650.0 - 1681.0	2132.0 - 5513.7	3	EOG Waskada HZNTL
	A4	16-04-01-24	7062	650.0 - 1718.0	2132.0 - 5635.0	3	EOG Waskada HZNTL 16-4-1-24
		11-12-02-25	7229	650.0 - 1669.0	2132.0 - 5474.3	3	EOG Waskada Prov. HZNTL
		A10-05-01-24	7127	650.0 - 1667.0	2132.0 - 5467.8	3	EOG Waskada HZNTL



**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
253	A4	12-01-01-25	7232	650.0 - 1680.0	2132.0 - 5510.4	3	EOG Waskada HZNTL
		05-01-01-25	7230	650.0 - 1677.0	2132.0 - 5500.6	3	EOG Waskada HZNTL
	A5	09-30-01-28	7223	165.0 - 1055.0	541.2 - 3460.4	4	Molopo Pierson
		01-08-02-28	7225	990.0 - 2268.0	3247.2 - 7439.0	3	Molopo Pierson HZNTL
		11-21-02-26	7244	595.0 - 2070.0	1951.6 - 6789.6	3	Penn West Waskada
		08-04-01-24	7183	690.0 - 1647.0	2263.2 - 5402.2	4	ARC Waskada Prov. HZNTL
	AT	09-30-10-26	9239	560.0 - 1919.5	1836.8 - 6296.0	4	Tundra Virden HZNTL
		13-35-09-28	9230	750.0 - 1664.0	2460.0 - 5457.9	3	Daly Unit No. 4 HZNTL
		A01-04-09-28	9244	840.0 - 2292.0	2755.2 - 7517.8	4	Tundra Daly Sinclair HZNTL
		A08-32-08-29	9150	890.0 - 2400.0	2919.2 - 7872.0	4	Tundra Daly Sinclair Prov. HZNTL
	B1	10-19-01-23	7221	700.0 - 1010.0	2296.0 - 3312.8	2	Penn West South Deloraine
		12-36-08-29	7097	755.0 - 2439.0	2476.4 - 7999.9	4	Tundra Sinclair Prov. HZNTL
		A04-30-10-28	7140	715.0 - 1920.0	2345.2 - 6297.6	4	Tundra Daly HZNTL
	B2	15-17-01-25	7162	650.0 - 1656.0	2132.0 - 5431.7	3	EOG Waskada HZNTL
		05-16-08-29	7020	835.0 - 1010.0	2738.8 - 3312.8	1	Sinclair Unit No. 1 HZNTL WIW
		05-16-08-29	7020	835.0 - 1010.0	2738.8 - 3312.8	1	Sinclair Unit No. 1 HZNTL WIW
		A10-16-01-25	7145	650.0 - 2063.0	2132.0 - 6766.6	4	Waskada Unit No. 18 HZNTL
		A05-34-01-25	7166	650.0 - 1669.0	2132.0 - 5474.3	3	Waskada Unit No. 19 HZNTL WIW
		14-13-01-25	7137	650.0 - 1638.0	2132.0 - 5372.6	3	EOG Waskada HZNTL
	B3	A12-34-01-25	7168	650.0 - 1659.0	2132.0 - 5441.5	3	Waskada Unit No. 19 HZNTL
		10-07-02-24	7253	650.0 - 1578.0	2132.0 - 5175.8	3	EOG Goodlands HZNTL
		13-34-01-25	7169	700.0 - 1700.0	2296.0 - 5576.0	3	Waskada Unit No. 19 HZNTL
		B12-34-01-25	7216	700.0 - 1719.0	2296.0 - 5638.3	3	Waskada Unit No. 19 HZNTL
		A01-02-02-26	7209	850.0 - 1781.0	2788.0 - 5841.7	3	Waskada Unit No. 5 HZNTL
	B4	A12-15-01-24	7154	720.0 - 1606.0	2361.6 - 5267.7	4	ARC Waskada HZNTL
05-33-01-28		7186	990.0 - 2150.0	3247.2 - 7052.0	3	Molopo Pierson HZNTL	
05-33-01-28		7186	990.0 - 2150.0	3247.2 - 7052.0	3	Molopo Pierson HZNTL	
A11-10-02-25		9870	945.0 - 1826.0	3099.6 - 5989.3	2	Waskada Unit No. 17 Prov. HZNTL	
12-19-05-28		7226	165.0 - 1176.0	541.2 - 3857.3	5	Koors East Tilston	
B5	04-32-01-27	7174	160.0 - 998.0	524.8 - 3273.4	4	Molopo Coulter	
	03-19-01-27	7204	305.0 - 1007.0	1000.4 - 3303.0	4	Molopo Coulter HZNTL	
	03-19-01-27	7204	305.0 - 1007.0	1000.4 - 3303.0	4	Molopo Coulter HZNTL	
	03-22-11-29	7269	660.0 - 905.0	2164.8 - 2968.4	1	Reliable et al South Kirkella	
	03-19-01-27	7204	1110.0 - 2223.0	3640.8 - 7291.4	3	Molopo Coulter HZNTL	
	03-19-01-27	7204	1110.0 - 2223.0	3640.8 - 7291.4	3	Molopo Coulter HZNTL	
	13-06-02-24	7254	870.0 - 1465.0	2853.6 - 4805.2	3	Petrobakken Goodlands HZNTL	
BT	A04-07-09-29	9208	930.0 - 2391.0	3050.4 - 7842.5	4	Tundra Daly Sinclair HZNTL	
	A09-20-09-29	9233	875.0 - 2202.0	2870.0 - 7222.6	3	Tundra Daly Sinclair HZNTL	
	A08-16-02-28	9086	985.0 - 1733.0	3230.8 - 5684.2	2	EOG Pierson HZNTL	
	16-22-08-29	9286	780.0 - 2542.0	2558.4 - 8337.8	5	Sinclair Unit No. 1 Prov. HZNTL	
C1	09-22-08-29	7070	835.0 - 2364.0	2738.8 - 7753.9	4	Sinclair Unit No. 1 Prov. HZNTL WIW	
	01-22-08-29	7061	835.0 - 2355.0	2738.8 - 7724.4	4	Sinclair Unit No. 1 HZNTL WIW	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
253	C1	01-18-09-27	7146	930.0 - 2336.0	3050.4 - 7662.1	3	Tundra Daly Prov. HZNTL
		01-18-09-27	7146	700.0 - 927.0	2296.0 - 3040.6	2	Tundra Daly Prov. HZNTL
		05-25-08-29	7088	795.0 - 2325.0	2607.6 - 7626.0	4	Tundra Sinclair HZNTL
		01-18-09-27	7146	700.0 - 927.0	2296.0 - 3040.6	2	Tundra Daly Prov. HZNTL
		01-18-09-27	7146	930.0 - 2336.0	3050.4 - 7662.1	3	Tundra Daly Prov. HZNTL
	C2	01-27-01-25	7163	650.0 - 1707.0	2132.0 - 5599.0	4	Waskada Unit No. 19 HZNTL
		08-03-01-24	7136	650.0 - 1667.0	2132.0 - 5467.8	3	EOG Waskada HZNTL
		A16-03-01-24	7116	650.0 - 1667.0	2132.0 - 5467.8	3	EOG Waskada HZNTL
		16-03-01-24	7115	650.0 - 1683.0	2132.0 - 5520.2	3	EOG Waskada HZNTL
	C3	15-01-02-25	7260	650.0 - 1625.0	2132.0 - 5330.0	3	EOG Waskada HZNTL
		A13-34-01-25	7217	650.0 - 1721.0	2132.0 - 5644.9	4	Waskada Unit No. 19 HZNTL
		14-01-02-25	7228	650.0 - 1731.0	2132.0 - 5677.7	4	EOG Waskada HZNTL
		07-15-01-25	7258	650.0 - 1678.0	2132.0 - 5503.8	3	EOG Waskada HZNTL
	C4	A12-34-11-29	7212	680.0 - 768.0	2230.4 - 2519.0	1	Reliable South Kirkella
		03-11-01-24	7188	680.0 - 2073.0	2230.4 - 6799.4	6	ARC Waskada Prov. HZNTL
		13-27-01-28	7247	950.0 - 2294.0	3116.0 - 7524.3	4	Molopo Pierson HZNTL
		08-28-01-28	7243	950.0 - 2230.0	3116.0 - 7314.4	3	Molopo Pierson HZNTL
	C5	13-30-08-29	7121	160.0 - 2342.0	524.8 - 7681.8	4	Tundra Sinclair Prov. HZNTL
		09-25-02-26	7235	570.0 - 901.0	1869.6 - 2955.3	2	Penn West Waskada
		09-12-02-25	7241	890.0 - 1584.0	2919.2 - 5195.5	3	Petrobakken Waskada HZNTL
	CT	09-16-02-28	9085	985.0 - 1833.0	3230.8 - 6012.2	3	EOG Pierson HZNTL
		09-20-09-29	9229	765.0 - 2305.0	2509.2 - 7560.4	4	Tundra Daly Sinclair HZNTL
		B16-28-01-25	8523	895.0 - 1669.0	2935.6 - 5474.3	2	EOG Waskada HZNTL
		11-05-01-24	8661	920.0 - 1678.0	3017.6 - 5503.8	2	EOG Waskada HZNTL
		11-05-01-24	8661	920.0 - 1678.0	3017.6 - 5503.8	2	EOG Waskada HZNTL
11-05-01-24		8661	940.0 - 993.0	3083.2 - 3257.0	1	EOG Waskada HZNTL	
11-05-01-24		8661	940.0 - 993.0	3083.2 - 3257.0	1	EOG Waskada HZNTL	
A16-05-09-29		9209	900.0 - 2337.0	2952.0 - 7665.4	3	Tundra Daly Sinclair HZNTL	
254	A1	02-15-11-29	7219	115.0 - 889.0	377.2 - 2915.9	4	Reliable South Kirkella
		12-05-01-24	7128	700.0 - 1670.0	2296.0 - 5477.6	3	EOG Waskada HZNTL
		12-34-11-29	7156	110.0 - 755.0	360.8 - 2476.4	3	Reliable South Kirkella
		15-36-11-29	7252	130.0 - 853.0	426.4 - 2797.8	3	Reliable et al South Kirkella
	A2	A03-11-02-25	6885	650.0 - 1190.0	2132.0 - 3903.2	2	EOG Waskada Prov. HZNTL
		14-03-01-24	6936	650.0 - 1664.0	2132.0 - 5457.9	3	EOG Waskada HZNTL
		01-07-01-24	6955	700.0 - 1636.0	2296.0 - 5366.1	3	EOG Waskada HZNTL
		A01-07-01-24	6956	700.0 - 1653.0	2296.0 - 5421.8	3	EOG Waskada HZNTL
		05-16-01-25	6984	650.0 - 1710.0	2132.0 - 5608.8	3	EOG Waskada Prov. HZNTL
	A3	05-01-02-25	7026	445.0 - 1565.0	1459.6 - 5133.2	5	TriStar Waskada HZNTL
		A08-28-01-25	7042	650.0 - 1647.0	2132.0 - 5402.2	3	EOG Waskada Prov. HZNTL
		02-08-01-24	6943	650.0 - 1681.0	2132.0 - 5513.7	3	EOG Waskada HZNTL
		10-05-01-24	6847	700.0 - 1658.0	2296.0 - 5438.2	3	EOG Waskada HZNTL

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
254	A4	A01-08-01-24	6945	700.0 - 1670.0	2296.0 - 5477.6	3	EOG Waskada HZNTL
		A04-02-02-26	7004	800.0 - 1866.0	2624.0 - 6120.5	3	Waskada Unit No. 5 HZNTL
		03-34-06-29	6947	825.0 - 2428.0	2706.0 - 7963.8	7	Fairborne Tilston Prov. HZNTL
	A5	14-08-02-24	7011	815.0 - 1575.0	2673.2 - 5166.0	3	TriStar Goodlands HZNTL
		B13-04-01-24	7023	700.0 - 1740.0	2296.0 - 5707.2	3	EOG Waskada HZNTL
		10-17-02-25	7064	650.0 - 1681.0	2132.0 - 5513.7	3	EOG Waskada HZNTL
	B1	A04-31-01-25	7002	800.0 - 1652.0	2624.0 - 5418.6	3	Waskada Unit No. 3 HZNTL
		08-07-01-24	6957	695.0 - 1652.0	2279.6 - 5418.6	3	EOG Waskada HZNTL
		10-16-01-25	6986	650.0 - 1860.0	2132.0 - 6100.8	4	Waskada Unit No. 18 HZNTL
		09-05-01-24	6941	690.0 - 1687.0	2263.2 - 5533.4	3	EOG Waskada HZNTL
	B2	16-16-01-25	6987	650.0 - 1710.0	2132.0 - 5608.8	3	Waskada Unit No. 18 HZNTL
		A16-16-01-25	6988	650.0 - 1713.0	2132.0 - 5618.6	3	Waskada Unit No. 18 HZNTL
		16-11-18-29	6721	150.0 - 1100.0	492.0 - 3608.0	4	WPX Gambler Prov. PTH
		03-01-18-29	6720	150.0 - 932.0	492.0 - 3057.0	4	WPX Gambler Prov. PTH
	B3	B14-04-01-24	7031	700.0 - 1873.0	2296.0 - 6143.4	4	EOG Waskada HZNTL
		12-11-11-29	6969	115.0 - 930.0	377.2 - 3050.4	4	Reliable South Kirkella Prov.
		12-11-11-29	6969	115.0 - 930.0	377.2 - 3050.4	4	Reliable South Kirkella Prov.
		B08-28-01-25	7043	650.0 - 1693.0	2132.0 - 5553.0	3	EOG Waskada Prov. HZNTL
		C03-11-02-25	6978	650.0 - 1624.0	2132.0 - 5326.7	3	EOG Waskada Prov. HZNTL
	B4	03-15-11-29	6939	115.0 - 895.0	377.2 - 2935.6	4	Reliable South Kirkella
		14-04-01-24	7029	700.0 - 1860.0	2296.0 - 6100.8	3	EOG Waskada HZNTL
		A14-04-01-24	7030	700.0 - 1740.0	2296.0 - 5707.2	3	EOG Waskada HZNTL
		02-07-01-24	6938	700.0 - 1650.0	2296.0 - 5412.0	3	EOG Waskada HZNTL
	B5	05-16-08-29	7020	835.0 - 2431.0	2738.8 - 7973.7	4	Sinclair Unit No. 1 HZNTL WIW
		04-02-02-26	7003	800.0 - 1872.0	2624.0 - 6140.2	3	Waskada Unit No. 5 HZNTL
A15-04-01-24		7032	700.0 - 1692.0	2296.0 - 5549.8	3	EOG Waskada HZNTL	
05-16-08-29		7020	835.0 - 2431.0	2738.8 - 7973.7	4	Sinclair Unit No. 1 HZNTL WIW	
04-31-01-25		7001	800.0 - 1660.0	2624.0 - 5444.8	3	Waskada Unit No. 3 HZNTL	
C1	A16-05-01-24	6942	700.0 - 1680.0	2296.0 - 5510.4	3	EOG Waskada HZNTL	
	A07-08-01-24	6944	650.0 - 1680.0	2132.0 - 5510.4	3	EOG Waskada HZNTL	
	A14-03-01-24	6937	650.0 - 1698.0	2132.0 - 5569.4	3	EOG Waskada HZNTL	
	A05-16-01-25	6985	650.0 - 1710.0	2132.0 - 5608.8	3	EOG Waskada Prov. HZNTL	
C2	07-02-03-21	7138	550.0 - 1510.0	1804.0 - 4952.8	4	Omatius et al Whitewater HZNTL	
	B16-05-01-24	6946	700.0 - 1720.0	2296.0 - 5641.6	3	EOG Waskada HZNTL	
	02-28-01-25	7025	650.0 - 1640.0	2132.0 - 5379.2	3	EOG Waskada Prov. HZNTL	
	01-28-01-25	7041	650.0 - 1668.0	2132.0 - 5471.0	3	EOG Waskada Prov. HZNTL	
C3	13-16-08-29	7059	830.0 - 2430.0	2722.4 - 7970.4	4	Sinclair Unit No. 1 HZNTL WIW	
	06-03-08-28	6993	795.0 - 2444.0	2607.6 - 8016.3	4	Tundra Sinclair HZNTL	
	B03-11-02-25	6977	650.0 - 1641.0	2132.0 - 5382.5	3	EOG Waskada Prov. HZNTL	
	03-11-02-25	6884	650.0 - 1626.0	2132.0 - 5333.3	3	EOG Waskada Prov. HZNTL	
C4	A01-07-13-29	6952	115.0 - 835.0	377.2 - 2738.8	3	Reliable Manson	

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254	C4	A03-33-01-24	7046	855.0 - 1687.0	2804.4 - 5533.4	4	TriStar Waskada HZNTL
		A13-04-01-24	7022	700.0 - 1700.0	2296.0 - 5576.0	3	EOG Waskada HZNTL
		02-09-01-24	6999	800.0 - 1616.0	2624.0 - 5300.5	4	ARC Waskada HZNTL
	C5	09-27-01-28	7190	980.0 - 2304.0	3214.4 - 7557.1	3	Molopo Pierson HZNTL
		08-27-01-28	7184	990.0 - 2207.0	3247.2 - 7239.0	3	Molopo Pierson HZNTL
		08-27-01-28	7184	990.0 - 2207.0	3247.2 - 7239.0	3	Molopo Pierson HZNTL
		08-27-01-28	7184	305.0 - 1035.0	1000.4 - 3394.8	3	Molopo Pierson HZNTL
		08-27-01-28	7184	305.0 - 1035.0	1000.4 - 3394.8	3	Molopo Pierson HZNTL
		10-08-06-28	7104	850.0 - 1840.0	2788.0 - 6035.2	4	Koors South Linklater HZNTL
	TPp	05-33-08-28	6438	165.0 - 909.0	541.2 - 2981.5	1	Leader Sinclair
		05-33-08-28	6438	165.0 - 909.0	541.2 - 2981.5	1	Leader Sinclair
	a5	07-08-06-28	7110	710.0 - 1892.0	2328.8 - 6205.8	5	Koors South Linklater HZNTL
	255	2B	A13-15-01-25	7875	900.0 - 1603.0	2952.0 - 5257.8	2
5A		02-30-16-27	7598	480.0 - 1235.0	1574.4 - 4050.8	2	Tundra Birdtail HZNTL
5B		14-35-16-28	7695	150.0 - 532.5	492.0 - 1746.6	2	Tundra St. Lazare
A1		07-01-02-25	7172	900.0 - 1635.0	2952.0 - 5362.8	3	Petrobakken Waskada HZNTL
		04-36-01-26	7355	840.0 - 1609.0	2755.2 - 5277.5	2	Waskada Unit No. 3 HZNTL
		07-11-02-29	7200	1005.0 - 1749.0	3296.4 - 5736.7	3	WestMan Pierson Prov. HZNTL
		15-31-01-28	7175	160.0 - 1048.0	524.8 - 3437.4	4	Molopo Pierson
A2		12-30-08-29	7054	860.0 - 2349.0	2820.8 - 7704.7	4	Tundra Sinclair Prov. HZNTL
		08-20-10-27	7173	680.0 - 2150.0	2230.4 - 7052.0	4	Tundra Daly HZNTL
		09-31-01-25	7278	850.0 - 1660.0	2788.0 - 5444.8	2	Waskada Unit No. 3 HZNTL
		04-05-08-28	7275	750.0 - 1640.0	2460.0 - 5379.2	4	Magellan Border Sinclair HZNTL
A3		09-27-07-29	7040	885.0 - 2532.0	2902.8 - 8305.0	4	Tundra Sinclair HZNTL
		03-26-07-29	7094	1310.0 - 1695.0	4296.8 - 5559.6	2	Border Sinclair HZNTL
		13-18-08-28	7069	790.0 - 2456.0	2591.2 - 8055.7	4	Tundra Sinclair HZNTL
		03-26-07-29	7094	880.0 - 1305.0	2886.4 - 4280.4	2	Border Sinclair HZNTL
		03-26-07-29	7094	880.0 - 1305.0	2886.4 - 4280.4	2	Border Sinclair HZNTL
		03-26-07-29	7094	1310.0 - 1695.0	4296.8 - 5559.6	2	Border Sinclair HZNTL
		03-26-07-29	7094	1125.0 - 1685.0	3690.0 - 5526.8	2	Border Sinclair HZNTL
A4		01-31-01-25	7311	835.0 - 1717.0	2738.8 - 5631.8	3	Waskada Unit No. 3 HZNTL
		08-31-01-25	7312	845.0 - 1710.0	2771.6 - 5608.8	3	Waskada Unit No. 3 HZNTL
		08-36-01-26	7356	870.0 - 2186.0	2853.6 - 7170.1	4	Waskada Unit No. 3 HZNTL
A5		01-03-08-29	7274	850.0 - 2406.0	2788.0 - 7891.7	4	Sinclair Unit No. 3 HZNTL WIW
		14-17-01-27	7420	950.0 - 2300.0	3116.0 - 7544.0	4	Molopo Coulter HZNTL
B1	A13-24-01-26	7180	850.0 - 1852.0	2788.0 - 6074.6	3	Waskada LAm Unit No. 1 HZNTL	
	08-11-01-24	7189	680.0 - 2060.0	2230.4 - 6756.8	6	ARC Waskada Prov. HZNTL	
	12-24-01-26	7179	850.0 - 1850.0	2788.0 - 6068.0	3	Waskada LAm Unit No. 1 HZNTL	
B2	08-15-10-29	7014	770.0 - 2396.0	2525.6 - 7858.9	4	Tundra et al Daly HZNTL	
	01-11-10-27	7181	680.0 - 2160.0	2230.4 - 7084.8	4	Tundra Virden Prov. HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
255	B2	01-35-08-29	7048	810.0 - 2285.0	2656.8 - 7494.8	4	Tundra Sinclair HZNTL
	B3	04-26-07-28	7176	820.0 - 2335.0	2689.6 - 7658.8	4	Tundra Sinclair HZNTL
		08-34-08-28	7287	745.0 - 2236.0	2443.6 - 7334.1	4	Tundra Sinclair Prov. HZNTL
		04-21-08-29	7060	830.0 - 2418.0	2722.4 - 7931.0	4	Sinclair Unit No. 1 HZNTL WIW
		06-08-01-24	7158	900.0 - 1691.0	2952.0 - 5546.5	2	EOG Waskada HZNTL
		B4	02-08-01-27	7401	900.0 - 2080.0	2952.0 - 6822.4	3
	02-08-01-27		7401	900.0 - 2080.0	2952.0 - 6822.4	3	Molopo Coulter HZNTL
	08-27-01-26		7423	900.0 - 1740.0	2952.0 - 5707.2	3	Waskada Unit No. 2 HZNTL
	16-31-01-25		7279	850.0 - 1719.0	2788.0 - 5638.3	3	Waskada Unit No. 3 HZNTL
	03-17-09-28		7283	785.0 - 1899.0	2574.8 - 6228.7	5	Relative Daly HZNTL
	B5	04-11-08-29	7379	815.0 - 2364.0	2673.2 - 7753.9	4	Sinclair Unit No. 3 Prov. HZNTL WIW
		09-01-08-29	7412	815.0 - 2353.0	2673.2 - 7717.8	4	Sinclair Unit No. 3 HZNTL WIW
		A01-12-08-29	7382	815.0 - 2342.0	2673.2 - 7681.8	4	Sinclair Unit No. 3 Prov. HZNTL WIW
	C1	01-34-07-28	7280	830.0 - 2330.0	2722.4 - 7642.4	4	Tundra Sinclair Prov. HZNTL
		04-18-09-29	7238	820.0 - 2441.0	2689.6 - 8006.5	4	Tundra Daly HZNTL
		12-18-09-29	7257	820.0 - 2443.0	2689.6 - 8013.0	4	Tundra Daly HZNTL
	C2	08-30-09-27	7028	710.0 - 2352.0	2328.8 - 7714.6	4	Tundra Daly Prov. HZNTL
		16-04-04-27	7255	150.0 - 1080.0	492.0 - 3542.4	4	Tundra Melita DIR
		07-24-10-29	7019	740.0 - 2298.0	2427.2 - 7537.4	4	Tundra Daly Prov. HZNTL
		06-17-01-27	7435	960.0 - 1700.0	3148.8 - 5576.0	2	Molopo Coulter HZNTL
	C3	A11-08-01-24	7160	900.0 - 1636.0	2952.0 - 5366.1	2	EOG Waskada HZNTL
		08-12-08-29	7383	820.0 - 2350.0	2689.6 - 7708.0	4	Sinclair Unit No. 3 Prov. HZNTL WIW
		05-11-08-29	7380	840.0 - 2380.0	2755.2 - 7806.4	4	Sinclair Unit No. 3 Prov. HZNTL WIW
	C4	05-15-11-29	7478	700.0 - 1980.0	2296.0 - 6494.4	3	Reliable South Kirkella HZNTL
		13-27-08-28	7265	740.0 - 1552.0	2427.2 - 5090.6	4	White North Sinclair HZNTL
09-33-08-28		7358	670.0 - 2235.0	2197.6 - 7330.8	7	Black Gold Daly Sinclair HZNTL	
C5	A01-10-08-29	7323	840.0 - 2402.0	2755.2 - 7878.6	4	Sinclair Unit No. 3 HZNTL WIW	
	05-02-08-29	7414	815.0 - 2427.0	2673.2 - 7960.6	4	Sinclair Unit No. 3 Prov. HZNTL WIW	
	A01-10-08-29	7323	840.0 - 2402.0	2755.2 - 7878.6	4	Sinclair Unit No. 3 HZNTL WIW	
	05-18-08-28	7286	800.0 - 2293.0	2624.0 - 7521.0	4	Tundra Sinclair Prov. HZNTL	
256	A1	03-28-09-29	7105	790.0 - 2270.0	2591.2 - 7445.6	5	Tundra Daly Prov. HZNTL
		09-24-08-28	7264	755.0 - 2465.0	2476.4 - 8085.2	4	Tundra Sinclair HZNTL
		05-02-04-22	7256	140.0 - 940.0	459.2 - 3083.2	4	Tundra Regent Prov. DIR
	A2	08-12-04-22	7207	690.0 - 1757.0	2263.2 - 5763.0	3	Tundra Regent HZNTL
		08-12-04-22	7207	960.0 - 1563.0	3148.8 - 5126.6	1	Tundra Regent HZNTL
		08-12-04-22	7207	910.0 - 1899.5	2984.8 - 6230.4	2	Tundra Regent HZNTL
		08-12-04-22	7207	910.0 - 1899.5	2984.8 - 6230.4	2	Tundra Regent HZNTL
		08-12-04-22	7207	910.0 - 1899.5	2984.8 - 6230.4	2	Tundra Regent HZNTL
		08-12-04-22	7207	690.0 - 1757.0	2263.2 - 5763.0	3	Tundra Regent HZNTL
		08-12-04-22	7207	690.0 - 1757.0	2263.2 - 5763.0	3	Tundra Regent HZNTL
	08-12-04-22	7207	960.0 - 1563.0	3148.8 - 5126.6	1	Tundra Regent HZNTL	

**Non Confidential Sample Cuttings**  
by  
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**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
256	A2	13-02-09-29	7111	800.0 - 2030.0	2624.0 - 6658.4	4	Tundra Sinclair Prov. HZNTL
		13-32-04-28	7239	140.0 - 1003.0	459.2 - 3289.8	4	Tundra West Melita Prov.
		08-12-04-22	7207	960.0 - 1563.0	3148.8 - 5126.6	1	Tundra Regent HZNTL
	A3	06-10-11-29	6933	680.0 - 1090.0	2230.4 - 3575.2	2	Reliable South Kirkella Prov.
		16-13-08-29	7076	810.0 - 2488.0	2656.8 - 8160.6	4	Tundra Sinclair HZNTL
	A4	08-04-09-28	7249	755.0 - 2402.0	2476.4 - 7878.6	4	Tundra Daly HZNTL
		05-05-09-28	7250	755.0 - 2246.0	2476.4 - 7366.9	4	Tundra et al Daly HZNTL
		01-10-09-29	7224	820.0 - 2308.0	2689.6 - 7570.2	4	Tundra Daly Prov. HZNTL
	A5	04-24-02-29	7289	1000.0 - 1704.0	3280.0 - 5589.1	3	Atikwa Pierson HZNTL
		02-05-08-28	7107	805.0 - 2296.0	2640.4 - 7530.9	4	Tundra Sinclair HZNTL
		04-24-02-29	7289	1000.0 - 1704.0	3280.0 - 5589.1	3	Atikwa Pierson HZNTL
		03-03-08-28	7177	805.0 - 2450.0	2640.4 - 8036.0	4	Tundra Sinclair HZNTL
		04-24-02-29	7289	1000.0 - 1704.0	3280.0 - 5589.1	3	Atikwa Pierson HZNTL
		A13-04-08-29	7133	875.0 - 1334.0	2870.0 - 4375.5	2	Tundra Sinclair Prov. HZNTL SWD
	B1	05-33-01-28	7186	305.0 - 1050.0	1000.4 - 3444.0	3	Molopo Pierson HZNTL
		05-33-01-28	7186	305.0 - 1050.0	1000.4 - 3444.0	3	Molopo Pierson HZNTL
	B2	12-21-05-28	7240	140.0 - 1130.0	459.2 - 3706.4	4	Tundra East Tilston
		09-22-10-28	7196	715.0 - 2395.0	2345.2 - 7855.6	5	Tundra Daly HZNTL
		16-03-08-29	7263	850.0 - 2397.0	2788.0 - 7862.2	4	Sinclair Unit No. 3 HZNTL WIW
	B3	16-11-07-28	7205	815.0 - 2343.0	2673.2 - 7685.0	4	Tundra Sinclair Prov. HZNTL
		12-15-01-25	7872	950.0 - 1623.0	3116.0 - 5323.4	2	Red Beds Waskada HZNTL
		01-26-08-28	7248	700.0 - 2337.0	2296.0 - 7665.4	4	Tundra Sinclair HZNTL
		13-19-10-29	7227	785.0 - 2381.0	2574.8 - 7809.7	4	Tundra Daly HZNTL
	B4	04-11-09-29	7213	795.0 - 2425.0	2607.6 - 7954.0	4	Tundra Daly Prov. HZNTL
		04-11-09-29	7213	795.0 - 950.0	2607.6 - 3116.0	1	Tundra Daly Prov. HZNTL
		08-30-08-28	7075	795.0 - 2431.0	2607.6 - 7973.7	4	Tundra Sinclair Prov. HZNTL
		04-11-09-29	7213	795.0 - 2425.0	2607.6 - 7954.0	4	Tundra Daly Prov. HZNTL
06-08-06-28		4508	1075.0 - 1656.0	3526.0 - 5431.7	3	HCO et al S. Linklater HZNTL	
06-08-06-28		4508	1075.0 - 1656.0	3526.0 - 5431.7	3	HCO et al S. Linklater HZNTL	
06-08-06-28		4508	1075.0 - 1656.0	3526.0 - 5431.7	3	HCO et al S. Linklater HZNTL	
04-11-09-29		7213	795.0 - 950.0	2607.6 - 3116.0	1	Tundra Daly Prov. HZNTL	
B5	07-13-02-25	7237	840.0 - 1400.0	2755.2 - 4592.0	3	Petrobakken Waskada HZNTL	
	09-18-09-28	7134	790.0 - 2257.0	2591.2 - 7403.0	4	Tundra Sinclair Prov. HZNTL	
	10-12-02-25	7242	855.0 - 1562.0	2804.4 - 5123.4	3	Petrobakken Waskada HZNTL	
	07-05-08-28	7195	805.0 - 2030.0	2640.4 - 6658.4	3	Tundra Sinclair HZNTL	
C1	16-21-08-28	7143	775.0 - 2438.0	2542.0 - 7996.6	4	Tundra Magellan Sinclair HZNTL	
	16-34-08-28	7089	740.0 - 2237.0	2427.2 - 7337.4	4	Tundra Sinclair Prov. HZNTL	
	16-13-08-28	7185	765.0 - 2395.0	2509.2 - 7855.6	4	Tundra Sinclair HZNTL	
C2	09-31-02-29	7288	800.0 - 1833.0	2624.0 - 6012.2	5	WestMan Pierson HZNTL	
	07-16-13-28	7276	110.0 - 714.0	360.8 - 2341.9	3	Reliable East Manson Prov.	
	12-02-09-29	7099	800.0 - 2437.0	2624.0 - 7993.4	4	Tundra Sinclair Prov. HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name	
256	C2	12-02-02-26	7199	850.0 - 1642.0	2788.0 - 5385.8	2	Waskada Unit No. 5 Prov. HZNTL	
	C3	13-02-08-29	7261	810.0 - 2060.0	2656.8 - 6756.8	4	Sinclair Unit No. 3 Prov. HZNTL WIW	
		13-04-09-29	7153	820.0 - 2455.0	2689.6 - 8052.4	4	Tundra et al Sinclair Prov. HZNTL	
		09-01-09-29	7098	800.0 - 2287.0	2624.0 - 7501.4	4	Tundra Daly HZNTL	
		13-05-09-28	7281	745.0 - 2172.0	2443.6 - 7124.2	4	Tundra et al Daly HZNTL	
		09-10-02-29	7198	950.0 - 1680.0	3116.0 - 5510.4	3	CNRL Pierson HZNTL	
	C4	08-13-08-28	7203	770.0 - 2200.0	2525.6 - 7216.0	4	Tundra Sinclair HZNTL	
		08-10-02-29	7197	950.0 - 1676.0	3116.0 - 5497.3	3	CNRL Pierson HZNTL	
		14-30-02-28	7047	950.0 - 1683.0	3116.0 - 5520.2	3	CNRL Pierson HZNTL	
		11-14-01-24	7194	675.0 - 1663.0	2214.0 - 5454.6	4	ARC Waskada HZNTL	
	C5	04-24-01-24	7202	1730.0 - 1906.0	5674.4 - 6251.7	5	ARC Waskada HZNTL	
		07-16-02-24	7259	855.0 - 1580.0	2804.4 - 5182.4	3	Petrobakken Goodlands Prov. HZNTL	
		16-36-01-26	7201	850.0 - 1769.0	2788.0 - 5802.3	3	Waskada Unit No. 3 HZNTL	
		257	2B5	16-23-08-29	7398	825.0 - 2280.0	2706.0 - 7478.4	4
	A1	A16-34-01-25	7329	700.0 - 1672.0	2296.0 - 5484.2	3	Waskada Unit No. 19 Prov. HZNTL	
		16-29-01-27	7490	900.0 - 2315.0	2952.0 - 7593.2	4	Molopo Coulter Prov. HZNTL	
13-31-01-25		7314	850.0 - 1708.0	2788.0 - 5602.2	3	Waskada Unit No. 3 HZNTL		
A2	08-03-02-25	7306	700.0 - 1618.0	2296.0 - 5307.0	3	EOG Waskada HZNTL		
	15-30-13-28	7501	145.0 - 714.0	475.6 - 2341.9	3	Fort Calgary East Manson Prov.		
	A08-03-02-25	7307	700.0 - 1635.0	2296.0 - 5362.8	3	EOG Waskada HZNTL		
	B01-03-02-25	7305	700.0 - 1660.0	2296.0 - 5444.8	3	EOG Waskada HZNTL		
A3	09-05-13-28	7442	114.0 - 753.0	373.9 - 2469.8	3	Reliable East Manson		
	08-01-02-26	7511	890.0 - 1795.0	2919.2 - 5887.6	3	Waskada Unit No. 13 HZNTL		
	14-21-11-28	7368	115.0 - 945.0	377.2 - 3099.6	4	Reliable Elkhorn DIR		
A4	13-27-01-25	7293	840.0 - 1703.0	2755.2 - 5585.8	3	Waskada Unit No. 19 HZNTL		
	A16-27-01-25	7296	700.0 - 1720.0	2296.0 - 5641.6	3	Waskada Unit No. 19 HZNTL		
	A13-27-01-25	7294	700.0 - 1735.0	2296.0 - 5690.8	3	Waskada Unit No. 19 HZNTL		
A5	14-24-08-29	7409	810.0 - 2281.0	2656.8 - 7481.7	4	Tundra Daly Sinclair Prov. HZNTL		
	A12-15-01-25	7873	900.0 - 1635.0	2952.0 - 5362.8	2	Red Beds Waskada HZNTL		
	12-25-08-29	7366	795.0 - 2329.0	2607.6 - 7639.1	4	Tundra Daly Sinclair HZNTL		
A6	01-20-01-27	7473	145.0 - 1030.0	475.6 - 3378.4	4	Molopo Coulter		
	B12-27-01-25	7292	840.0 - 1706.0	2755.2 - 5595.7	3	Waskada Unit No. 19 HZNTL WIW		
	08-25-01-28	7472	215.0 - 2244.0	705.2 - 7360.3	7	Molopo Pierson HZNTL		
	08-25-01-28	7472	215.0 - 2244.0	705.2 - 7360.3	7	Molopo Pierson HZNTL		
B1	A09-13-02-29	7519	900.0 - 2330.0	2952.0 - 7642.4	4	Molopo Pierson HZNTL		
	01-03-02-25	7303	700.0 - 895.0	2296.0 - 2935.6	3	EOG Waskada HZNTL		
	A01-03-02-25	7304	700.0 - 1190.0	2296.0 - 3903.2	3	EOG Waskada HZNTL		
B2	01-20-13-28	7495	145.0 - 715.0	475.6 - 2345.2	3	Fort Calgary East Manson Prov.		
	03-21-13-28	7477	145.0 - 715.0	475.6 - 2345.2	3	Fort Calgary East Manson		
	06-06-02-25	7531	885.0 - 1755.0	2902.8 - 5756.4	3	Penn West Waskada HZNTL		
	03-06-02-25	7530	835.0 - 1680.0	2738.8 - 5510.4	3	Penn West Waskada HZNTL		

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
257	B3	04-33-01-27	7505	900.0 - 2489.0	2952.0 - 8163.9	4	Molopo Coulter HZNTL
		10-08-11-28	7369	120.0 - 886.0	393.6 - 2906.1	4	Reliable Elkhorn
		12-10-10-28	7210	450.0 - 1424.0	1476.0 - 4670.7	4	Enerplus Daly Prov. HZNTL
	B4	B09-27-01-25	7345	840.0 - 1736.0	2755.2 - 5694.1	3	Waskada Unit No. 19 HZNTL WIW
		08-02-02-29	7540	950.0 - 2344.0	3116.0 - 7688.3	3	Molopo Pierson Prov. HZNTL
		16-27-01-25	7295	840.0 - 1699.0	2755.2 - 5572.7	3	Waskada Unit No. 19 HZNTL
	B5	09-13-01-26	7455	830.0 - 1627.0	2722.4 - 5336.6	3	Penn West Waskada HZNTL
		06-33-13-28	7470	320.0 - 685.0	1049.6 - 2246.8	2	Fort Calgary East Manson
	B6	09-35-08-29	7375	820.0 - 2310.0	2689.6 - 7576.8	4	Tundra Daly Sinclair HZNTL
		12-13-10-27	7417	645.0 - 2138.0	2115.6 - 7012.6	4	Tundra Virden HZNTL
		08-22-02-29	7438	960.0 - 2345.0	3148.8 - 7691.6	4	Molopo Pierson Prov. HZNTL
	C1	16-27-01-25	5720	800.0 - 940.0	2624.0 - 3083.2	1	Waskada Unit No. 19
		B08-03-02-25	7308	700.0 - 1497.0	2296.0 - 4910.2	3	EOG Waskada HZNTL
		C08-03-02-25	7309	700.0 - 1630.0	2296.0 - 5346.4	3	EOG Waskada HZNTL
		D08-03-02-25	7310	700.0 - 1637.0	2296.0 - 5369.4	3	EOG Waskada HZNTL
	C2	05-15-06-22	5827	600.0 - 1507.0	1968.0 - 4943.0	3	Lodgepole Souris Hartney HZNTL
		05-03-01-24	7431	850.0 - 1642.0	2788.0 - 5385.8	3	Penn West Waskada HZNTL
		08-32-05-27	6008	800.0 - 1856.0	2624.0 - 6087.7	3	Lodgepole Broomhill Prov. HZNTL
		16-16-06-22	5927	600.0 - 1545.0	1968.0 - 5067.6	3	Lodgepole Souris Hartney HZNTL
	C3	B08-25-07-29	7796	835.0 - 880.0	2738.8 - 2886.4	1	Sinclair Unit No. 2 HZNTL
		10-29-02-29	7678	930.0 - 1070.0	3050.4 - 3509.6	1	CNRL Pierson Prov.
		10-29-02-29	7678	930.0 - 1070.0	3050.4 - 3509.6	1	CNRL Pierson Prov.
		B08-25-07-29	7796	835.0 - 880.0	2738.8 - 2886.4	1	Sinclair Unit No. 2 HZNTL
		04-34-01-27	7474	145.0 - 1011.0	475.6 - 3316.1	4	Molopo Coulter
		15-16-09-28	6035	700.0 - 1440.0	2296.0 - 4723.2	3	Lodgepole Daly Prov. HZNTL
B08-25-07-29		7796	840.0 - 1005.0	2755.2 - 3296.4	1	Sinclair Unit No. 2 HZNTL	
B08-25-07-29		7796	840.0 - 1005.0	2755.2 - 3296.4	1	Sinclair Unit No. 2 HZNTL	
C4	02-30-02-28	7503	950.0 - 2314.0	3116.0 - 7589.9	4	Molopo Pierson HZNTL	
	03-30-11-29	7457	135.0 - 927.0	442.8 - 3040.6	4	Reliable South Kirkella	
	08-27-01-25	5718	800.0 - 935.0	2624.0 - 3066.8	1	Waskada Unit No. 19	
C5	10-20-11-29	7404	130.0 - 903.0	426.4 - 2961.8	4	Reliable et al South Kirkella Prov.	
	07-26-01-28	7481	910.0 - 1680.0	2984.8 - 5510.4	2	Molopo Pierson HZNTL	
	01-35-01-28	7533	950.0 - 2295.0	3116.0 - 7527.6	4	Molopo Pierson HZNTL	
C6	08-14-01-25	7464	800.0 - 2406.0	2624.0 - 7891.7	4	Penn West Waskada HZNTL	
	09-30-08-28	7365	795.0 - 2435.0	2607.6 - 7986.8	4	Tundra Daly Sinclair Prov. HZNTL	
	11-05-02-28	7319	500.0 - 1695.0	1640.0 - 5559.6	5	Atikwa Pierson HZNTL	
258	A1	08-35-08-29	7374	820.0 - 2282.0	2689.6 - 7485.0	4	Tundra Daly Sinclair HZNTL
		12-18-07-28	7515	820.0 - 2580.0	2689.6 - 8462.4	5	Sinclair Unit No. 2 Prov. HZNTL WIW
		04-19-07-28	7482	820.0 - 2429.0	2689.6 - 7967.1	4	Sinclair Unit No. 2 HZNTL WIW
	A14-36-01-26	7552	885.0 - 1670.0	2902.8 - 5477.6	2	Waskada Unit No. 3 HZNTL	
	A2	A16-19-07-28	7538	835.0 - 2503.0	2738.8 - 8209.8	4	Sinclair Unit No. 2 HZNTL WIW



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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
258	A2	04-21-01-25	7443	840.0 - 1735.0	2755.2 - 5690.8	3	Waskada Unit No. 18 HZNTL
		12-24-07-29	7545	840.0 - 2341.0	2755.2 - 7678.5	4	Sinclair Unit No. 2 Prov. HZNTL WIW
	A3	08-30-07-28	7475	840.0 - 2484.0	2755.2 - 8147.5	4	Sinclair Unit No. 2 HZNTL WIW
		A03-02-02-25	7271	700.0 - 1621.0	2296.0 - 5316.9	3	EOG Waskada HZNTL
		12-25-07-29	7476	840.0 - 2345.0	2755.2 - 7691.6	4	Sinclair Unit No. 2 HZNTL WIW
	A4	01-05-02-28	7566	950.0 - 2322.0	3116.0 - 7616.2	4	Molopo Pierson HZNTL
		16-22-01-28	7489	900.0 - 1680.0	2952.0 - 5510.4	3	Molopo Pierson HZNTL
		08-19-08-28	7406	805.0 - 2452.0	2640.4 - 8042.6	4	Tundra Daly Sinclair HZNTL
	A5	01-26-02-29	7541	900.0 - 2316.0	2952.0 - 7596.5	4	Molopo Pierson HZNTL
		A09-27-01-25	7344	840.0 - 1696.0	2755.2 - 5562.9	3	Waskada Unit No. 19 HZNTL
		A12-27-01-25	7291	700.0 - 1764.0	2296.0 - 5785.9	3	Waskada Unit No. 19 HZNTL
		B08-27-01-25	7342	840.0 - 1734.0	2755.2 - 5687.5	3	Waskada Unit No. 19 HZNTL
	AT	01-14-02-29	8338	970.0 - 1758.0	3181.6 - 5766.2	2	CNRL Pierson Prov. HZNTL
		01-20-02-29	7986	975.0 - 1760.0	3198.0 - 5772.8	3	CNRL Pierson Prov. HZNTL
		08-14-02-29	8340	950.0 - 2344.0	3116.0 - 7688.3	4	CNRL Pierson Prov. HZNTL
	B1	A08-27-01-25	7341	840.0 - 1710.0	2755.2 - 5608.8	3	Waskada Unit No. 19 HZNTL
		08-27-01-25	7340	840.0 - 1700.0	2755.2 - 5576.0	3	Waskada Unit No. 19 HZNTL
		03-24-01-25	7330	890.0 - 1706.0	2919.2 - 5595.7	2	EOG Waskada Prov. HZNTL
		A01-27-01-25	7164	840.0 - 1734.0	2755.2 - 5687.5	3	Waskada Unit No. 19 HZNTL
	B2	12-21-01-25	7348	840.0 - 1714.0	2755.2 - 5621.9	3	Waskada Unit No. 18 HZNTL
		A12-25-07-29	7484	820.0 - 2328.0	2689.6 - 7635.8	4	Sinclair Unit No. 2 HZNTL WIW
		09-30-07-28	7483	820.0 - 2479.0	2689.6 - 8131.1	4	Sinclair Unit No. 2 HZNTL WIW
	B3	16-01-08-29	7413	815.0 - 2294.0	2673.2 - 7524.3	4	Sinclair Unit No. 3 HZNTL WIW
		14-35-01-25	7170	700.0 - 1665.0	2296.0 - 5461.2	3	EOG Waskada HZNTL
		12-02-08-29	7416	815.0 - 2391.0	2673.2 - 7842.5	4	Sinclair Unit No. 3 Prov. HZNTL WIW
	B4	01-17-07-28	7535	820.0 - 2487.0	2689.6 - 8157.4	4	Sinclair Unit No. 2 HZNTL WIW
		A01-17-07-28	7536	820.0 - 2332.0	2689.6 - 7649.0	4	Sinclair Unit No. 2 HZNTL WIW
C02-17-01-25		7300	840.0 - 1670.0	2755.2 - 5477.6	3	EOG Waskada HZNTL	
B5	02-20-02-28	7508	850.0 - 1747.0	2788.0 - 5730.2	3	EOG Pierson HZNTL	
	14-20-01-27	7506	850.0 - 1841.0	2788.0 - 6038.5	3	EOG Coulter HZNTL	
	09-27-01-25	7343	840.0 - 1680.0	2755.2 - 5510.4	3	Waskada Unit No. 19 HZNTL WIW	
	12-27-01-25	7290	840.0 - 1704.0	2755.2 - 5589.1	3	Waskada Unit No. 19 HZNTL	
BT	05-18-02-29	8243	980.0 - 1930.0	3214.4 - 6330.4	3	CNRL Pierson HZNTL	
	09-12-02-29	8196	945.0 - 1738.0	3099.6 - 5700.6	3	CNRL Pierson HZNTL	
	15-35-09-29	8313	770.0 - 2261.0	2525.6 - 7416.1	4	Tundra Daly Sinclair HZNTL	
	16-34-08-29	8273	810.0 - 2330.0	2656.8 - 7642.4	4	Sinclair Unit No. 6 Prov. HZNTL	
C1	04-04-02-28	7581	930.0 - 1688.0	3050.4 - 5536.6	2	Molopo Pierson Prov. HZNTL	
	01-35-02-29	7542	900.0 - 1732.0	2952.0 - 5681.0	2	Molopo Pierson HZNTL	
	01-32-01-28	7594	960.0 - 1670.0	3148.8 - 5477.6	2	618555 SK Pierson HZNTL	
	B11-03-01-24	7125	900.0 - 1640.0	2952.0 - 5379.2	2	EOG Waskada HZNTL	
	13-16-01-25	7347	840.0 - 1788.0	2755.2 - 5864.6	3	Waskada Unit No. 18 Prov. HZNTL	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
258	C2	13-15-08-28	7601	1030.0 - 1720.0	3378.4 - 5641.6	2	Antler River Daly Sinclair HZNTL
		A05-21-01-25	7446	840.0 - 1687.0	2755.2 - 5533.4	3	Waskada Unit No. 18 HZNTL
		01-08-09-28	7522	775.0 - 2269.0	2542.0 - 7442.3	6	Black Gold Daly Sinclair HZNTL
	C3	03-02-02-25	7171	700.0 - 1641.0	2296.0 - 5382.5	3	EOG Waskada HZNTL
		09-17-07-28	7514	820.0 - 2317.0	2689.6 - 7599.8	4	Sinclair Unit No. 2 HZNTL WIW
		12-07-09-28	7480	770.0 - 2392.0	2525.6 - 7845.8	4	Tundra et al Daly Sinclair HZNTL
	C4	05-18-07-28	7537	820.0 - 2370.0	2689.6 - 7773.6	4	Sinclair Unit No. 2 HZNTL WIW
		13-07-07-28	7513	825.0 - 2510.0	2706.0 - 8232.8	4	Sinclair Unit No. 2 HZNTL WIW
		15-24-08-29	7410	810.0 - 1788.0	2656.8 - 5864.6	3	Tundra Daly Sinclair Prov. HZNTL
	C5	01-27-02-29	7547	900.0 - 2470.0	2952.0 - 8101.6	4	Molopo Pierson HZNTL
		A16-36-01-26	7553	890.0 - 1813.0	2919.2 - 5946.6	3	Waskada Unit No. 3 HZNTL
		03-34-01-28	7507	850.0 - 1700.0	2788.0 - 5576.0	3	EOG Pierson Prov. HZNTL
		02-11-02-28	7550	850.0 - 1828.0	2788.0 - 5995.8	3	EOG Pierson Prov. HZNTL
	CT	04-17-10-28	8272	735.0 - 2174.0	2410.8 - 7130.7	4	Tundra Daly Sinclair HZNTL
		16-27-08-29	8238	810.0 - 2544.7	2656.8 - 8346.6	4	Sinclair Unit No. 6 HZNTL
		13-24-08-29	7408	780.0 - 2352.0	2558.4 - 7714.6	4	Tundra Daly Sinclair Prov. HZNTL
		16-19-08-28	7407	790.0 - 2450.0	2591.2 - 8036.0	4	Tundra Daly Sinclair HZNTL
259	A1	13-29-09-28	7441	600.0 - 2336.0	1968.0 - 7662.1	5	Enerplus Daly Sinclair Prov. HZNTL
		A05-33-11-26	7400	400.0 - 1630.0	1312.0 - 5346.4	5	North Virden Scallion Unit No. 1 HZNTL
		08-26-09-29	7595	785.0 - 2271.0	2574.8 - 7448.9	4	Tundra Daly Sinclair HZNTL
	A2	01-03-02-26	4460	600.0 - 1567.0	1968.0 - 5139.8	2	Omega Waskada HZNTL
		10-19-01-27	7578	910.0 - 1688.0	2984.8 - 5536.6	2	Molopo Coulter HZNTL
		13-06-02-29	7521	1000.0 - 1769.3	3280.0 - 5803.3	2	Molopo Pierson Prov. HZNTL
		01-03-02-26	4460	600.0 - 1567.0	1968.0 - 5139.8	2	Omega Waskada HZNTL
		03-02-02-28	7656	910.0 - 1681.0	2984.8 - 5513.7	2	Molopo Pierson Prov. HZNTL
		04-04-02-26	7632	1130.0 - 1705.0	3706.4 - 5592.4	2	Waskada Unit No. 15 HZNTL
		08-34-02-29	7600	930.0 - 1564.0	3050.4 - 5129.9	2	Molopo Pierson Prov. HZNTL
		10-32-01-28	7579	930.0 - 1700.0	3050.4 - 5576.0	2	Molopo Pierson HZNTL
	A3	11-34-01-28	7646	950.0 - 1670.0	3116.0 - 5477.6	4	618555 SK Pierson HZNTL
		09-32-01-28	7694	910.0 - 1375.6	2984.8 - 4512.0	2	Molopo Pierson SWD
		09-32-01-28	7694	950.0 - 1030.0	3116.0 - 3378.4	1	Molopo Pierson SWD
		02-21-13-28	7682	180.0 - 725.0	590.4 - 2378.0	3	Fort Calgary East Manson
		10-22-02-29	7439	950.0 - 1849.0	3116.0 - 6064.7	3	Molopo Pierson Prov. HZNTL
		11-10-01-24	7588	900.0 - 1651.0	2952.0 - 5415.3	2	ARC Waskada HZNTL
	A4	15-32-01-29	7447	205.0 - 1082.0	672.4 - 3549.0	4	Molopo Pierson Prov. HZNTL
		A15-26-09-26	7666	135.0 - 760.0	442.8 - 2492.8	3	Ka-Bert Virden
		15-23-07-29	7361	795.0 - 2485.0	2607.6 - 8150.8	7	Fairborne Daly Sinclair HZNTL
		15-32-01-29	7447	205.0 - 1082.0	672.4 - 3549.0	4	Molopo Pierson Prov. HZNTL
	A5	14-02-08-28	7663	780.0 - 2423.0	2558.4 - 7947.4	4	Tundra Daly Sinclair Prov. HZNTL
		08-13-08-29	7625	820.0 - 2499.0	2689.6 - 8196.7	4	Tundra Daly Sinclair HZNTL
08-05-09-29		7671	835.0 - 2343.0	2738.8 - 7685.0	4	Tundra Daly Sinclair HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
259	A5	13-19-01-25	7641	1030.0 - 1568.0	3378.4 - 5143.0	2	Red Beds Waskada HZNTL
	B1	01-26-10-27	7418	670.0 - 2146.0	2197.6 - 7038.9	4	Tundra Virden HZNTL
		13-28-01-25	7463	840.0 - 1656.0	2755.2 - 5431.7	3	EOG Waskada HZNTL
		05-29-08-28	7386	770.0 - 2414.0	2525.6 - 7917.9	4	Tundra Daly Sinclair Prov. HZNTL
		12-31-10-28	7549	735.0 - 2182.0	2410.8 - 7157.0	4	Tundra Daly Sinclair HZNTL
		B2	05-27-01-25	7351	840.0 - 1702.0	2755.2 - 5582.6	3
	04-27-01-25		7349	840.0 - 1710.0	2755.2 - 5608.8	3	Waskada Unit No. 19 HZNTL
	14-02-02-26		7628	1100.0 - 1670.0	3608.0 - 5477.6	2	Surge Waskada Prov. HZNTL
	09-03-02-26		7630	1080.0 - 1700.0	3542.4 - 5576.0	2	Waskada Unit No. 15 HZNTL
	A04-27-01-25		7350	840.0 - 1722.0	2755.2 - 5648.2	3	Waskada Unit No. 19 HZNTL
	B3	11-03-01-24	7123	900.0 - 1642.0	2952.0 - 5385.8	2	EOG Waskada HZNTL
		02-25-01-24	7426	850.0 - 1495.0	2788.0 - 4903.6	2	Penn West Waskada HZNTL
		A11-03-01-24	7124	900.0 - 1630.0	2952.0 - 5346.4	2	EOG Waskada HZNTL
		13-21-01-25	7576	900.0 - 1737.0	2952.0 - 5697.4	3	EOG Waskada HZNTL
		13-21-01-25	7576	900.0 - 1737.0	2952.0 - 5697.4	3	EOG Waskada HZNTL
		11-02-01-24	7331	890.0 - 1664.0	2919.2 - 5457.9	2	EOG Waskada HZNTL
	B4	03-36-02-29	7395	950.0 - 1510.0	3116.0 - 4952.8	3	WestMan Pierson Prov. HZNTL
		03-36-02-29	7395	920.0 - 1030.0	3017.6 - 3378.4	1	WestMan Pierson Prov. HZNTL
		03-36-02-29	7395	920.0 - 1030.0	3017.6 - 3378.4	1	WestMan Pierson Prov. HZNTL
		06-13-01-28	7421	900.0 - 1767.0	2952.0 - 5795.8	3	Molopo South Pierson HZNTL
		03-36-02-29	7395	950.0 - 1510.0	3116.0 - 4952.8	3	WestMan Pierson Prov. HZNTL
	B5	09-08-07-28	7562	830.0 - 2487.0	2722.4 - 8157.4	4	Sinclair Unit No. 2 HZNTL
		A04-08-03-28	5944	900.0 - 1705.0	2952.0 - 5592.4	4	Lodgepole Pierson HZNTL
		A04-08-03-28	5944	900.0 - 1705.0	2952.0 - 5592.4	4	Lodgepole Pierson HZNTL
		A04-19-07-28	7605	815.0 - 2435.0	2673.2 - 7986.8	4	Sinclair Unit No. 2 HZNTL
		05-19-01-25	7640	1000.0 - 1565.5	3280.0 - 5134.8	2	Red Beds Waskada HZNTL
	C1	14-27-01-25	7346	840.0 - 1770.0	2755.2 - 5805.6	3	Waskada Unit No. 19 HZNTL
		12-28-01-25	7462	840.0 - 1634.0	2755.2 - 5359.5	3	EOG Waskada HZNTL
		A03-34-01-25	7328	800.0 - 1754.0	2624.0 - 5753.1	3	Waskada Unit No. 19 HZNTL
		B05-27-01-25	7353	840.0 - 1703.0	2755.2 - 5585.8	3	Waskada Unit No. 19 HZNTL
		07-07-03-28	6006	905.0 - 1900.0	2968.4 - 6232.0	3	Lodgepole Pierson HZNTL
	C2	16-28-02-29	7613	900.0 - 2248.0	2952.0 - 7373.4	3	Molopo Pierson Prov. HZNTL
03-26-02-29		7590	900.0 - 2514.0	2952.0 - 8245.9	4	Molopo Pierson HZNTL	
A05-27-01-25		7352	840.0 - 1727.0	2755.2 - 5664.6	3	Waskada Unit No. 19 HZNTL	
04-28-02-29		7612	900.0 - 2289.0	2952.0 - 7507.9	3	Molopo Pierson Prov. HZNTL	
C3	01-24-01-28	7434	920.0 - 2305.0	3017.6 - 7560.4	4	Molopo Pierson Prov. HZNTL	
	14-36-01-26	7551	900.0 - 1680.0	2952.0 - 5510.4	2	Waskada Unit No. 3 HZNTL	
	14-36-01-26	3146	900.0 - 1680.0	2952.0 - 5510.4	2	Omega Waskada	
	11-23-01-24	7424	850.0 - 1637.0	2788.0 - 5369.4	2	Penn West Waskada HZNTL	
	07-02-01-24	7621	850.0 - 1746.0	2788.0 - 5726.9	3	Penn West Waskada HZNTL	
	10-02-01-24	7622	850.0 - 1724.0	2788.0 - 5654.7	3	Penn West Waskada HZNTL	
C4	04-18-01-25	7639	1000.0 - 1554.5	3280.0 - 5098.8	2	Waskada Unit No. 6 HZNTL	

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259	C4	08-31-07-28	7624	815.0 - 2488.0	2673.2 - 8160.6	4	Tundra Daly Sinclair HZNTL
		13-18-07-29	7359	795.0 - 2530.0	2607.6 - 8298.4	7	Fairborne Daly Sinclair Prov. HZNTL
	C5	12-05-01-24	7128	900.0 - 1683.0	2952.0 - 5520.2	2	EOG Waskada HZNTL
		12-22-05-25	7493	420.0 - 948.0	1377.6 - 3109.4	3	Clampett West Lauder
		04-28-04-25	7509	435.0 - 1031.0	1426.8 - 3381.7	3	Clampett Napinka
		05-05-01-24	6848	900.0 - 1714.0	2952.0 - 5621.9	2	EOG Waskada HZNTL
		B04-08-03-28	5965	915.0 - 1662.0	3001.2 - 5451.4	2	Lodgepole Pierson HZNTL
		A12-21-01-25	7575	900.0 - 1736.0	2952.0 - 5694.1	2	Waskada Unit No. 18 HZNTL
260	A1	08-06-09-28	7524	785.0 - 2287.0	2574.8 - 7501.4	4	Tundra Daly Sinclair Prov. HZNTL
		05-05-16-27	7826	365.0 - 552.0	1197.2 - 1810.6	1	Kinwest 08 Mariner Birdtail
		A16-06-08-28	7644	815.0 - 2474.0	2673.2 - 8114.7	4	Sinclair Unit No. 5 Prov. HZNTL WIW
		08-21-08-28	7497	775.0 - 2436.0	2542.0 - 7990.1	4	Tundra Magellan Daly Sinclair HZNTL
	A2	14-29-16-27	7597	458.0 - 1247.0	1502.2 - 4090.2	3	Tundra Birdtail Prov. HZNTL
		03-31-16-27	7599	470.0 - 1227.0	1541.6 - 4024.6	2	Tundra Birdtail HZNTL
		13-04-11-29	7468	740.0 - 2224.0	2427.2 - 7294.7	4	Tundra South Kirkella HZNTL
		02-18-13-28	7544	585.0 - 1464.0	1918.8 - 4801.9	3	Tundra East Manson Prov. HZNTL
		06-19-16-27	7596	470.0 - 1218.0	1541.6 - 3995.0	2	Tundra Birdtail Prov. HZNTL
		A3	15-15-10-29	7008	750.0 - 2388.0	2460.0 - 7832.6	4
	06-01-01-24		7429	850.0 - 1670.0	2788.0 - 5477.6	3	Penn West Waskada HZNTL
	04-02-01-24		7619	850.0 - 1718.0	2788.0 - 5635.0	3	Penn West Waskada HZNTL
	07-19-02-29		8049	950.0 - 1038.0	3116.0 - 3404.6	1	South Pierson Unit No. 2
	11-01-01-24		7430	850.0 - 1735.0	2788.0 - 5690.8	3	Penn West Waskada HZNTL
	A4		12-20-02-29	7756	1000.0 - 1745.0	3280.0 - 5723.6	3
		07-23-09-29	7396	680.0 - 938.0	2230.4 - 3076.6	2	Paradise Daly Sinclair
		07-23-09-29	7396	680.0 - 938.0	2230.4 - 3076.6	2	Paradise Daly Sinclair
		12-20-02-29	7756	1180.0 - 1738.0	3870.4 - 5700.6	3	CNRL Pierson Prov. HZNTL
		12-20-02-29	7756	1000.0 - 1745.0	3280.0 - 5723.6	3	CNRL Pierson Prov. HZNTL
		02-18-02-29	7611	960.0 - 1688.0	3148.8 - 5536.6	3	CNRL Pierson Prov. HZNTL
		01-25-02-29	7610	900.0 - 1574.0	2952.0 - 5162.7	3	CNRL Pierson HZNTL
		12-20-02-29	7756	1180.0 - 1738.0	3870.4 - 5700.6	3	CNRL Pierson Prov. HZNTL
		A5	01-19-02-24	7720	750.0 - 911.0	2460.0 - 2988.1	3
	04-35-02-29		7751	800.0 - 1686.0	2624.0 - 5530.1	3	WestMan Pierson HZNTL
	04-25-07-29		7518	835.0 - 2345.0	2738.8 - 7691.6	4	Sinclair Unit No. 2 HZNTL WIW
	107C-11-02-29		7681	800.0 - 1698.0	2624.0 - 5569.4	4	WestMan Pierson Prov. HZNTL
	B1	12-29-08-28	7387	760.0 - 2432.0	2492.8 - 7977.0	4	Tundra Daly Sinclair Prov. HZNTL
		16-06-09-28	7526	775.0 - 2250.0	2542.0 - 7380.0	5	Tundra Daly Sinclair HZNTL
		16-31-08-28	7548	780.0 - 2220.0	2558.4 - 7281.6	4	Tundra Daly Sinclair HZNTL
	B2	01-06-11-28	7465	740.0 - 2270.0	2427.2 - 7445.6	4	Tundra Elkhorn HZNTL
		01-06-11-28	7465	740.0 - 2270.0	2427.2 - 7445.6	4	Tundra Elkhorn HZNTL
		01-06-11-28	7465	155.0 - 855.0	508.4 - 2804.4	3	Tundra Elkhorn HZNTL
06-24-13-29		7527	580.0 - 1461.0	1902.4 - 4792.1	3	Tundra Manson Prov. HZNTL	
01-06-11-28		7465	155.0 - 855.0	508.4 - 2804.4	3	Tundra Elkhorn HZNTL	

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260	B2	01-36-10-29	7539	745.0 - 2360.0	2443.6 - 7740.8	4	Tundra Daly Sinclair HZNTL
	B3	03-12-02-26	7651	800.0 - 1658.0	2624.0 - 5438.2	3	Penn West Waskada HZNTL
		05-02-01-24	7620	850.0 - 1711.0	2788.0 - 5612.1	3	Penn West Waskada HZNTL
		04-12-01-24	7623	850.0 - 1618.0	2788.0 - 5307.0	2	Penn West Waskada HZNTL
		08-05-02-25	7727	900.0 - 1641.0	2952.0 - 5382.5	2	Waskada Unit No. 3 HZNTL
		01-30-07-28	7517	835.0 - 2493.0	2738.8 - 8177.0	4	Sinclair Unit No. 2 HZNTL
		B4	01-22-08-28	7661	765.0 - 2406.0	2509.2 - 7891.7	4
	03-20-11-28		8082	650.0 - 1540.0	2132.0 - 5051.2	2	T. Bird et al Elkhorn HZNTL
	16-14-06-28		7370	175.0 - 933.0	574.0 - 3060.2	4	Highrock South Linklater Prov.
	16-10-08-28		7499	770.0 - 2255.0	2525.6 - 7396.4	4	Tundra Daly Sinclair HZNTL
	B5	05-35-07-28	7494	790.0 - 2319.0	2591.2 - 7606.3	7	White North Daly Sinclair HZNTL
		16-19-01-25	7780	800.0 - 1613.0	2624.0 - 5290.6	3	Renegade Waskada HZNTL
		A08-06-08-28	7643	819.0 - 2471.0	2686.3 - 8104.9	4	Sinclair Unit No. 5 Prov. HZNTL WIW
	BT	A09-25-16-28	8735	450.0 - 1150.0	1476.0 - 3772.0	2	Tundra St. Lazare HZNTL
	C1	12-05-03-28	4470	1110.0 - 1623.0	3640.8 - 5323.4	2	Home Cyn-Tech Pierson HZNTL
		12-05-03-28	4470	1110.0 - 1623.0	3640.8 - 5323.4	2	Home Cyn-Tech Pierson HZNTL
		05-01-11-29	7466	750.0 - 2380.0	2460.0 - 7806.4	4	Tundra Elkhorn HZNTL
		13-06-09-28	7525	770.0 - 2277.8	2525.6 - 7471.0	4	Tundra Daly Sinclair HZNTL
		12-05-03-28	4470	1110.0 - 1623.0	3640.8 - 5323.4	2	Home Cyn-Tech Pierson HZNTL
		12-05-03-28	4470	1110.0 - 1623.0	3640.8 - 5323.4	2	Home Cyn-Tech Pierson HZNTL
		A15-16-06-22	5926	625.0 - 1517.0	2050.0 - 4975.8	3	Lodgepole Souris Hartney HZNTL
	C2	01-04-10-29	6975	780.0 - 2272.0	2558.4 - 7452.2	4	Tundra et al Daly Prov. HZNTL
		15-08-02-29	7677	850.0 - 1731.0	2788.0 - 5677.7	4	South Pierson Unit No. 1 HZNTL
		16-04-16-27	7648	490.0 - 1252.0	1607.2 - 4106.6	2	Tundra Birdtail Prov. HZNTL
		A14-30-07-28	8101	815.0 - 899.0	2673.2 - 2948.7	1	Sinclair Unit No. 2 HZNTL
		15-23-02-29	7609	970.0 - 1715.0	3181.6 - 5625.2	3	CNRL Pierson HZNTL
C3	A01-06-08-28	7642	815.0 - 2484.0	2673.2 - 8147.5	5	Sinclair Unit No. 5 Prov. HZNTL WIW	
	08-22-08-28	7662	760.0 - 2393.0	2492.8 - 7849.0	4	Tundra Daly Sinclair HZNTL	
C4	15-06-16-27	8207	137.0 - 564.0	449.4 - 1849.9	2	Kinwest 08 Mariner Birdtail	
	08-10-08-28	7602	775.0 - 2232.0	2542.0 - 7321.0	4	Tundra Daly Sinclair HZNTL	
	09-36-08-28	7749	775.0 - 2357.0	2542.0 - 7731.0	4	Tundra Daly Sinclair HZNTL	
	11-03-08-28	7273	800.0 - 2418.0	2624.0 - 7931.0	4	Tundra Sinclair HZNTL	
C5	04-22-10-29	7785	725.0 - 1565.0	2378.0 - 5133.2	2	Black Gold Daly Sinclair HZNTL	
	13-35-08-28	7766	685.0 - 2364.0	2246.8 - 7753.9	5	Magellan White North Daly Sinclair HZNTL	
	05-23-08-28	7523	750.0 - 2410.0	2460.0 - 7904.8	7	White North Daly Sinclair HZNTL	
c3	01-33-07-28	7364	820.0 - 2300.0	2689.6 - 7544.0	4	Tundra Daly Sinclair HZNTL	
261	A1	05-08-02-24	7821	810.0 - 2306.0	2656.8 - 7563.7	3	Petrobakken Goodlands HZNTL
		05-28-01-25	7458	850.0 - 1645.0	2788.0 - 5395.6	3	EOG Waskada Prov. HZNTL
		13-30-07-29	7360	800.0 - 2564.0	2624.0 - 8409.9	4	Fairborne Daly Sinclair Prov. HZNTL
		05-09-01-25	7791	850.0 - 1683.0	2788.0 - 5520.2	3	EOG Waskada HZNTL
	A2	A06-08-01-24	7769	850.0 - 1655.0	2788.0 - 5428.4	3	EOG Waskada HZNTL

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261	A2	12-34-10-27	7419	660.0 - 2127.0	2164.8 - 6976.6	4	Tundra Virden HZNTL
		04-28-10-27	7498	685.0 - 2327.0	2246.8 - 7632.6	4	Tundra Virden HZNTL
		A01-17-01-24	7327	850.0 - 1598.0	2788.0 - 5241.4	3	EOG Waskada HZNTL
	A3	08-12-02-26	7652	900.0 - 1740.0	2952.0 - 5707.2	2	Penn West Waskada HZNTL
		01-17-01-24	7326	880.0 - 1620.0	2886.4 - 5313.6	3	EOG Waskada HZNTL
		13-10-09-28	7528	700.0 - 2446.0	2296.0 - 8022.9	7	Magellan et al Daly Sinclair Prov. HZNTL
		08-26-08-29	7668	820.0 - 2272.0	2689.6 - 7452.2	4	Tundra Daly Sinclair HZNTL
	A4	02-28-11-26	7399	325.0 - 1640.0	1066.0 - 5379.2	5	North Virden Scallion Unit No. 1 HZNTL
		08-20-10-25	7657	325.0 - 1292.0	1066.0 - 4237.8	7	Virden Roselea Unit No. 1 HZNTL
		02-28-11-26	7399	790.0 - 1610.0	2591.2 - 5280.8	2	North Virden Scallion Unit No. 1 HZNTL
		02-28-11-26	7399	325.0 - 1640.0	1066.0 - 5379.2	5	North Virden Scallion Unit No. 1 HZNTL
		08-20-10-25	7657	325.0 - 1292.0	1066.0 - 4237.8	7	Virden Roselea Unit No. 1 HZNTL
		02-28-11-26	7399	790.0 - 1610.0	2591.2 - 5280.8	2	North Virden Scallion Unit No. 1 HZNTL
	A5	08-31-07-29	7638	1170.0 - 1750.0	3837.6 - 5740.0	2	Relative Daly Sinclair HZNTL
		08-31-07-29	7638	1170.0 - 1750.0	3837.6 - 5740.0	2	Relative Daly Sinclair HZNTL
		08-31-07-29	7638	1170.0 - 1750.0	3837.6 - 5740.0	2	Relative Daly Sinclair HZNTL
		04-11-09-28	7529	985.0 - 2248.0	3230.8 - 7373.4	6	Magellan et al Daly Sinclair Prov. HZNTL
		04-12-08-28	7320	780.0 - 2249.0	2558.4 - 7376.7	6	White North Sinclair HZNTL
	B1	04-25-11-27	7819	580.0 - 1988.0	1902.4 - 6520.6	5	Tundra Virden HZNTL
		04-25-11-27	7819	580.0 - 1988.0	1902.4 - 6520.6	5	Tundra Virden HZNTL
		A08-16-01-25	7568	840.0 - 1643.0	2755.2 - 5389.0	3	EOG Waskada HZNTL
		B08-16-01-25	7569	840.0 - 1670.0	2755.2 - 5477.6	3	EOG Waskada HZNTL
		08-16-01-25	7567	850.0 - 1646.0	2788.0 - 5398.9	2	EOG Waskada HZNTL
	B2	02-29-13-28	7653	135.0 - 709.0	442.8 - 2325.5	3	Fort Calgary East Manson Prov.
		08-28-08-28	7385	770.0 - 2251.0	2525.6 - 7383.3	4	Tundra Daly Sinclair HZNTL
		04-17-01-24	7773	850.0 - 1628.0	2788.0 - 5339.8	3	EOG Waskada HZNTL
05-02-09-29		7626	795.0 - 2441.0	2607.6 - 8006.5	4	Tundra Daly Sinclair Prov. HZNTL	
B3	12-04-09-29	7670	810.0 - 2464.0	2656.8 - 8081.9	4	Tundra et al Daly Sinclair Prov. HZNTL	
	13-07-09-29	7765	825.0 - 2465.0	2706.0 - 8085.2	4	Tundra Daly Sinclair HZNTL	
	16-08-09-29	7697	825.0 - 2326.0	2706.0 - 7629.3	4	Tundra Daly Sinclair HZNTL	
	01-05-02-25	7706	880.0 - 1620.0	2886.4 - 5313.6	2	Waskada Unit No. 3 HZNTL	
B4	05-11-10-28	7564	550.0 - 2274.0	1804.0 - 7458.7	5	Enerplus Daly Sinclair Prov. HZNTL	
	11-10-11-26	7440	545.0 - 1883.0	1787.6 - 6176.2	6	North Virden Scallion Unit No. 1 HZNTL	
	15-20-13-28	7709	140.0 - 715.0	459.2 - 2345.2	3	Fort Calgary East Manson Prov.	
B5	11-35-01-26	4505	815.0 - 1824.0	2673.2 - 5982.7	3	Omega Waskada HZNTL	
	11-35-01-26	4505	815.0 - 1824.0	2673.2 - 5982.7	3	Omega Waskada HZNTL	
	11-35-01-26	4505	815.0 - 1824.0	2673.2 - 5982.7	3	Omega Waskada HZNTL	
	16-04-03-21	7711	750.0 - 1881.0	2460.0 - 6169.7	8	Tundra Whitewater HZNTL	
	16-04-03-21	7711	750.0 - 1881.0	2460.0 - 6169.7	8	Tundra Whitewater HZNTL	
	16-04-03-21	7711	750.0 - 1881.0	2460.0 - 6169.7	8	Tundra Whitewater HZNTL	
	05-20-09-28	7760	705.0 - 1574.0	2312.4 - 5162.7	3	Black Gold Daly Sinclair HZNTL	
C1	A05-28-01-25	7459	850.0 - 1678.0	2788.0 - 5503.8	3	EOG Waskada Prov. HZNTL	

## Non Confidential Sample Cuttings by Section / Row

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
261	C1	B02-17-01-25	7299	850.0 - 1626.0	2788.0 - 5333.3	3	EOG Waskada HZNTL
		B13-21-01-25	7674	850.0 - 1658.0	2788.0 - 5438.2	3	EOG Waskada Prov. HZNTL
		12-32-07-28	7363	815.0 - 2458.0	2673.2 - 8062.2	4	Tundra Daly Sinclair Prov. HZNTL
	C2	16-33-01-28	8215	935.0 - 1049.0	3066.8 - 3440.7	1	618555 Lyleton SWD
		04-20-08-28	7504	700.0 - 2421.0	2296.0 - 7940.9	5	Zargon Daly Sinclair Prov. HZNTL
		05-20-08-28	7755	700.0 - 2420.0	2296.0 - 7937.6	5	Zargon Daly Sinclair Prov. HZNTL
		16-33-01-28	8215	935.0 - 1049.0	3066.8 - 3440.7	1	618555 Lyleton SWD
		09-01-02-26	7512	885.0 - 1802.0	2902.8 - 5910.6	3	Waskada Unit No. 13 HZNTL
	C3	07-07-16-27	8337	141.0 - 546.0	462.5 - 1790.9	2	Kinwest 08 Mariner Birdtail
		01-25-10-28	7543	715.0 - 2337.0	2345.2 - 7665.4	4	Tundra Daly Sinclair HZNTL
		08-03-11-28	7467	140.0 - 878.0	459.2 - 2879.8	4	Tundra Elkhorn HZNTL
		08-03-11-28	7467	140.0 - 878.0	459.2 - 2879.8	4	Tundra Elkhorn HZNTL
		08-03-11-28	7467	730.0 - 2135.0	2394.4 - 7002.8	4	Tundra Elkhorn HZNTL
		08-03-11-28	7467	730.0 - 2135.0	2394.4 - 7002.8	4	Tundra Elkhorn HZNTL
	C4	12-08-02-24	7371	800.0 - 2329.0	2624.0 - 7639.1	7	Petrobakken Goodlands HZNTL
		12-04-02-24	7805	850.0 - 2378.0	2788.0 - 7799.8	6	Petrobakken Goodlands Prov. HZNTL
	C5	08-13-02-29	7767	950.0 - 2363.0	3116.0 - 7750.6	3	Red Beds Pierson HZNTL
		07-12-01-26	7647	1060.0 - 1838.0	3476.8 - 6028.6	2	Waskada Unit No. 6 HZNTL
		B16-08-01-24	7161	850.0 - 1657.0	2788.0 - 5435.0	3	EOG Waskada HZNTL
		15B-01-01-26	7685	1060.0 - 1610.0	3476.8 - 5280.8	2	Waskada Unit No. 6 HZNTL
06-19-02-28		7752	950.0 - 2071.0	3116.0 - 6792.9	3	Red Beds Pierson HZNTL	
262	A1	03-28-01-27	8819	1030.0 - 1859.0	3378.4 - 6097.5	3	EOG Coulter Prov. HZNTL
		05-21-01-25	7445	840.0 - 1702.0	2755.2 - 5582.6	3	Waskada Unit No. 18 HZNTL
		A04-21-01-25	7444	840.0 - 1704.0	2755.2 - 5589.1	3	Waskada Unit No. 18 HZNTL
		A16-29-10-28	9191	700.0 - 2343.0	2296.0 - 7685.0	4	Tundra Daly Sinclair Prov. HZNTL
		09-08-17-26	9127	160.0 - 580.0	524.8 - 1902.4	2	Tundra Birdtail
		01-34-14-27	9019	150.0 - 606.0	492.0 - 1987.7	2	Tundra Birdtail
		04-34-01-29	7939	850.0 - 2500.0	2788.0 - 8200.0	5	618555 SK Pierson HZNTL
		06-15-02-28	9028	1040.0 - 1370.0	3411.2 - 4493.6	2	EOG Pierson HZNTL
		A03-28-01-27	8820	1010.0 - 1800.0	3312.8 - 5904.0	2	EOG Coulter Prov. HZNTL
		12-35-01-28	8917	1000.0 - 1840.0	3280.0 - 6035.2	2	EOG Pierson HZNTL
	A2	08-10-02-28	8840	990.0 - 1752.0	3247.2 - 5746.6	2	EOG Pierson HZNTL
		12-28-07-29	8720	885.0 - 2457.0	2902.8 - 8059.0	4	Sinclair Unit No. 8 HZNTL
		03-09-11-28	9008	750.0 - 2379.0	2460.0 - 7803.1	7	CPEC Elkhorn HZNTL
		01-15-01-25	7714	850.0 - 1768.0	2788.0 - 5799.0	3	EOG Waskada HZNTL
		15-17-13-28	7857	530.0 - 1385.0	1738.4 - 4542.8	2	Reliable East Manson HZNTL
		08-15-01-25	7718	850.0 - 1751.0	2788.0 - 5743.3	3	EOG Waskada HZNTL
		A05-15-01-25	7716	850.0 - 1750.0	2788.0 - 5740.0	3	EOG Waskada HZNTL
	A16-08-09-28	8971	630.0 - 2166.0	2066.4 - 7104.5	4	Tundra Daly Sinclair HZNTL	
	A3	13-20-07-29	8956	1075.0 - 2508.0	3526.0 - 8226.2	6	Red River Daly Sinclair HZNTL
		04-26-08-28	7904	960.0 - 2384.0	3148.8 - 7819.5	6	Magellan Border Daly Sinclair HZNTL
04-08-02-29		6481	1100.0 - 1226.3	3608.0 - 4022.3	1	CNRL Pierson Prov. DIR	

**Non Confidential Sample Cuttings**  
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**Section / Row**

**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
262	A3	09-08-09-29	7887	825.0 - 2320.0	2706.0 - 7609.6	4	Tundra Daly Sinclair HZNTL
		02-05-01-24	8752	925.0 - 1687.0	3034.0 - 5533.4	2	EOG Waskada HZNTL
		A09-11-08-28	8933	830.0 - 2299.0	2722.4 - 7540.7	4	Tundra Daly Sinclair Prov. HZNTL
		A03-05-01-24	8753	915.0 - 1851.0	3001.2 - 6071.3	3	EOG Waskada HZNTL
		13-04-02-25	9031	910.0 - 1792.0	2984.8 - 5877.8	2	Waskada Unit No. 16 Prov. HZNTL
	A4	16-18-06-29	7822	885.0 - 2405.0	2902.8 - 7888.4	4	Fairborne Tilston Prov. HZNTL
		A11-25-01-28	9158	990.0 - 1742.0	3247.2 - 5713.8	2	EOG Pierson HZNTL
		02-17-16-27	9349	475.0 - 1470.0	1558.0 - 4821.6	5	Kinwest 08 Mariner Birdtail HZNTL
		02-17-16-27	9349	475.0 - 1470.0	1558.0 - 4821.6	5	Kinwest 08 Mariner Birdtail HZNTL
		02-17-16-27	9349	700.0 - 1195.0	2296.0 - 3919.6	2	Kinwest 08 Mariner Birdtail HZNTL
		02-17-16-27	9349	700.0 - 1195.0	2296.0 - 3919.6	2	Kinwest 08 Mariner Birdtail HZNTL
		07-11-08-28	7684	800.0 - 1728.0	2624.0 - 5667.8	4	White North Daly Sinclair HZNTL
		05-30-06-29	7815	880.0 - 2218.0	2886.4 - 7275.0	3	Fairborne Tilston Prov. HZNTL
		03-08-16-27	9326	470.0 - 1360.0	1541.6 - 4460.8	4	Kinwest 08 Mariner Birdtail HZNTL
		11-25-01-28	8658	1060.0 - 1804.0	3476.8 - 5917.1	3	EOG Pierson HZNTL
	A16-19-16-27	9240	500.0 - 1225.0	1640.0 - 4018.0	4	Kinwest 08 Mariner Birdtail HZNTL	
	A5	A09-03-01-24	7703	850.0 - 1686.0	2788.0 - 5530.1	3	EOG Waskada HZNTL
		13-21-02-28	7614	930.0 - 2442.0	3050.4 - 8009.8	4	Molopo Pierson HZNTL
		09-10-10-29	7725	785.0 - 2413.0	2574.8 - 7914.6	4	Tundra Daly Sinclair HZNTL
	A6	04-10-01-24	7712	850.0 - 2071.0	2788.0 - 6792.9	3	ARC Waskada HZNTL
		16-04-09-28	7437	745.0 - 2409.0	2443.6 - 7901.5	4	Tundra Daly Sinclair Prov. HZNTL
		09-33-07-28	7391	820.0 - 2300.0	2689.6 - 7544.0	4	Tundra Daly Sinclair HZNTL
	A7	A02-28-01-25	7577	850.0 - 1683.0	2788.0 - 5520.2	3	EOG Waskada HZNTL
		A04-28-01-25	7676	850.0 - 1660.0	2788.0 - 5444.8	3	EOG Waskada Prov. HZNTL
		A02-17-01-25	7298	850.0 - 1644.0	2788.0 - 5392.3	3	EOG Waskada HZNTL
		09-34-07-28	7367	810.0 - 2455.0	2656.8 - 8052.4	4	Tundra Daly Sinclair Prov. HZNTL
B1	03-09-11-29	7722	700.0 - 2360.0	2296.0 - 7740.8	4	T. Bird South Kirkella HZNTL	
	08-10-10-29	8911	750.0 - 2432.0	2460.0 - 7977.0	4	Tundra Daly Sinclair Prov. HZNTL	
	07-33-10-28	8996	720.0 - 1955.0	2361.6 - 6412.4	3	Tundra Daly Sinclair HZNTL	
	10-08-13-28	8787	580.0 - 1383.0	1902.4 - 4536.2	3	Tundra East Manson HZNTL	
	A12-26-10-29	8808	800.0 - 1220.0	2624.0 - 4001.6	3	Tundra Daly Sinclair HZNTL	
	08-02-08-28	7811	800.0 - 2419.0	2624.0 - 7934.3	4	Tundra Daly Sinclair HZNTL	
	03-13-11-29	7858	700.0 - 2157.0	2296.0 - 7075.0	3	T. Bird et al South Kirkella HZNTL	
	12-09-09-29	8968	750.0 - 2317.0	2460.0 - 7599.8	4	Tundra Daly Sinclair HZNTL	
B2	A08-15-01-25	7719	850.0 - 1759.0	2788.0 - 5769.5	3	EOG Waskada HZNTL	
	B05-15-01-25	7717	850.0 - 1757.0	2788.0 - 5763.0	3	EOG Waskada HZNTL	
	12-15-07-29	8949	850.0 - 2540.0	2788.0 - 8331.2	7	Red River Daly Sinclair HZNTL	
	05-15-01-25	7715	850.0 - 1659.0	2788.0 - 5441.5	3	EOG Waskada HZNTL	
	06-12-01-25	7890	900.0 - 1661.0	2952.0 - 5448.1	2	Penn West Waskada HZNTL	
	08-28-10-28	8876	730.0 - 2193.0	2394.4 - 7193.0	6	CPEC Daly Sinclair HZNTL	
	05-33-07-29	8733	885.0 - 2540.0	2902.8 - 8331.2	4	Sinclair Unit No. 8 HZNTL	
B3	05-03-13-28	9227	590.0 - 743.0	1935.2 - 2437.0	1	CPEC East Manson	



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**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
262	B3	16-22-11-28	9009	710.0 - 2338.0	2328.8 - 7668.6	7	CPEC Elkhorn HZNTL
		A01-03-01-24	7699	850.0 - 1670.0	2788.0 - 5477.6	3	EOG Waskada HZNTL
		15-09-14-29	7841	135.0 - 715.0	442.8 - 2345.2	3	Fort Calgary South McAuley
		A05-06-01-24	8772	920.0 - 1645.0	3017.6 - 5395.6	2	EOG Waskada HZNTL
		13-07-02-29	8291	975.0 - 1703.0	3198.0 - 5585.8	2	CNRL Pierson HZNTL
		03-33-10-28	9016	770.0 - 2403.0	2525.6 - 7881.8	4	Petrobakken Daly Sinclair HZNTL
		03-33-10-28	9016	770.0 - 2403.0	2525.6 - 7881.8	4	Petrobakken Daly Sinclair HZNTL
		03-33-10-28	9016	670.0 - 1200.0	2197.6 - 3936.0	3	Petrobakken Daly Sinclair HZNTL
		03-33-10-28	9016	670.0 - 1200.0	2197.6 - 3936.0	3	Petrobakken Daly Sinclair HZNTL
	11-04-14-28	7820	135.0 - 666.0	442.8 - 2184.5	3	Fort Calgary Willen Prov.	
	B4	07-24-09-28	7834	950.0 - 2367.0	3116.0 - 7763.8	7	Magellan et al Daly Sinclair Prov. HZNTL
		C15-34-01-28	8995	1000.0 - 1765.0	3280.0 - 5789.2	2	EOG Pierson HZNTL
		11-08-02-28	8407	980.0 - 1895.0	3214.4 - 6215.6	3	EOG Pierson HZNTL
		A15-34-01-28	8993	980.0 - 1737.0	3214.4 - 5697.4	2	EOG Pierson HZNTL
		B05-17-02-28	9157	1030.0 - 1886.0	3378.4 - 6186.1	3	EOG Pierson HZNTL
		10-34-01-28	9004	980.0 - 1798.0	3214.4 - 5897.4	2	EOG Pierson HZNTL
		A05-17-02-28	9156	1000.0 - 1956.0	3280.0 - 6415.7	3	EOG Pierson HZNTL
		B15-34-01-28	8994	990.0 - 1738.0	3247.2 - 5700.6	2	EOG Pierson HZNTL
		01-01-07-29	7844	850.0 - 2433.0	2788.0 - 7980.2	4	Fairborne Daly Sinclair HZNTL
	B5	03-12-11-29	7469	745.0 - 2106.0	2443.6 - 6907.7	4	Tundra South Kirkella HZNTL
		B08-03-01-24	7701	850.0 - 1720.0	2788.0 - 5641.6	3	EOG Waskada HZNTL
		12-19-07-28	7516	810.0 - 2418.0	2656.8 - 7931.0	4	Sinclair Unit No. 2 HZNTL WIW
	B6	16-14-02-29	7696	140.0 - 1065.0	459.2 - 3493.2	4	Red Beds Pierson HZNTL
		09-34-10-29	7748	765.0 - 2232.0	2509.2 - 7321.0	4	Tundra Daly Sinclair Prov. HZNTL
		16-14-02-29	7696	140.0 - 1065.0	459.2 - 3493.2	4	Red Beds Pierson HZNTL
		B09-03-01-24	7704	850.0 - 1708.5	2788.0 - 5603.9	3	EOG Waskada HZNTL
	B7	09-16-07-28	7565	1100.0 - 1668.0	3608.0 - 5471.0	3	Antler River Daly Sinclair HZNTL
		09-16-07-28	7565	1100.0 - 1668.0	3608.0 - 5471.0	3	Antler River Daly Sinclair HZNTL
		A14-02-01-24	7689	850.0 - 1660.0	2788.0 - 5444.8	3	EOG Waskada HZNTL
14-02-01-24		7688	850.0 - 1670.0	2788.0 - 5477.6	3	EOG Waskada HZNTL	
13-05-08-28		7285	800.0 - 2449.0	2624.0 - 8032.7	4	Tundra Sinclair HZNTL	
C1	16-11-02-29	8957	1000.0 - 1746.0	3280.0 - 5726.9	3	CNRL Pierson Prov. HZNTL	
	16-23-10-29	9018	700.0 - 2217.0	2296.0 - 7271.8	4	Tundra et al Daly Sinclair HZNTL	
	A01-25-10-29	7896	745.0 - 2341.0	2443.6 - 7678.5	4	Tundra Daly Sinclair HZNTL	
	04-28-11-29	9056	725.0 - 2339.0	2378.0 - 7671.9	4	T. Bird South Kirkella Prov. HZNTL	
	13-19-09-28	7932	140.0 - 2366.0	459.2 - 7760.5	7	Tundra Daly Sinclair HZNTL	
	10-17-02-29	8997	1040.0 - 1923.0	3411.2 - 6307.4	4	South Pierson Unit No. 1 HZNTL	
	15-06-02-28	8001	1025.0 - 1696.0	3362.0 - 5562.9	2	EOG Pierson HZNTL	
C2	05-02-09-28	8904	730.0 - 2217.0	2394.4 - 7271.8	4	Tundra Daly Sinclair HZNTL	
	13-20-12-27	8989	130.0 - 705.0	426.4 - 2312.4	3	Interwest North Hargrave	
	16-21-11-29	7036	380.0 - 870.0	1246.4 - 2853.6	2	T. Bird et al South Kirkella	
	09-03-01-24	7702	850.0 - 1681.0	2788.0 - 5513.7	3	EOG Waskada HZNTL	

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**Section / Row**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
262	C2	04-28-01-25	7675	850.0 - 1643.0	2788.0 - 5389.0	3	EOG Waskada Prov. HZNTL
		04-33-07-29	8741	885.0 - 2445.0	2902.8 - 8019.6	4	Sinclair Unit No. 8 HZNTL
		14-23-11-29	7859	700.0 - 2100.0	2296.0 - 6888.0	3	T. Bird et al South Kirkella HZNTL
		10-36-14-27	9021	150.0 - 614.0	492.0 - 2013.9	2	Tundra Birdtail STH
		08-07-10-28	8888	745.0 - 2356.0	2443.6 - 7727.7	4	Tundra Daly Sinclair HZNTL
C3	02-01-04-22	9065	700.0 - 2102.0	2296.0 - 6894.6	6	Tundra Regent Prov. HZNTL	
		9057	710.0 - 2245.0	2328.8 - 7363.6	4	Tundra Regent HZNTL	
	C09-03-01-24	7705	850.0 - 1767.0	2788.0 - 5795.8	3	EOG Waskada HZNTL	
		7698	850.0 - 1684.0	2788.0 - 5523.5	3	EOG Waskada HZNTL	
	05-09-02-24	9027	850.0 - 1710.0	2788.0 - 5608.8	3	Red Beds Goodlands HZNTL	
		9065	700.0 - 2102.0	2296.0 - 6894.6	6	Tundra Regent Prov. HZNTL	
	A04-18-02-24	8740	850.0 - 1547.0	2788.0 - 5074.2	2	Red Beds Goodlands Prov. HZNTL	
	A08-03-01-24	7700	850.0 - 1670.0	2788.0 - 5477.6	3	EOG Waskada HZNTL	
	04-18-02-24	8739	850.0 - 1563.0	2788.0 - 5126.6	2	Red Beds Goodlands Prov. HZNTL	
		9057	710.0 - 2245.0	2328.8 - 7363.6	4	Tundra Regent HZNTL	
01-07-02-29	8339	970.0 - 1718.0	3181.6 - 5635.0	2	CNRL Pierson HZNTL		
C4	05-23-02-29	7079	925.0 - 1045.0	3034.0 - 3427.6	1	CNRL Pierson	
		8000	1020.0 - 1657.0	3345.6 - 5435.0	2	EOG Pierson HZNTL	
	05-15-07-29	8948	850.0 - 2510.0	2788.0 - 8232.8	7	Red River Daly Sinclair HZNTL	
		8946	1020.0 - 1775.0	3345.6 - 5822.0	2	EOG Pierson HZNTL	
	03-12-09-28	7792	1025.0 - 2389.0	3362.0 - 7835.9	6	Magellan et al Daly Sinclair Prov. HZNTL	
		7902	795.0 - 2430.0	2607.6 - 7970.4	4	Tundra Daly Sinclair Prov. HZNTL	
	05-23-02-29	7079	925.0 - 1045.0	3034.0 - 3427.6	1	CNRL Pierson	
		B10-34-01-28	9006	985.0 - 1802.0	3230.8 - 5910.6	2	EOG Pierson HZNTL
	11-12-02-29	9013	1010.0 - 1726.0	3312.8 - 5661.3	2	EOG Pierson Prov. HZNTL	
	A10-34-01-28	9005	980.0 - 1789.0	3214.4 - 5867.9	2	EOG Pierson HZNTL	
C5	14-26-01-28	7806	580.0 - 1674.0	1902.4 - 5490.7	5	Atikwa Pierson HZNTL	
		7827	140.0 - 698.0	459.2 - 2289.4	3	Fort Calgary Willen Prov.	
		7898	140.0 - 730.0	459.2 - 2394.4	3	Fort Calgary Manson Prov.	
C6	09-03-09-29	7627	810.0 - 2311.0	2656.8 - 7580.1	4	Tundra Daly Sinclair HZNTL	
		7738	960.0 - 1855.0	3148.8 - 6084.4	3	Waskada Unit No. 2 HZNTL	
		7669	820.0 - 2261.0	2689.6 - 7416.1	4	Tundra Daly Sinclair Prov. HZNTL	
C7	14-22-01-28	7667	950.0 - 1711.0	3116.0 - 5612.1	2	Molopo Pierson Prov. HZNTL	
		A11-02-01-24	7686	850.0 - 1683.0	2788.0 - 5520.2	3	EOG Waskada HZNTL
		B14-02-01-24	7690	850.0 - 1597.0	2788.0 - 5238.2	2	EOG Waskada HZNTL
		09-17-01-24	7774	850.0 - 1636.0	2788.0 - 5366.1	3	EOG Waskada HZNTL
		B11-02-01-24	7687	850.0 - 1667.0	2788.0 - 5467.8	3	EOG Waskada HZNTL
D1	06-28-01-27	8826	1010.0 - 1811.0	3312.8 - 5940.1	4	EOG Coulter Prov. HZNTL	
		8647	980.0 - 1676.0	3214.4 - 5497.3	2	EOG Pierson Prov. HZNTL	
	A03-34-01-28	8894	980.0 - 1710.0	3214.4 - 5608.8	2	EOG Pierson Prov. HZNTL	
	06-16-02-28	8857	980.0 - 1670.0	3214.4 - 5477.6	2	EOG Pierson HZNTL	
		B10-26-01-28	8771	980.0 - 1676.0	3214.4 - 5497.3	2	EOG Pierson Prov. HZNTL

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name	
262	D1	12-15-11-29	9051	820.0 - 1026.0	2689.6 - 3365.3	1	CPEC South Kirkella DIR	
		A10-26-01-28	8770	980.0 - 1674.0	3214.4 - 5490.7	2	EOG Pierson Prov. HZNTL	
		16-33-01-28	8023	1040.0 - 1754.0	3411.2 - 5753.1	2	EOG Pierson HZNTL	
	D2	01-33-01-28	9014	1020.0 - 1763.0	3345.6 - 5782.6	2	EOG Pierson HZNTL	
		01-26-09-28	8905	700.0 - 2208.0	2296.0 - 7242.2	4	Tundra Daly Sinclair HZNTL	
		15-31-12-27	8990	135.0 - 690.0	442.8 - 2263.2	3	Interwest North Hargrave	
		13-15-09-28	8907	700.0 - 2366.0	2296.0 - 7760.5	4	Tundra Daly Sinclair HZNTL	
		04-15-09-28	8931	720.0 - 2368.0	2361.6 - 7767.0	4	Tundra Daly Sinclair HZNTL	
	D3	06-12-01-26	8950	850.0 - 2373.0	2788.0 - 7783.4	4	Waskada Unit No. 6 Prov. HZNTL	
		10-12-01-26	8939	850.0 - 1897.0	2788.0 - 6222.2	3	Waskada Unit No. 6 HZNTL	
		16-31-16-27	9093	490.0 - 2065.0	1607.2 - 6773.2	4	Tundra Birdtail HZNTL	
		16-31-16-27	9093	700.0 - 1155.0	2296.0 - 3788.4	1	Tundra Birdtail HZNTL	
		A16-12-01-26	8966	850.0 - 2122.0	2788.0 - 6960.2	3	Waskada Unit No. 6 HZNTL	
		A10-01-01-26	8938	850.0 - 1916.0	2788.0 - 6284.5	3	Waskada Unit No. 6 HZNTL	
	D4	A16-30-07-29	9183	900.0 - 2540.0	2952.0 - 8331.2	7	Red River Daly Sinclair Prov. HZNTL	
		12-18-07-29	8912	800.0 - 2619.0	2624.0 - 8590.3	8	Red River Daly Sinclair Prov. HZNTL	
		B06-28-01-27	8828	1050.0 - 1876.0	3444.0 - 6153.3	2	EOG Coulter Prov. HZNTL	
263	A 3	09-36-10-29	8965	725.0 - 2363.0	2378.0 - 7750.6	4	Tundra Daly Sinclair HZNTL	
	A1	08-31-12-27	9487	575.0 - 2197.0	1886.0 - 7206.2	7	CPEC North Hargrave HZNTL	
		08-26-09-28	8955	675.0 - 2189.0	2214.0 - 7179.9	4	Tundra Daly Sinclair HZNTL	
		A04-18-08-28	9212	850.0 - 2330.0	2788.0 - 7642.4	4	Tundra Daly Sinclair Prov. HZNTL	
	A2	A01-04-10-29	9389	850.0 - 2168.0	2788.0 - 7111.0	3	Tundra Daly Sinclair Prov. HZNTL	
		15-18-07-29	9111	475.0 - 1165.0	1558.0 - 3821.2	3	Red River Daly Sinclair Prov.	
		15-18-07-29	9111	475.0 - 1165.0	1558.0 - 3821.2	3	Red River Daly Sinclair Prov.	
		14-10-09-28	9314	650.0 - 1875.0	2132.0 - 6150.0	4	Corex Daly Sinclair Prov. HZNTL	
		A13-04-09-29	9445	865.0 - 2198.0	2837.2 - 7209.4	3	Tundra Daly Sinclair Prov. HZNTL	
	A3	04-16-09-29	9379	850.0 - 2328.0	2788.0 - 7635.8	4	Tundra Daly Sinclair HZNTL	
		01-05-07-28	9072	845.0 - 2512.5	2771.6 - 8241.0	4	Tundra Daly Sinclair HZNTL	
		B03-34-01-28	8895	1010.0 - 1731.0	3312.8 - 5677.7	2	EOG Pierson Prov. HZNTL	
		08-09-08-28	9066	790.0 - 2292.0	2591.2 - 7517.8	4	Ewart Unit No. 1 HZNTL	
		16-35-13-28	8988	135.0 - 655.0	442.8 - 2148.4	3	Fort Calgary Manson	
		A4	09-06-12-28	9052	695.0 - 843.0	2279.6 - 2765.0	1	CPEC Elkhorn HZNTL
			11-15-02-28	9029	980.0 - 1662.0	3214.4 - 5451.4	2	EOG Pierson HZNTL
	01-16-11-29		8921	650.0 - 2186.0	2132.0 - 7170.1	4	T. Bird et al South Kirkella HZNTL	
	A06-34-01-28		8898	990.0 - 1690.0	3247.2 - 5543.2	2	EOG Pierson Prov. HZNTL	
	01-21-11-29		8987	660.0 - 2352.0	2164.8 - 7714.6	4	T. Bird South Kirkella HZNTL	
B06-34-01-28	8899		1030.0 - 1722.0	3378.4 - 5648.2	2	EOG Pierson Prov. HZNTL		
B1	A15-26-01-28	8648	990.0 - 1531.0	3247.2 - 5021.7	2	EOG Pierson Prov. HZNTL		
	05-22-09-28	9088	700.0 - 2359.0	2296.0 - 7737.5	4	Tundra Daly Sinclair HZNTL		
	A01-19-11-26	9074	570.0 - 1887.0	1869.6 - 6189.4	4	Tundra Virden HZNTL		
A01-19-11-26	9074	570.0 - 1887.0	1869.6 - 6189.4	4	Tundra Virden HZNTL			

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
263	B1	03-03-13-28	9348	590.0 - 2143.0	1935.2 - 7029.0	7	CPEC East Manson HZNTL
	B2	07-21-01-27	9481	825.0 - 1667.0	2706.0 - 5467.8	3	Melita Pierson HZNTL
		A11-17-02-28	9454	850.0 - 1689.0	2788.0 - 5539.9	3	Melita Pierson HZNTL
		A10-17-02-28	9457	850.0 - 1665.0	2788.0 - 5461.2	3	Melita Pierson HZNTL
		05-07-02-29	9474	900.0 - 1676.0	2952.0 - 5497.3	3	Melita Pierson HZNTL
		04-24-09-28	9404	685.0 - 2349.0	2246.8 - 7704.7	5	Corex Daly Sinclair HZNTL
	B3	16-13-09-29	8929	870.0 - 2339.0	2853.6 - 7671.9	4	Tundra Daly Sinclair HZNTL
		07-04-13-28	9405	605.0 - 1408.0	1984.4 - 4618.2	4	CPEC East Manson HZNTL
		14-24-10-29	8953	700.0 - 1660.0	2296.0 - 5444.8	3	Tundra Daly Sinclair HZNTL
		01-10-10-29	9064	700.0 - 2415.0	2296.0 - 7921.2	5	Tundra Daly Sinclair Prov. HZNTL
	B4	09-23-10-29	9007	700.0 - 2224.0	2296.0 - 7294.7	4	Tundra et al Daly Sinclair HZNTL
		10-09-02-28	8925	990.0 - 1709.0	3247.2 - 5605.5	2	EOG Pierson HZNTL
		06-32-17-28	8692	450.0 - 1226.0	1476.0 - 4021.3	2	Tundra St. Lazare HZNTL
		08-36-10-29	8671	745.0 - 2359.0	2443.6 - 7737.5	4	Tundra Daly Sinclair HZNTL
		15-07-02-29	8998	1050.0 - 1770.0	3444.0 - 5805.6	3	CNRL Pierson HZNTL
		07-09-02-28	9038	1005.0 - 1706.0	3296.4 - 5595.7	2	EOG Pierson HZNTL
	C#	14-30-07-28	9010	838.0 - 2243.0	2748.6 - 7357.0	4	Sinclair Unit No. 2 HZNTL
	C1	01-31-02-28	9418	1230.0 - 2577.0	4034.4 - 8452.6	3	CNRL Pierson HZNTL
		01-30-12-26	9307	175.0 - 705.0	574.0 - 2312.4	2	Elcano Two Creeks DIR
		16-24-09-29	8718	775.0 - 2407.0	2542.0 - 7895.0	4	Tundra Daly Sinclair Prov. HZNTL
		11-22-12-27	9434	155.0 - 605.0	508.4 - 1984.4	2	Elcano North Hargrave
		04-04-09-29	9041	810.0 - 2449.0	2656.8 - 8032.7	4	Tundra Daly Sinclair Prov. HZNTL Tundra Daly Sinclair Prov. HZNTL
	C2	12-05-02-29	8930	1050.0 - 2247.0	3444.0 - 7370.2	5	CNRL Pierson HZNTL
		11-23-07-29	9059	880.0 - 2403.0	2886.4 - 7881.8	4	Tundra Daly Sinclair HZNTL
		13-11-13-28	8711	560.0 - 2142.0	1836.8 - 7025.8	4	Tundra East Manson Prov. HZNTL
		13-13-09-29	8641	775.0 - 2420.0	2542.0 - 7937.6	4	Tundra Daly Sinclair HZNTL
C3	01-19-11-26	9040	565.0 - 1898.0	1853.2 - 6225.4	4	Tundra Virden HZNTL	
	10-21-07-29	9058	880.0 - 2517.0	2886.4 - 8255.8	4	Tundra Daly Sinclair HZNTL	
	16-18-09-28	8935	775.0 - 2265.0	2542.0 - 7429.2	4	Tundra Daly Sinclair Prov. HZNTL	
C4	16-19-12-26	9106	160.0 - 754.0	524.8 - 2473.1	3	EverGro Two Creeks	
	14-14-07-29	9165	890.0 - 2637.0	2919.2 - 8649.4	7	Sinclair Unit No. 4 Prov. HZNTL	
	16-21-15-27	9061	115.0 - 633.0	377.2 - 2076.2	3	Fort Calgary Birdtail DIR	
D1	04-03-13-28	9347	595.0 - 2227.0	1951.6 - 7304.6	7	CPEC East Manson HZNTL	
	01-01-13-27	9448	150.0 - 645.0	492.0 - 2115.6	2	Elcano Miniota	
	07-03-13-27	9435	150.0 - 600.0	492.0 - 1968.0	2	Elcano Miniota	
	05-27-09-28	9172	700.0 - 2349.0	2296.0 - 7704.7	4	Tundra Daly Sinclair HZNTL	
D2	16-26-09-29	9381	660.0 - 2337.0	2164.8 - 7665.4	5	Tundra Daly Sinclair Prov. HZNTL	
	05-03-10-29	9046	835.0 - 2310.0	2738.8 - 7576.8	4	Tundra Daly Sinclair HZNTL	
	A16-24-09-29	8719	840.0 - 2314.7	2755.2 - 7592.2	3	Tundra Daly Sinclair Prov. HZNTL	
	12-32-07-29	8801	860.0 - 2562.0	2820.8 - 8403.4	5	Sinclair Unit No. 8 HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name	
263	D3	09-10-09-29	8959	770.0 - 2475.0	2525.6 - 8118.0	5	Tundra Daly Sinclair HZNTL	
		06-20-11-29	9301	750.0 - 2349.0	2460.0 - 7704.7	7	CPEC South Kirkella HZNTL	
		09-26-09-29	9380	660.0 - 2413.0	2164.8 - 7914.6	5	Tundra Daly Sinclair Prov. HZNTL	
	D4	15-09-11-29	8866	750.0 - 2364.0	2460.0 - 7753.9	4	Tundra et al South Kirkella HZNTL	
		12-09-09-28	8991	700.0 - 2226.0	2296.0 - 7301.3	4	Tundra Daly Sinclair HZNTL	
		04-13-14-29	9089	560.0 - 2158.0	1836.8 - 7078.2	8	CPEC South McAuley HZNTL	
	264	A1	09-04-02-25	9619	940.0 - 1759.0	3083.2 - 5769.5	2	Waskada Unit No. 16 HZNTL Prov.
			13-16-03-21	9590	600.0 - 1514.0	1968.0 - 4965.9	4	Tundra Whitewater HZNTL
			13-16-03-21	9590	600.0 - 1514.0	1968.0 - 4965.9	4	Tundra Whitewater HZNTL
08-24-10-29			9589	835.0 - 2285.0	2738.8 - 7494.8	4	Tundra Daly Sinclair Prov. HZNTL	
A01-14-08-29			9300	770.0 - 2315.0	2525.6 - 7593.2	4	Sinclair Unit No. 7 HZNTL	
08-29-09-29			9545	675.0 - 2328.0	2214.0 - 7635.8	5	Tundra Daly Sinclair Prov. HZNTL	
A2		11-25-01-29	9654	900.0 - 2130.0	2952.0 - 6986.4	3	618555 Pierson HZNTL	
		13-09-10-28	9727	650.0 - 2309.0	2132.0 - 7573.5	4	Corex Daly Sinclair HZNTL	
		A12-12-10-29	9588	850.0 - 2130.5	2788.0 - 6988.0	3	Tundra Daly Sinclair HZNTL	
		15-04-01-25	9635	950.0 - 1674.0	3116.0 - 5490.7	2	EOG Waskada HZNTL	
A3		A03-18-08-29	9518	800.0 - 2522.0	2624.0 - 8272.2	5	Sinclair Unit No. 10 Prov. HZNTL	
		03-13-14-29	9534	550.0 - 2219.0	1804.0 - 7278.3	7	CPEC Manson HZNTL	
		13-09-13-28	9541	585.0 - 1385.0	1918.8 - 4542.8	4	CPEC Manson HZNTL	
A4		15-04-10-26	9521	600.0 - 1424.0	1968.0 - 4670.7	3	Corex Virden HZNTL	
		A10-21-07-29	9109	835.0 - 2520.0	2738.8 - 8265.6	4	Tundra Daly Sinclair HZNTL	
		04-15-08-29	9299	770.0 - 2541.0	2525.6 - 8334.5	5	Sinclair Unit No. 7 HZNTL	
		A08-20-09-29	9335	750.0 - 2298.0	2460.0 - 7537.4	4	Tundra Daly Sinclair HZNTL	
B1		A08-20-09-29	9335	750.0 - 2298.0	2460.0 - 7537.4	4	Tundra Daly Sinclair HZNTL	
		12-06-08-29	9512	830.0 - 2550.0	2722.4 - 8364.0	5	Sinclair Unit No. 10 HZNTL	
		05-07-08-29	9515	840.0 - 2540.0	2755.2 - 8331.2	4	Sinclair Unit No. 10 HZNTL	
		A03-04-02-25	9630	920.0 - 1575.0	3017.6 - 5166.0	2	Waskada Unit No. 16 HZNTL	
	03-04-02-25	9629	920.0 - 1610.0	3017.6 - 5280.8	2	Waskada Unit No. 16 HZNTL		
	07-15-02-25	9664	950.0 - 1709.0	3116.0 - 5605.5	2	Waskada Unit No. 17 HZNTL		
	B2	08-06-13-27	9734	675.0 - 2024.0	2214.0 - 6638.7	3	Tundra Miniota Prov. HZNTL	
03-02-13-28		9786	500.0 - 2020.0	1640.0 - 6625.6	4	Tundra Manson HZNTL		
08-06-13-27		9734	145.0 - 722.0	475.6 - 2368.2	3	Tundra Miniota Prov. HZNTL		
08-06-13-27		9734	145.0 - 722.0	475.6 - 2368.2	3	Tundra Miniota Prov. HZNTL		
08-06-13-27		9734	675.0 - 2024.0	2214.0 - 6638.7	3	Tundra Miniota Prov. HZNTL		
01-18-13-27		9744	480.0 - 2175.0	1574.4 - 7134.0	4	Tundra Miniota Prov. HZNTL		
05-21-08-28		9919	840.0 - 2140.0	2755.2 - 7019.2	3	Tundra et al Daly Sinclair HZNTL		
B3	A05-31-01-28	9446	1050.0 - 1722.0	3444.0 - 5648.2	2	EOG Pierson HZNTL		
	A13-11-07-29	9531	850.0 - 2515.0	2788.0 - 8249.2	7	Sinclair Unit No. 4 Prov. HZNTL		
	A04-17-08-28	9443	870.0 - 2319.0	2853.6 - 7606.3	4	Tundra Daly Sinclair HZNTL		
	04-09-09-28	9281	700.0 - 2250.0	2296.0 - 7380.0	4	Tundra Daly Sinclair HZNTL		
B4	A11-23-07-29	9110	880.0 - 2412.0	2886.4 - 7911.4	4	Tundra Daly Sinclair HZNTL		

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
264	B4	05-18-09-29	9003	750.0 - 2476.0	2460.0 - 8121.3	5	Tundra Daly Sinclair HZNTL
		05-18-09-29	9003	750.0 - 2476.0	2460.0 - 8121.3	5	Tundra Daly Sinclair HZNTL
	A05-18-09-29	07-21-07-29	9317	885.0 - 2545.0	2902.8 - 8347.6	4	Tundra Daly Sinclair HZNTL
		05-18-09-29	9323	920.0 - 2371.0	3017.6 - 7776.9	4	Tundra Daly Sinclair HZNTL
C1	15-09-02-24	9351	850.0 - 1700.0	2788.0 - 5576.0	3	Red Beds Goodlands HZNTL	
	04-06-08-29	9510	775.0 - 2558.0	2542.0 - 8390.2	5	Sinclair Unit No. 10 HZNTL	
	03-18-08-29	9517	840.0 - 2540.0	2755.2 - 8331.2	4	Sinclair Unit No. 10 Prov. HZNTL	
	10-01-11-27	9680	550.0 - 1441.0	1804.0 - 4726.5	3	Corex Virden HZNTL	
C2	B13-29-08-28	9676	850.0 - 2304.0	2788.0 - 7557.1	4	Tundra Daly Sinclair Prov. HZNTL	
	09-21-11-26	9613	525.0 - 1584.0	1722.0 - 5195.5	3	North Virden Scallion Unit No. 1 HZNTL	
	10-29-09-28	9583	710.0 - 1910.0	2328.8 - 6264.8	3	Corex Daly Sinclair Prov. HZNTL	
	05-14-10-26	9690	550.0 - 1560.0	1804.0 - 5116.8	3	Virden Roselea Unit No. 3 HZNTL	
C3	A09-10-09-29	9332	895.0 - 2220.0	2935.6 - 7281.6	3	Tundra Daly Sinclair HZNTL	
	A08-20-09-29	9335	700.0 - 993.7	2296.0 - 3259.3	2	Tundra Daly Sinclair HZNTL	
	A08-20-09-29	9335	700.0 - 993.7	2296.0 - 3259.3	2	Tundra Daly Sinclair HZNTL	
	08-20-09-29	9334	875.0 - 2189.6	2870.0 - 7181.9	3	Tundra Daly Sinclair HZNTL	
	16-06-10-28	9482	640.0 - 2200.0	2099.2 - 7216.0	4	Tundra Daly Sinclair HZNTL	
	05-18-09-29	9003	750.0 - 1037.0	2460.0 - 3401.4	2	Tundra Daly Sinclair HZNTL	
	05-18-09-29	9003	750.0 - 1037.0	2460.0 - 3401.4	2	Tundra Daly Sinclair HZNTL	
C4	04-22-02-29	9671	990.0 - 2532.0	3247.2 - 8305.0	4	Red Beds et al Pierson Prov. HZNTL	
	13-06-08-29	9513	830.0 - 2557.0	2722.4 - 8387.0	5	Sinclair Unit No. 10 HZNTL	
	15-33-15-27	8716	500.0 - 2038.0	1640.0 - 6684.6	7	CPEC Birdtail HZNTL	
	13-01-10-29	9483	640.0 - 2379.0	2099.2 - 7803.1	5	Tundra et al Daly Sinclair HZNTL	
D1	A09-28-08-28	9582	725.0 - 2280.0	2378.0 - 7478.4	4	Tundra et al Daly Sinclair HZNTL	
	A10-35-01-28	9702	850.0 - 1671.0	2788.0 - 5480.9	3	618555 SK Pierson HZNTL	
	12-12-10-29	9460	625.0 - 2215.0	2050.0 - 7265.2	4	Tundra Daly Sinclair HZNTL	
	A09-04-02-25	9620	940.0 - 1773.0	3083.2 - 5815.4	2	Waskada Unit No. 16 Prov. HZNTL	
D09-03-01-24	9595	970.0 - 1689.0	3181.6 - 5539.9	2	EOG Waskada HZNTL		
D2	10-05-02-25	9662	930.0 - 1730.0	3050.4 - 5674.4	2	Waskada Unit No. 16 HZNTL	
	A16-14-02-29	9378	950.0 - 1933.0	3116.0 - 6340.2	3	Red Beds Pierson HZNTL	
	12-04-03-29	9669	875.0 - 1870.0	2870.0 - 6133.6	3	NAL Pierson HZNTL	
	02-18-08-29	9516	840.0 - 2532.0	2755.2 - 8305.0	4	Sinclair Unit No. 10 Prov. HZNTL	
	13-07-08-29	9520	840.0 - 2564.0	2755.2 - 8409.9	5	Sinclair Unit No. 10 HZNTL	
D3	A14-12-02-29	9466	1060.0 - 1790.0	3476.8 - 5871.2	2	EOG Pierson Prov. HZNTL	
	14-12-02-29	9465	1035.0 - 1750.0	3394.8 - 5740.0	2	EOG Pierson Prov. HZNTL	
	12-31-01-28	9447	1090.0 - 1806.0	3575.2 - 5923.7	2	EOG Pierson HZNTL	
	09-12-09-28	9455	700.0 - 2023.0	2296.0 - 6635.4	4	Tundra Daly Sinclair Prov. HZNTL	
	A11-12-02-29	9467	1070.0 - 1804.0	3509.6 - 5917.1	2	EOG Pierson Prov. HZNTL	
	A11-15-02-28	9484	1020.0 - 1684.0	3345.6 - 5523.5	2	EOG Pierson HZNTL	
	01-28-06-22	9737	150.0 - 757.0	492.0 - 2483.0	3	Major Souris Hartney	
D4	15-27-11-29	9458	740.0 - 2371.0	2427.2 - 7776.9	7	CPEC South Kirkella HZNTL	
	04-19-07-29	9415	925.0 - 2566.0	3034.0 - 8416.5	7	Red River Daly Sinclair HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
264	D4	03-32-16-27	9501	475.0 - 1203.0	1558.0 - 3945.8	3	CPEC Birdtail HZNTL
	a3	01-26-10-26	9503	550.0 - 1601.0	1804.0 - 5251.3	3	Virden Roselea Unit No. 1 HZNTL
	c3	08-27-09-26	9456	570.0 - 1270.0	1869.6 - 4165.6	3	Corex Virden HZNTL
265	A1	06-23-07-29	9316	885.0 - 2120.0	2902.8 - 6953.6	4	Tundra Daly Sinclair HZNTL
		16-23-08-28	9449	740.0 - 2402.0	2427.2 - 7878.6	4	Corval Daly Sinclair HZNTL
		10-35-09-29	9543	675.0 - 2264.0	2214.0 - 7425.9	4	Tundra et al Daly Sinclair HZNTL
	B04-34-01-25	9402	940.0 - 1632.0	3083.2 - 5353.0	2	Waskada Unit No. 19 HZNTL	
		8568	960.0 - 1732.0	3148.8 - 5681.0	2	EOG Waskada HZNTL	
	A2	A03-35-01-25	8395	955.0 - 1672.0	3132.4 - 5484.2	2	EOG Waskada HZNTL
		C04-16-01-25	9440	1010.0 - 1787.0	3312.8 - 5861.4	2	EOG Waskada Prov. HZNTL
	A14-30-01-28	9328	950.0 - 1706.0	3116.0 - 5595.7	2	Red Beds Pierson Prov. HZNTL	
	B01-03-01-24	9587	1015.0 - 1735.0	3329.2 - 5690.8	2	EOG Waskada HZNTL	
		03-35-01-25	8394	965.0 - 1698.0	3165.2 - 5569.4	2	EOG Waskada HZNTL
	09-28-08-28	9581	820.0 - 2123.0	2689.6 - 6963.4	3	Tundra et al Daly Sinclair HZNTL	
		16-09-01-25	9524	1005.0 - 1748.0	3296.4 - 5733.4	2	EOG Waskada HZNTL
	A3	16-16-14-29	9759	140.0 - 715.0	459.2 - 2345.2	3	Fort Calgary South McAuley Prov.
		13-08-16-27	9767	475.0 - 2000.0	1558.0 - 6560.0	7	Kinwest 08 Mariner Birdtail HZNTL
		05-08-16-27	9766	475.0 - 1909.0	1558.0 - 6261.5	7	Kinwest 08 Mariner Birdtail HZNTL
	A4	B09-04-02-25	9621	990.0 - 1868.0	3247.2 - 6127.0	3	Waskada Unit No. 16 Prov. HZNTL
		05-15-02-25	9670	920.0 - 1659.0	3017.6 - 5441.5	2	Waskada Unit No. 17 HZNTL
		05-06-08-29	9511	830.0 - 2561.0	2722.4 - 8400.1	5	Sinclair Unit No. 10 HZNTL
		A09-01-10-29	9610	820.0 - 2285.0	2689.6 - 7494.8	4	Tundra et al Daly Sinclair HZNTL
		13-32-08-28	9565	760.0 - 2256.0	2492.8 - 7399.7	4	Tundra Daly Sinclair HZNTL
	B1	04-18-11-29	9625	145.0 - 2250.0	475.6 - 7380.0	7	Tundra Daly Sinclair HZNTL
		A10-12-01-26	9488	850.0 - 2009.0	2788.0 - 6589.5	3	Waskada Unit No. 6 HZNTL
		A01-29-09-29	9553	875.0 - 2225.0	2870.0 - 7298.0	3	Tundra Daly Sinclair Prov. HZNTL
04-18-11-29		9625	145.0 - 2250.0	475.6 - 7380.0	7	Tundra Daly Sinclair HZNTL	
16-20-09-29		9498	875.0 - 2208.0	2870.0 - 7242.2	3	Tundra Daly Sinclair HZNTL	
B2	04-21-08-28	9538	760.0 - 2260.0	2492.8 - 7412.8	4	Tundra et al Daly Sinclair HZNTL	
	04-34-09-28	9280	700.0 - 2329.0	2296.0 - 7639.1	4	Tundra Daly Sinclair HZNTL	
	A01-28-01-25	9525	950.0 - 1677.0	3116.0 - 5500.6	2	EOG Waskada Prov. HZNTL	
	13-28-10-29	9559	700.0 - 2196.0	2296.0 - 7202.9	4	Kola Unit No. 2 HZNTL	
	05-17-06-26	9735	360.0 - 985.0	1180.8 - 3230.8	3	Petro One South Pipestone	
B3	07-20-11-29	9359	650.0 - 2361.0	2132.0 - 7744.1	5	T. Bird Daly Sinclair HZNTL	
	01-01-13-28	9761	580.0 - 2203.0	1902.4 - 7225.8	7	CPEC Manson HZNTL	
	12-23-01-25	9468	960.0 - 1693.0	3148.8 - 5553.0	2	EOG Waskada HZNTL	
	14-20-08-28	9569	780.0 - 1599.0	2558.4 - 5244.7	3	Tundra Daly Sinclair Prov. HZNTL	
B4	A11-34-01-28	9657	890.0 - 1698.0	2919.2 - 5569.4	3	618555 Pierson HZNTL	
	04-07-08-29	9514	760.0 - 2535.0	2492.8 - 8314.8	5	Sinclair Unit No. 10 HZNTL	
	A12-23-01-25	9469	1030.0 - 1779.0	3378.4 - 5835.1	2	EOG Waskada HZNTL	
	A08-29-09-29	9546	865.0 - 2225.0	2837.2 - 7298.0	3	Tundra Daly Sinclair Prov. HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
265	B4	B03-35-01-25	8396	955.0 - 1691.0	3132.4 - 5546.5	2	EOG Waskada HZNTL
		07-27-09-29	9497	755.0 - 945.0	2476.4 - 3099.6	2	Interwest Daly Sinclair
		07-27-09-29	9497	755.0 - 945.0	2476.4 - 3099.6	2	Interwest Daly Sinclair
	C1	A16-20-09-29	9499	685.0 - 2285.5	2246.8 - 7496.4	4	Tundra Daly Sinclair HZNTL
		A04-23-08-28	9171	750.0 - 2327.0	2460.0 - 7632.6	4	Corval Daly Sinclair HZNTL
		A05-06-10-29	9306	840.0 - 2329.0	2755.2 - 7639.1	4	Tundra Daly Sinclair Prov. HZNTL
		13-08-10-28	9341	740.0 - 2192.0	2427.2 - 7189.8	4	Tundra Daly Sinclair HZNTL
	C2	01-27-09-29	9495	755.0 - 941.0	2476.4 - 3086.5	2	Interwest Daly Sinclair
		01-27-09-29	9495	755.0 - 941.0	2476.4 - 3086.5	2	Interwest Daly Sinclair
		B05-22-01-25	9509	990.0 - 1725.0	3247.2 - 5658.0	2	EOG Waskada HZNTL
		15-12-01-26	9475	850.0 - 1945.0	2788.0 - 6379.6	3	Waskada Unit No. 6 HZNTL
		C04-34-01-25	9403	970.0 - 1684.0	3181.6 - 5523.5	2	Waskada Unit No. 19 HZNTL
		A05-32-09-29	9502	765.0 - 951.0	2509.2 - 3119.3	2	Interwest Daly Sinclair Prov.
		A05-32-09-29	9502	765.0 - 951.0	2509.2 - 3119.3	2	Interwest Daly Sinclair Prov.
		A04-19-09-29	9444	870.0 - 2323.0	2853.6 - 7619.4	4	Tundra Daly Sinclair HZNTL
	C3	C16-28-01-25	9580	980.0 - 1696.0	3214.4 - 5562.9	2	EOG Waskada HZNTL
		01-33-01-24	9504	800.0 - 1385.0	2624.0 - 4542.8	2	Red Beds Waskada HZNTL
		A14-20-02-28	9375	950.0 - 1713.0	3116.0 - 5618.6	2	Red Beds Pierson Prov. HZNTL
		05-34-09-28	9566	675.0 - 2384.0	2214.0 - 7819.5	5	Tundra Daly Sinclair HZNTL
		07-01-01-26	9461	850.0 - 1629.0	2788.0 - 5343.1	2	Waskada Unit No. 6 HZNTL WIW
		02-27-09-29	9496	760.0 - 945.0	2492.8 - 3099.6	2	Interwest Daly Sinclair
		02-27-09-29	9496	760.0 - 945.0	2492.8 - 3099.6	2	Interwest Daly Sinclair
	C4	11-22-08-28	9292	730.0 - 2392.0	2394.4 - 7845.8	4	Corval Daly Sinclair HZNTL
		01-03-03-29	9645	850.0 - 1846.0	2788.0 - 6054.9	3	NAL Pierson HZNTL
		03-27-09-29	9479	760.0 - 940.0	2492.8 - 3083.2	2	Interwest Daly Sinclair
		13-18-09-29	8964	700.0 - 2439.0	2296.0 - 7999.9	5	Tundra Daly Sinclair HZNTL
10-06-02-27		9643	890.0 - 1831.0	2919.2 - 6005.7	4	Antler River Pierson HZNTL	
03-27-09-29		9479	760.0 - 940.0	2492.8 - 3083.2	2	Interwest Daly Sinclair	
D1	03-05-03-28	9686	825.0 - 1740.0	2706.0 - 5707.2	3	NAL Pierson HZNTL	
	01-17-11-29	9624	675.0 - 2364.0	2214.0 - 7753.9	4	Tundra Daly Sinclair HZNTL	
	01-17-11-29	9624	550.0 - 913.0	1804.0 - 2994.6	2	Tundra Daly Sinclair HZNTL	
	09-07-10-28	9519	625.0 - 2342.0	2050.0 - 7681.8	5	Tundra Daly Sinclair HZNTL	
	01-17-11-29	9624	675.0 - 2364.0	2214.0 - 7753.9	4	Tundra Daly Sinclair HZNTL	
	08-19-09-28	9330	700.0 - 2399.0	2296.0 - 7868.7	5	Tundra Daly Sinclair HZNTL	
D2	01-17-11-29	9624	550.0 - 913.0	1804.0 - 2994.6	2	Tundra Daly Sinclair HZNTL	
	A11-20-02-28	9374	950.0 - 1720.0	3116.0 - 5641.6	4	Red Beds Pierson Prov. HZNTL	
	A15-19-07-29	9476	900.0 - 2631.0	2952.0 - 8629.7	7	Red River Daly Sinclair HZNTL	
	A11-20-02-28	9374	950.0 - 1720.0	3116.0 - 5641.6	4	Red Beds Pierson Prov. HZNTL	
	A11-22-08-28	9311	780.0 - 2275.0	2558.4 - 7462.0	4	Corval Daly Sinclair HZNTL	
	04-36-11-29	9485	685.0 - 874.0	2246.8 - 2866.7	2	Dawn Daly Sinclair	
D3	04-36-11-29	9485	685.0 - 874.0	2246.8 - 2866.7	2	Dawn Daly Sinclair	
	A04-21-08-28	9539	825.0 - 2157.0	2706.0 - 7075.0	3	Tundra et al Daly Sinclair HZNTL	



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265	D3	C05-34-01-25	8766	920.0 - 1602.0	3017.6 - 5254.6	2	Waskada Unit No. 19 HZNTL	
		13-23-01-25	9470	1005.0 - 1787.0	3296.4 - 5861.4	2	EOG Waskada HZNTL	
		D05-34-01-25	8767	915.0 - 1617.0	3001.2 - 5303.8	2	Waskada Unit No. 19 HZNTL	
		10-02-02-25	9528	940.0 - 1668.0	3083.2 - 5471.0	2	EOG Waskada Prov. HZNTL	
		15-10-07-29	9603	780.0 - 1734.0	2558.4 - 5687.5	4	Red River Daly Sinclair HZNTL	
		A14-20-08-28	9570	855.0 - 1500.0	2804.4 - 4920.0	2	Tundra Daly Sinclair Prov. HZNTL	
	D4	08-13-02-25	9352	850.0 - 1590.0	2788.0 - 5215.2	2	Red Beds Waskada HZNTL	
		05-25-09-29	9542	700.0 - 2493.0	2296.0 - 8177.0	5	Corex Daly Sinclair HZNTL	
		12-32-08-28	9564	760.0 - 2261.0	2492.8 - 7416.1	4	Tundra Daly Sinclair HZNTL	
		B14-20-02-28	9376	950.0 - 1659.0	3116.0 - 5441.5	2	Red Beds Pierson Prov. HZNTL	
		11-20-02-28	9373	950.0 - 1687.0	3116.0 - 5533.4	2	Red Beds Pierson Prov. HZNTL	
		11-09-02-24	9362	850.0 - 1683.0	2788.0 - 5520.2	2	Red Beds Waskada HZNTL	
	266	A 2	A09-04-10-28	9742	650.0 - 934.0	2132.0 - 3063.5	2	Corex Daly Sinclair Prov.
			A09-04-10-28	9742	650.0 - 934.0	2132.0 - 3063.5	2	Corex Daly Sinclair Prov.
A1		08-01-09-29	9593	780.0 - 2291.0	2558.4 - 7514.5	4	Tundra et al Daly Sinclair HZNTL	
		09-32-10-28	9851	700.0 - 2381.0	2296.0 - 7809.7	4	Tundra Daly Sinclair HZNTL	
		01-20-08-28	9805	865.0 - 2334.0	2837.2 - 7655.5	4	Tundra Daly Sinclair Prov. HZNTL	
		09-17-08-28	9754	845.0 - 2208.0	2771.6 - 7242.2	3	Tundra Daly Sinclair HZNTL	
A2		08-20-08-28	9796	845.0 - 2311.5	2771.6 - 7581.7	4	Tundra Daly Sinclair Prov. HZNTL	
		B15-01-10-28	9842	650.0 - 909.0	2132.0 - 2981.5	2	Corex Daly Sinclair	
		15-16-12-26	9579	190.0 - 635.0	623.2 - 2082.8	2	Flushing Two Creeks	
		07-25-01-29	9827	850.0 - 1806.0	2788.0 - 5923.7	3	Melita Pierson HZNTL	
		01-34-10-26	9602	570.0 - 2132.5	1869.6 - 6994.6	4	Tundra Virden HZNTL	
		B15-01-10-28	9842	650.0 - 909.0	2132.0 - 2981.5	2	Corex Daly Sinclair	
A3		14-30-01-28	9327	950.0 - 1706.0	3116.0 - 5595.7	2	Red Beds Pierson Prov. HZNTL	
		15-17-03-21	9578	500.0 - 1522.0	1640.0 - 4992.2	3	Tundra Whitewater HZNTL	
		A07-01-01-26	9462	850.0 - 1636.0	2788.0 - 5366.1	2	Waskada Unit No. 6 HZNTL	
		15-17-03-21	9578	990.0 - 1439.0	3247.2 - 4719.9	1	Tundra Whitewater HZNTL	
		A11-09-02-24	9550	850.0 - 1691.0	2788.0 - 5546.5	2	Red Beds Waskada HZNTL	
		15-17-03-21	9578	990.0 - 1439.0	3247.2 - 4719.9	1	Tundra Whitewater HZNTL	
		A11-30-01-28	9350	950.0 - 1695.0	3116.0 - 5559.6	2	Red Beds Pierson Prov. HZNTL	
		B11-09-02-24	9551	850.0 - 1672.0	2788.0 - 5484.2	2	Red Beds Waskada HZNTL	
		15-17-03-21	9578	500.0 - 1522.0	1640.0 - 4992.2	3	Tundra Whitewater HZNTL	
		08-06-12-26	9562	160.0 - 660.0	524.8 - 2164.8	3	Flushing Virden	
A4		B13-23-01-25	9473	945.0 - 1653.0	3099.6 - 5421.8	2	EOG Waskada HZNTL	
		A04-22-01-25	9506	965.0 - 1665.0	3165.2 - 5461.2	2	EOG Waskada HZNTL	
		16-10-09-29	9309	700.0 - 2307.0	2296.0 - 7567.0	4	Tundra Daly Sinclair Prov. HZNTL	
		A13-23-01-25	9471	975.0 - 1715.0	3198.0 - 5625.2	2	EOG Waskada HZNTL	
	15-19-12-26	9407	200.0 - 589.0	656.0 - 1931.9	2	EverGro Two Creeks		
	07-29-11-26	9536	565.0 - 1550.0	1853.2 - 5084.0	3	Tundra Virden Prov. HZNTL		
	07-29-11-26	9536	565.0 - 1550.0	1853.2 - 5084.0	3	Tundra Virden Prov. HZNTL		
	07-29-11-26	9536	565.0 - 1550.0	1853.2 - 5084.0	3	Tundra Virden Prov. HZNTL		

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266	A4	07-29-11-26	9536	970.0 - 1394.0	3181.6 - 4572.3	1	Tundra Virden Prov. HZNTL
		07-29-11-26	9536	970.0 - 1394.0	3181.6 - 4572.3	1	Tundra Virden Prov. HZNTL
		07-29-11-26	9536	970.0 - 1394.0	3181.6 - 4572.3	1	Tundra Virden Prov. HZNTL
		07-29-11-26	9536	790.0 - 1116.0	2591.2 - 3660.5	1	Tundra Virden Prov. HZNTL
		07-29-11-26	9536	790.0 - 1116.0	2591.2 - 3660.5	1	Tundra Virden Prov. HZNTL
		07-29-11-26	9536	790.0 - 1116.0	2591.2 - 3660.5	1	Tundra Virden Prov. HZNTL
	B1	12-15-09-28	9616	690.0 - 2360.0	2263.2 - 7740.8	4	Tundra Daly Sinclair HZNTL
		B05-29-08-28	9673	840.0 - 2300.0	2755.2 - 7544.0	4	Tundra Daly Sinclair Prov. HZNTL
		07-24-16-28	9762	470.0 - 1912.0	1541.6 - 6271.4	4	Tundra Birdtail HZNTL
		10-35-09-28	9631	755.0 - 1043.0	2476.4 - 3421.0	1	Daly Unit No. 4 Prov. HZNTL
		01-04-17-27	9682	150.0 - 650.0	492.0 - 2132.0	2	Tundra Birdtail DIR
	B2	13-16-09-28	9837	550.0 - 908.0	1804.0 - 2978.2	2	Tundra Daly Sinclair HZNTL
		13-16-09-28	9837	550.0 - 908.0	1804.0 - 2978.2	2	Tundra Daly Sinclair HZNTL
		13-16-09-28	9837	700.0 - 2361.5	2296.0 - 7745.7	4	Tundra Daly Sinclair HZNTL
		13-16-09-28	9837	700.0 - 2361.5	2296.0 - 7745.7	4	Tundra Daly Sinclair HZNTL
		A09-21-01-25	8328	970.0 - 1714.0	3181.6 - 5621.9	2	EOG Waskada HZNTL
		07-36-01-29	9776	850.0 - 1847.0	2788.0 - 6058.2	3	Melita Pierson HZNTL
		07-17-10-26	9746	525.0 - 1443.0	1722.0 - 4733.0	3	Corex Virden HZNTL
	10-03-10-26	9719	550.0 - 1762.0	1804.0 - 5779.4	3	Corex Virden HZNTL	
	B3	C11-09-01-25	9573	955.0 - 1768.0	3132.4 - 5799.0	2	EOG Waskada HZNTL
		05-22-01-25	9507	935.0 - 1641.0	3066.8 - 5382.5	2	EOG Waskada HZNTL
		A05-22-01-25	9508	940.0 - 1660.0	3083.2 - 5444.8	2	EOG Waskada HZNTL
		B01-27-01-25	9558	960.0 - 1695.0	3148.8 - 5559.6	2	Waskada Unit No. 19 HZNTL
		12-30-09-29	9757	895.0 - 2326.0	2935.6 - 7629.3	3	Tundra et al Daly Sinclair Prov. HZNTL
		09-21-01-25	8327	960.0 - 1711.0	3148.8 - 5612.1	2	EOG Waskada HZNTL
		B01-21-01-25	9526	1005.0 - 1765.0	3296.4 - 5789.2	2	EOG Waskada HZNTL
16-21-01-25		8329	960.0 - 1679.0	3148.8 - 5507.1	2	EOG Waskada HZNTL	
B4	A15-09-02-24	9555	850.0 - 1700.0	2788.0 - 5576.0	3	Red Beds Waskada HZNTL	
	A01-36-09-29	9438	650.0 - 2366.0	2132.0 - 7760.5	5	Corex Daly Sinclair HZNTL	
	B15-09-02-24	9556	850.0 - 1723.5	2788.0 - 5653.1	3	Red Beds Waskada HZNTL	
	01-36-09-29	9437	740.0 - 2391.0	2427.2 - 7842.5	4	Corex Daly Sinclair HZNTL	
	14-10-02-24	9600	850.0 - 1584.0	2788.0 - 5195.5	2	Red Beds Waskada HZNTL	
C1	11-17-16-27	9312	480.0 - 1227.0	1574.4 - 4024.6	2	Tundra Birdtail HZNTL	
	04-05-01-25	9623	895.0 - 979.0	2935.6 - 3211.1	1	EOG Waskada	
	01-23-09-28	9733	680.0 - 2373.0	2230.4 - 7783.4	4	Cromer Unit No. 1 HZNTL	
	13-27-09-28	9598	680.0 - 2368.0	2230.4 - 7767.0	4	Tundra Daly Sinclair HZNTL	
	01-01-09-29	9592	785.0 - 2310.0	2574.8 - 7576.8	4	Tundra et al Daly Sinclair HZNTL	
C2	A02-03-13-28	9655	580.0 - 2221.0	1902.4 - 7284.9	7	CPEC Manson HZNTL	
	A07-09-13-28	9651	575.0 - 1370.0	1886.0 - 4493.6	4	CPEC Manson HZNTL	
	01-02-13-28	9760	570.0 - 2051.0	1869.6 - 6727.3	6	CPEC Manson HZNTL	
C3	06-11-01-25	9628	910.0 - 2602.0	2984.8 - 8534.6	4	Penn West Waskada Prov. HZNTL	
	16-04-11-28	9451	650.0 - 2456.0	2132.0 - 8055.7	5	Corex Daly Sinclair Prov. HZNTL	

**Non Confidential Sample Cuttings**  
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**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
266	C3	15-17-10-26	9747	525.0 - 1434.0	1722.0 - 4703.5	3	Corex Virden HZNTL
		05-35-10-29	9622	650.0 - 2461.0	2132.0 - 8072.1	5	Corex Daly Sinclair HZNTL
	C4	01-19-09-28	9329	700.0 - 1560.0	2296.0 - 5116.8	3	Tundra Daly Sinclair HZNTL
		A01-08-09-28	9442	710.0 - 2384.0	2328.8 - 7819.5	4	Corex Daly Sinclair Prov. HZNTL
		12-08-10-28	9331	700.0 - 2195.0	2296.0 - 7199.6	4	Tundra Daly Sinclair HZNTL
		A13-25-08-29	9701	840.0 - 2203.0	2755.2 - 7225.8	3	Tundra Daly Sinclair HZNTL
		01-19-09-28	9329	700.0 - 1560.0	2296.0 - 5116.8	3	Tundra Daly Sinclair HZNTL
		01-19-09-28	9329	1060.0 - 2398.0	3476.8 - 7865.4	3	Tundra Daly Sinclair HZNTL
		01-19-09-28	9329	1060.0 - 2398.0	3476.8 - 7865.4	3	Tundra Daly Sinclair HZNTL
		D1	01-27-10-26	9700	790.0 - 1982.0	2591.2 - 6501.0	2
	01-27-10-26		9700	540.0 - 1997.0	1771.2 - 6550.2	4	Tundra Virden HZNTL
	01-27-10-26		9700	790.0 - 1982.0	2591.2 - 6501.0	2	Tundra Virden HZNTL
	12-27-09-28		9597	680.0 - 2350.0	2230.4 - 7708.0	4	Tundra Daly Sinclair HZNTL
	01-27-10-26		9700	540.0 - 1997.0	1771.2 - 6550.2	4	Tundra Virden HZNTL
	05-09-08-28		9614	845.0 - 2313.0	2771.6 - 7586.6	4	Tundra Daly Sinclair HZNTL
	D2	A13-24-11-27	9648	740.0 - 1500.0	2427.2 - 4920.0	2	Tundra Virden HZNTL
		A13-24-11-27	9648	740.0 - 1500.0	2427.2 - 4920.0	2	Tundra Virden HZNTL
		A13-24-11-27	9648	565.0 - 1800.0	1853.2 - 5904.0	3	Tundra Virden HZNTL
		05-16-13-28	9652	570.0 - 1669.0	1869.6 - 5474.3	5	CPEC Manson HZNTL
		14-08-11-29	9790	760.0 - 1558.0	2492.8 - 5110.2	4	CPEC Daly Sinclair HZNTL
A13-24-11-27		9648	565.0 - 1800.0	1853.2 - 5904.0	3	Tundra Virden HZNTL	
D3	13-23-12-27	9809	150.0 - 619.0	492.0 - 2030.3	3	Tundra North Hargrave	
	12-25-09-29	9714	700.0 - 2390.0	2296.0 - 7839.2	5	Corex Daly Sinclair HZNTL	
	B05-25-09-29	9716	700.0 - 2396.0	2296.0 - 7858.9	4	Corex Daly Sinclair HZNTL	
	A12-25-09-29	9715	700.0 - 2450.0	2296.0 - 8036.0	5	Corex Daly Sinclair HZNTL	
D4	16-36-01-29	9777	850.0 - 1798.0	2788.0 - 5897.4	3	Melita Pierson HZNTL	
	B03-29-01-25	9152	750.0 - 1686.0	2460.0 - 5530.1	3	WestMan Waskada Prov. HZNTL	
	08-11-09-28	9500	670.0 - 2355.0	2197.6 - 7724.4	4	Corex Daly Sinclair Prov. HZNTL	
	A05-25-09-29	9549	740.0 - 2365.0	2427.2 - 7757.2	4	Corex Daly Sinclair HZNTL	
	A04-34-01-25	9401	915.0 - 1599.0	3001.2 - 5244.7	2	Waskada Unit No. 19 HZNTL	
	C16-15-01-25	9464	960.0 - 1602.0	3148.8 - 5254.6	2	EOG Waskada HZNTL	
267	A1	A16-21-01-25	8330	950.0 - 1691.0	3116.0 - 5546.5	2	EOG Waskada HZNTL
		01-06-09-28	10009	870.0 - 2320.0	2853.6 - 7609.6	4	Tundra Daly Sinclair Prov. HZNTL
		A08-36-09-29	9781	720.0 - 2371.0	2361.6 - 7776.9	4	Corex Daly Sinclair HZNTL
		10-24-10-26	9933	560.0 - 1530.5	1836.8 - 5020.0	3	Virden Roselea Unit No. 1 HZNTL
	A2	04-30-08-29	9973	850.0 - 2498.0	2788.0 - 8193.4	4	Tundra Daly Sinclair Prov. HZNTL
		11-03-02-25	9692	925.0 - 1624.0	3034.0 - 5326.7	2	EOG Waskada HZNTL
		08-21-01-28	9825	875.0 - 1279.0	2870.0 - 4195.1	2	Melita Pierson HZNTL
		04-22-09-28	10029	700.0 - 2358.0	2296.0 - 7734.2	4	Tundra et al Daly Sinclair HZNTL
		05-11-10-29	9994	700.0 - 2233.0	2296.0 - 7324.2	4	Tundra Daly Sinclair Prov. HZNTL
		03-08-13-28	9916	590.0 - 1262.0	1935.2 - 4139.4	2	Tundra Manson HZNTL
		14-06-11-25	9452	840.0 - 1561.5	2755.2 - 5121.7	3	Virden Roselea Unit No. 2 Prov. HZNTL

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
267	A3	03-13-10-29	9830	625.0 - 2008.0	2050.0 - 6586.2	4	Tundra Daly Sinclair HZNTL
		08-26-01-27	9604	156.0 - 2281.0	511.7 - 7481.7	7	Legacy Coulter HZNTL
		16-32-10-28	9850	615.0 - 2240.0	2017.2 - 7347.2	4	Tundra Daly Sinclair HZNTL
		14-03-02-25	9913	950.0 - 1674.0	3116.0 - 5490.7	2	Waskada Unit No. 17 HZNTL
	A4	C04-29-08-28	9683	850.0 - 2320.0	2788.0 - 7609.6	4	Tundra Daly Sinclair Prov. HZNTL
		13-22-09-28	9681	700.0 - 2356.0	2296.0 - 7727.7	4	Tundra Daly Sinclair HZNTL
		15-13-19-29	8717	385.0 - 561.0	1262.8 - 1840.1	2	Fort Calgary Binscarth
		A13-17-10-29	9554	840.0 - 2156.0	2755.2 - 7071.7	3	Tundra Daly Sinclair HZNTL
		13-05-16-27	9679	470.0 - 2036.0	1541.6 - 6678.1	4	Tundra Birdtail HZNTL
	B 2	04-11-10-29	9982	700.0 - 2211.0	2296.0 - 7252.1	4	Tundra Daly Sinclair Prov. HZNTL
	B1	A15-35-01-25	9905	910.0 - 1614.0	2984.8 - 5293.9	2	EOG Waskada HZNTL
		06-04-02-25	9928	930.0 - 1617.0	3050.4 - 5303.8	2	Waskada Unit No. 16 Prov. HZNTL
		B15-23-01-25	9926	950.0 - 1643.0	3116.0 - 5389.0	2	EOG et al Waskada HZNTL
		A15-23-01-25	9925	960.0 - 1672.0	3148.8 - 5484.2	2	EOG et al Waskada HZNTL
		B06-02-02-25	9869	945.0 - 1687.0	3099.6 - 5533.4	2	EOG Waskada HZNTL
		11-10-02-25	9844	950.0 - 1771.0	3116.0 - 5808.9	2	Waskada Unit No. 17 Prov. HZNTL
		09-29-16-27	8105	500.0 - 1499.0	1640.0 - 4916.7	3	Tundra Birdtail Prov. HZNTL
	B2	14-19-10-28	9965	710.0 - 1747.0	2328.8 - 5730.2	3	Tundra Daly Sinclair HZNTL
		A10-04-13-28	9938	575.0 - 1392.0	1886.0 - 4565.8	3	Tundra Manson Prov. HZNTL
		A16-18-10-28	10007	800.0 - 2077.0	2624.0 - 6812.6	3	Tundra Daly Sinclair HZNTL
08-09-16-27		9934	480.0 - 2031.0	1574.4 - 6661.7	4	Tundra Birdtail HZNTL	
B3	04-16-16-27	9942	690.0 - 1755.0	2263.2 - 5756.4	5	Kinwest 08 Mariner Birdtail HZNTL	
	04-16-16-27	9942	495.0 - 970.0	1623.6 - 3181.6	2	Kinwest 08 Mariner Birdtail HZNTL	
	04-16-16-27	9942	495.0 - 970.0	1623.6 - 3181.6	2	Kinwest 08 Mariner Birdtail HZNTL	
	14-32-01-28	10036	925.0 - 1719.0	3034.0 - 5638.3	2	618555 Pierson HZNTL	
	13-26-02-28	9816	900.0 - 2490.0	2952.0 - 8167.2	4	Red Beds Pierson HZNTL	
	A07-06-11-25	10054	505.0 - 748.0	1656.4 - 2453.4	1	Corex Virden Prov.	
	A07-06-11-25	10054	505.0 - 748.0	1656.4 - 2453.4	1	Corex Virden Prov.	
	07-10-13-27	9996	150.0 - 660.0	492.0 - 2164.8	3	Elcano Miniota	
04-16-16-27	9942	690.0 - 1755.0	2263.2 - 5756.4	5	Kinwest 08 Mariner Birdtail HZNTL		
B4	A15-23-07-29	9408	880.0 - 2550.0	2886.4 - 8364.0	7	Red River Daly Sinclair HZNTL	
	15-07-03-27	9665	785.0 - 1727.0	2574.8 - 5664.6	3	NAL Pierson HZNTL	
	04-25-09-29	9658	700.0 - 2491.0	2296.0 - 8170.5	5	Corex Daly Sinclair HZNTL	
	13-26-12-27	9836	145.0 - 620.0	475.6 - 2033.6	2	Tundra North Hargrave	
C1	14-13-09-28	9770	675.0 - 2343.0	2214.0 - 7685.0	4	Tundra Daly Sinclair HZNTL	
	02-23-06-27	9810	705.0 - 1630.0	2312.4 - 5346.4	7	Tundra South Reston HZNTL	
	14-12-10-29	10018	700.0 - 2050.0	2296.0 - 6724.0	4	Tundra Daly Sinclair HZNTL	
	02-23-06-27	9810	705.0 - 1630.0	2312.4 - 5346.4	7	Tundra South Reston HZNTL	
	02-23-06-27	9810	705.0 - 1630.0	2312.4 - 5346.4	7	Tundra South Reston HZNTL	
C2	A09-31-08-28	9753	850.0 - 2177.0	2788.0 - 7140.6	3	Tundra Daly Sinclair HZNTL	
	15-23-01-25	9924	960.0 - 1705.0	3148.8 - 5592.4	2	EOG et al Waskada HZNTL	
	A08-31-08-28	9752	870.0 - 2310.0	2853.6 - 7576.8	4	Tundra Daly Sinclair HZNTL	

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
267	C2	A12-18-09-29	10019	920.0 - 2342.0	3017.6 - 7681.8	3	Tundra Daly Sinclair HZNTL
		09-04-11-28	9439	650.0 - 2454.0	2132.0 - 8049.1	5	Corex Daly Sinclair Prov. HZNTL
	C3	01-05-08-29	9899	855.0 - 2510.0	2804.4 - 8232.8	4	Sinclair Unit No. 1 Prov. HZNTL
		14-25-01-29	9854	900.0 - 2052.0	2952.0 - 6730.6	3	618555 SK Pierson HZNTL
		A04-11-10-29	9983	800.0 - 2143.0	2624.0 - 7029.0	3	Tundra Daly Sinclair Prov. HZNTL
		A14-25-01-29	9889	900.0 - 2090.0	2952.0 - 6855.2	3	618555 SK Pierson HZNTL
		09-34-10-26	9987	600.0 - 2196.0	1968.0 - 7202.9	4	Tundra Virden HZNTL
	C4	04-05-02-27	10044	905.0 - 2203.0	2968.4 - 7225.8	3	Antler River Pierson HZNTL
		16-05-11-25	10023	500.0 - 1468.0	1640.0 - 4815.0	3	Virden Roselea Unit No. 2 HZNTL
		A16-05-11-25	10024	500.0 - 1311.0	1640.0 - 4300.1	3	Virden Roselea Unit No. 2 HZNTL
		14-31-12-26	9961	165.0 - 605.0	541.2 - 1984.4	2	Elcano Two Creeks
		11-34-10-26	9877	550.0 - 1433.0	1804.0 - 4700.2	3	Corex Virden Prov. HZNTL
		16-07-01-25	9774	850.0 - 1839.0	2788.0 - 6031.9	3	Waskada Unit No. 6 HZNTL
	D1	A15-09-02-25	9795	860.0 - 1552.0	2820.8 - 5090.6	3	EOG Waskada
		13-18-12-26	10043	167.0 - 700.0	547.8 - 2296.0	3	EverGro Two Creeks DIR
		04-19-12-26	10042	165.0 - 655.0	541.2 - 2148.4	3	EverGro Two Creeks
		A01-26-09-28	9647	765.0 - 2086.0	2509.2 - 6842.1	3	Tundra Daly Sinclair HZNTL
		01-09-16-27	8632	470.0 - 1573.0	1541.6 - 5159.4	3	Tundra Birdtail HZNTL
	D2	A11-23-10-26	9803	530.0 - 1409.0	1738.4 - 4621.5	3	Virden Roselea Unit No. 1 HZNTL
		A08-06-10-28	10010	810.0 - 2102.5	2656.8 - 6896.2	3	Tundra Daly Sinclair Prov. HZNTL
		A05-19-09-29	9974	885.0 - 2212.0	2902.8 - 7255.4	3	Tundra Daly Sinclair HZNTL
		12-05-16-27	10055	425.0 - 2031.0	1394.0 - 6661.7	4	Tundra Birdtail HZNTL
		01-01-10-29	9441	700.0 - 2401.0	2296.0 - 7875.3	4	Tundra Daly Sinclair HZNTL
D3	01-06-13-27	9935	550.0 - 2190.0	1804.0 - 7183.2	4	Tundra Miniota Prov. HZNTL	
	10-36-10-26	9820	500.0 - 1423.0	1640.0 - 4667.4	3	Virden Roselea Unit No. 2 HZNTL	
	11-33-09-28	10008	650.0 - 1560.0	2132.0 - 5116.8	3	Corex Daly Sinclair HZNTL	
	02-36-01-29	10027	930.0 - 1719.0	3050.4 - 5638.3	2	Melita Pierson HZNTL	
	01-14-14-29	9920	600.0 - 1445.0	1968.0 - 4739.6	3	Surge Manson HZNTL	
	09-12-13-27	9989	155.0 - 585.0	508.4 - 1918.8	2	Elcano Miniota	
D4	B15-35-01-25	9906	970.0 - 1685.0	3181.6 - 5526.8	2	EOG Waskada HZNTL	
	12-21-11-26	9936	570.0 - 1478.0	1869.6 - 4847.8	5	Tundra Virden HZNTL	
	A16-07-01-25	9775	850.0 - 1814.0	2788.0 - 5949.9	3	Waskada Unit No. 6 HZNTL	
	12-21-11-26	9936	570.0 - 1478.0	1869.6 - 4847.8	5	Tundra Virden HZNTL	
	16-26-01-25	9728	850.0 - 2530.0	2788.0 - 8298.4	4	Red Beds Waskada HZNTL	
	d4	07-25-06-22	9958	150.0 - 735.0	492.0 - 2410.8	3	Major Souris Hartney
268	A1	04-13-13-28	9219	150.0 - 695.0	492.0 - 2279.6	3	Tundra East Manson HZNTL
		04-21-17-28	8214	160.0 - 562.0	524.8 - 1843.4	2	Tundra St. Lazare HZNTL
		03-20-01-26	9705	165.0 - 977.0	541.2 - 3204.6	4	NAL et al Waskada
		04-13-13-28	9219	150.0 - 695.0	492.0 - 2279.6	3	Tundra East Manson HZNTL
		A08-23-08-28	9769	750.0 - 2281.0	2460.0 - 7481.7	4	Corval Daly Sinclair HZNTL
	A2	16-10-11-26	9912	500.0 - 1531.5	1640.0 - 5023.3	3	North Virden Scallion Unit No. 1 HZNTL

## Non Confidential Sample Cuttings by Section / Row

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
268	A2	09-31-16-27	9310	485.0 - 2053.0	1590.8 - 6733.8	4	Tundra Birdtail HZNTL
		13-26-12-28	9575	590.0 - 2225.0	1935.2 - 7298.0	7	CPEC Manson HZNTL
		07-25-10-26	9932	550.0 - 1621.0	1804.0 - 5316.9	3	Virden Roselea Unit No. 1 HZNTL
	A3	A16-24-09-28	9540	650.0 - 2337.0	2132.0 - 7665.4	5	Corex Daly Sinclair Prov. HZNTL
		A16-30-08-28	9685	840.0 - 2317.0	2755.2 - 7599.8	4	Tundra Daly Sinclair Prov. HZNTL
		09-22-09-29	9644	675.0 - 2424.0	2214.0 - 7950.7	5	Tundra Daly Sinclair HZNTL
		09-29-14-29	7779	150.0 - 692.0	492.0 - 2269.8	3	Tundra South McAuley Prov.
	A4	04-12-14-29	9022	140.0 - 672.5	459.2 - 2205.8	3	Fort Calgary South McAuley HZNTL
		04-12-14-29	9022	140.0 - 672.5	459.2 - 2205.8	3	Fort Calgary South McAuley HZNTL
		16-03-02-25	9693	905.0 - 1726.0	2968.4 - 5661.3	2	EOG Waskada HZNTL
		05-06-14-28	8552	425.0 - 2069.0	1394.0 - 6786.3	5	Fort Calgary Willen Prov. HZNTL
		09-29-08-29	8756	860.0 - 2542.0	2820.8 - 8337.8	4	Tundra Daly Sinclair Prov. HZNTL
		05-06-14-28	8552	425.0 - 2069.0	1394.0 - 6786.3	5	Fort Calgary Willen Prov. HZNTL
		05-06-14-28	8552	425.0 - 2069.0	1394.0 - 6786.3	5	Fort Calgary Willen Prov. HZNTL
		05-12-14-29	9302	500.0 - 2354.0	1640.0 - 7721.1	4	Fort Calgary South McAuley HZNTL
		04-12-14-29	9022	770.0 - 2141.0	2525.6 - 7022.5	3	Fort Calgary South McAuley HZNTL
	04-12-14-29	9022	770.0 - 2141.0	2525.6 - 7022.5	3	Fort Calgary South McAuley HZNTL	
	B 4	15-21-16-26	9287	150.0 - 623.0	492.0 - 2043.4	2	Tundra South Birtle Prov.
	B1	14-36-12-27	10094	145.0 - 695.0	475.6 - 2279.6	3	Elcano North Hargrave Prov.
		04-13-13-28	9219	550.0 - 2010.0	1804.0 - 6592.8	4	Tundra East Manson HZNTL
		04-13-13-28	9219	550.0 - 2010.0	1804.0 - 6592.8	4	Tundra East Manson HZNTL
		05-06-13-26	10078	145.0 - 587.0	475.6 - 1925.4	2	Elcano Miniota
		14-36-12-27	10094	145.0 - 695.0	475.6 - 2279.6	3	Elcano North Hargrave Prov.
		12-21-09-29	9839	675.0 - 2301.0	2214.0 - 7547.3	4	Tundra et al Daly Sinclair HZNTL
	B2	A16-19-08-28	9703	875.0 - 2340.0	2870.0 - 7675.2	4	Tundra Daly Sinclair HZNTL
		06-02-13-27	9689	150.0 - 660.0	492.0 - 2164.8	3	Elcano Miniota
		A13-10-02-25	9843	970.0 - 1774.0	3181.6 - 5818.7	2	Waskada Unit No. 16 Prov. HZNTL
B02-03-13-28		9656	575.0 - 2209.0	1886.0 - 7245.5	7	CPEC Manson HZNTL	
12-36-16-28		9151	150.0 - 580.0	492.0 - 1902.4	2	Tundra St. Lazare HZNTL	
12-36-16-28		9151	150.0 - 580.0	492.0 - 1902.4	2	Tundra St. Lazare HZNTL	
12-36-16-28		9151	475.0 - 1416.0	1558.0 - 4644.5	3	Tundra St. Lazare HZNTL	
12-36-16-28		9151	475.0 - 1416.0	1558.0 - 4644.5	3	Tundra St. Lazare HZNTL	
16-30-17-28	8676	150.0 - 557.0	492.0 - 1827.0	2	Tundra St. Lazare Prov. HZNTL		
B3	02-06-17-27	8642	480.0 - 1380.0	1574.4 - 4526.4	1	Tundra North Birdtail Prov. HZNTL	
	02-06-17-27	8642	980.0 - 1540.0	3214.4 - 5051.2	3	Tundra North Birdtail Prov. HZNTL	
	13-02-11-28	9353	600.0 - 2216.5	1968.0 - 7270.1	4	Tundra Elkhorn HZNTL	
	02-06-17-27	8642	480.0 - 1380.0	1574.4 - 4526.4	1	Tundra North Birdtail Prov. HZNTL	
	01-08-10-29	9666	675.0 - 2412.0	2214.0 - 7911.4	5	Tundra Daly Sinclair HZNTL	
	02-06-17-27	8642	980.0 - 1540.0	3214.4 - 5051.2	3	Tundra North Birdtail Prov. HZNTL	
	A04-29-08-28	8392	770.0 - 2427.0	2525.6 - 7960.6	4	Tundra Daly Sinclair Prov. HZNTL	
B4	11-20-08-28	9042	780.0 - 1620.0	2558.4 - 5313.6	3	Tundra Daly Sinclair Prov. HZNTL	
	06-03-13-27	9636	450.0 - 655.0	1476.0 - 2148.4	2	Elcano Miniota	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
268	B4	14-03-13-27	9650	450.0 - 625.0	1476.0 - 2050.0	1	Elcano Miniota
		B06-21-01-25	9725	895.0 - 1609.0	2935.6 - 5277.5	3	Waskada Unit No. 18 DIR WIW
		15-05-02-25	9831	940.0 - 1771.0	3083.2 - 5808.9	2	Waskada Unit No. 16 HZNTL
		01-30-09-28	9755	720.0 - 2230.0	2361.6 - 7314.4	4	Tundra Daly Sinclair HZNTL
	C1	15-24-16-28	8675	480.0 - 1799.0	1574.4 - 5900.7	3	Tundra St. Lazare HZNTL
		14-14-11-29	9638	745.0 - 2015.0	2443.6 - 6609.2	6	CPEC Daly Sinclair Prov. HZNTL
		03-19-08-29	8307	860.0 - 2518.5	2820.8 - 8260.7	4	Tundra et al Daly Sinclair HZNTL
		A16-21-08-28	9417	860.0 - 2317.0	2820.8 - 7599.8	4	Tundra et al Daly Sinclair HZNTL
	C2	16-21-12-27	9922	155.0 - 680.0	508.4 - 2230.4	3	Highmark North Hargrave
		A04-22-02-29	9672	990.0 - 2533.0	3247.2 - 8308.2	4	Red Beds et al Pierson Prov. HZNTL
		05-34-10-29	9537	700.0 - 2139.5	2296.0 - 7017.6	4	Tundra Daly Sinclair HZNTL
		04-36-12-27	10016	145.0 - 696.0	475.6 - 2282.9	3	Fire Sky North Hargrave
		04-36-12-27	10016	145.0 - 696.0	475.6 - 2282.9	3	Fire Sky North Hargrave
		12-17-03-28	10299	900.0 - 1906.0	2952.0 - 6251.7	3	North Pierson Unit No. 1 HZNTL
	C3	05-11-13-28	8786	560.0 - 2189.0	1836.8 - 7179.9	4	Tundra East Manson Prov. HZNTL
		05-11-13-28	8786	560.0 - 2189.0	1836.8 - 7179.9	4	Tundra East Manson Prov. HZNTL
		16-25-16-28	8145	420.0 - 1218.0	1377.6 - 3995.0	2	Tundra St. Lazare HZNTL
		A06-02-02-25	9722	940.0 - 1669.0	3083.2 - 5474.3	2	EOG Waskada HZNTL
		B09-23-08-28	9739	750.0 - 2302.0	2460.0 - 7550.6	4	Corval Daly Sinclair HZNTL
		A11-28-01-27	9798	980.0 - 1684.0	3214.4 - 5523.5	2	EOG Pierson HZNTL
	C4	02-22-09-29	9748	880.0 - 1938.0	2886.4 - 6356.6	3	Daly Unit No. 6 Prov. HZNTL
		A01-19-07-29	9962	830.0 - 2415.0	2722.4 - 7921.2	7	Red River Daly Sinclair HZNTL
		A11-03-02-25	9695	980.0 - 1699.0	3214.4 - 5572.7	2	EOG Waskada HZNTL
	D1	A03-19-07-29	9998	845.0 - 2617.0	2771.6 - 8583.8	8	Red River Daly Sinclair HZNTL
		A01-34-08-28	10077	850.0 - 2173.0	2788.0 - 7127.4	4	Tundra Daly Sinclair Prov. HZNTL
		06-11-11-26	9878	510.0 - 1562.0	1672.8 - 5123.4	3	North Virden Scallion Unit No. 1 HZNTL
08-12-11-26		9819	510.0 - 1435.0	1672.8 - 4706.8	3	Virden Roselea Unit No. 2 HZNTL	
A08-16-08-28		10032	865.0 - 2337.0	2837.2 - 7665.4	3	Tundra Daly Sinclair Prov. HZNTL	
A01-34-08-28		10077	850.0 - 2173.0	2788.0 - 7127.4	4	Tundra Daly Sinclair Prov. HZNTL	
01-16-10-28		9968	710.0 - 2235.0	2328.8 - 7330.8	4	Tundra Daly Sinclair HZNTL	
D2		02-19-16-27	8818	480.0 - 1312.0	1574.4 - 4303.4	2	Birdtail Unit No. 2 Prov. HZNTL
	15-08-13-28	9213	590.0 - 1382.0	1935.2 - 4533.0	2	Tundra East Manson HZNTL	
	16-35-16-28	9313	450.0 - 1250.0	1476.0 - 4100.0	4	Tundra St. Lazare HZNTL	
	14-17-16-27	8758	480.0 - 1211.0	1574.4 - 3972.1	2	Tundra Birdtail HZNTL	
	A14-09-02-24	9608	850.0 - 1674.0	2788.0 - 5490.7	2	Red Beds Waskada HZNTL	
	13-02-02-25	9721	980.0 - 1668.0	3214.4 - 5471.0	2	EOG Waskada HZNTL	
	16-35-16-28	9313	450.0 - 1250.0	1476.0 - 4100.0	4	Tundra St. Lazare HZNTL	
D3	07-01-13-27	9649	450.0 - 696.0	1476.0 - 2282.9	2	Elcano Miniota	
	15-18-16-27	9639	450.0 - 1246.0	1476.0 - 4086.9	2	Birdtail Unit No. 2 HZNTL	
	07-27-07-29	9823	850.0 - 2610.0	2788.0 - 8560.8	5	Tundra Daly Sinclair HZNTL	
	15-32-17-28	7726	150.0 - 552.0	492.0 - 1810.6	2	Tundra St. Lazare	
	01-24-10-29	9684	640.0 - 2390.0	2099.2 - 7839.2	5	Tundra Daly Sinclair Prov. HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
268	D3	11-24-10-29	9640	640.0 - 1531.0	2099.2 - 5021.7	3	Tundra Daly Sinclair HZNTL
	D4	07-11-15-29	9833	400.0 - 1223.0	1312.0 - 4011.4	4	Elcano McAuley Prov. HZNTL
		B14-09-02-24	9609	850.0 - 1699.0	2788.0 - 5572.7	3	Red Beds Waskada HZNTL
		09-16-01-24	9724	960.0 - 1627.0	3148.8 - 5336.6	2	EOG Waskada Prov. HZNTL
		A14-20-07-29	10001	830.0 - 2600.0	2722.4 - 8528.0	8	Red River Daly Sinclair HZNTL
269	A1	01-19-03-28	9821	850.0 - 2262.0	2788.0 - 7419.4	6	North Pierson Unit No. 1 HZNTL
		01-07-13-27	10127	150.0 - 760.0	492.0 - 2492.8	3	Tundra et al Miniota
		14-32-13-27	10116	150.0 - 826.0	492.0 - 2709.3	3	Tundra et al Miniota DIR
		06-30-13-27	10128	150.0 - 782.0	492.0 - 2565.0	3	Tundra et al Miniota HZNTL
		06-30-13-27	10128	150.0 - 782.0	492.0 - 2565.0	3	Tundra et al Miniota HZNTL
		01-19-03-28	9821	850.0 - 2262.0	2788.0 - 7419.4	6	North Pierson Unit No. 1 HZNTL
	A2	16-10-02-25	9945	930.0 - 1608.0	3050.4 - 5274.2	2	Waskada Unit No. 17 HZNTL
		12-18-11-29	9969	750.0 - 2265.0	2460.0 - 7429.2	4	Tundra Daly Sinclair HZNTL
		A09-01-09-29	10110	870.0 - 2333.0	2853.6 - 7652.2	4	Tundra Daly Sinclair HZNTL
		A08-04-10-29	9953	750.0 - 2435.0	2460.0 - 7986.8	4	Tundra Daly Sinclair Prov. HZNTL
		14-12-10-26	10053	570.0 - 1607.0	1869.6 - 5271.0	3	Virden Roselea Unit No. 3 HZNTL
	A3	12-18-11-29	9969	750.0 - 2265.0	2460.0 - 7429.2	4	Tundra Daly Sinclair HZNTL
		02-13-17-28	8221	160.0 - 602.0	524.8 - 1974.6	2	Tundra St. Lazare HZNTL
		C12-22-08-28	9950	725.0 - 2294.0	2378.0 - 7524.3	4	Corval Daly Sinclair HZNTL
		D12-22-08-28	10080	725.0 - 2295.0	2378.0 - 7527.6	4	Corval Daly Sinclair HZNTL
		A16-26-09-29	10067	840.0 - 2169.5	2755.2 - 7116.0	3	Tundra Daly Sinclair Prov. HZNTL
	A4	B04-33-08-28	9896	750.0 - 2290.0	2460.0 - 7511.2	4	Corval Daly Sinclair HZNTL
		03-16-07-29	9966	810.0 - 2617.0	2656.8 - 8583.8	8	Red River Daly Sinclair HZNTL
		08-18-16-27	7713	400.0 - 555.0	1312.0 - 1820.4	1	Tundra Birdtail Prov.
	B1	A13-18-07-29	9999	830.0 - 2610.0	2722.4 - 8560.8	8	Red River Daly Sinclair Prov. HZNTL
		04-11-11-29	10135	790.0 - 2170.0	2591.2 - 7117.6	6	CPEC Daly Sinclair Prov. HZNTL
		08-04-10-29	9952	865.0 - 2314.0	2837.2 - 7589.9	3	Tundra et al Daly Sinclair Prov. HZNTL
	B2	16-36-12-28	10153	580.0 - 2039.0	1902.4 - 6687.9	6	CPEC Manson HZNTL
		12-18-11-29	9969	145.0 - 889.0	475.6 - 2915.9	4	Tundra Daly Sinclair HZNTL
		05-16-09-29	9984	780.0 - 2452.0	2558.4 - 8042.6	4	Tundra Daly Sinclair HZNTL
		A05-15-02-25	9914	910.0 - 1692.0	2984.8 - 5549.8	2	Waskada Unit No. 17 HZNTL
		10-17-09-28	9838	735.0 - 2288.0	2410.8 - 7504.6	4	Corval Daly Sinclair HZNTL
	B3	12-18-11-29	9969	145.0 - 889.0	475.6 - 2915.9	4	Tundra Daly Sinclair HZNTL
		04-09-02-25	9929	985.0 - 1842.0	3230.8 - 6041.8	3	Waskada Unit No. 16 HZNTL
04-04-13-28		10082	590.0 - 1977.0	1935.2 - 6484.6	6	CPEC East Manson HZNTL	
B4	A07-08-13-28	9802	600.0 - 1500.0	1968.0 - 4920.0	4	CPEC Manson HZNTL	
	01-05-13-28	10060	600.0 - 2203.0	1968.0 - 7225.8	7	CPEC East Manson HZNTL	
B4	11-28-01-27	9797	1020.0 - 1753.0	3345.6 - 5749.8	2	EOG Pierson HZNTL	
	05-11-13-28	8786	150.0 - 764.0	492.0 - 2505.9	3	Tundra East Manson Prov. HZNTL	
	05-11-13-28	8786	150.0 - 764.0	492.0 - 2505.9	3	Tundra East Manson Prov. HZNTL	
	06-36-16-28	8136	480.0 - 1344.0	1574.4 - 4408.3	3	Tundra St. Lazare HZNTL	



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269	B4	04-32-07-29	8783	885.0 - 2410.0	2902.8 - 7904.8	4	Tundra Daly Sinclair HZNTL
		06-36-16-28	8136	385.0 - 590.0	1262.8 - 1935.2	1	Tundra St. Lazare HZNTL
		06-36-16-28	8136	385.0 - 590.0	1262.8 - 1935.2	1	Tundra St. Lazare HZNTL
		09-25-16-28	8153	480.0 - 1224.0	1574.4 - 4014.7	2	Tundra St. Lazare HZNTL
		15-18-14-26	7777	150.0 - 607.0	492.0 - 1991.0	2	Tundra North Miniota
		06-36-16-28	8136	480.0 - 1344.0	1574.4 - 4408.3	3	Tundra St. Lazare HZNTL
	C1	13-32-12-28	9814	600.0 - 2086.0	1968.0 - 6842.1	6	Fire Sky Manson HZNTL
		02-26-01-25	9866	930.0 - 1623.0	3050.4 - 5323.4	2	EOG Waskada HZNTL
		A03-13-14-29	9861	550.0 - 2115.0	1804.0 - 6937.2	7	CPEC Manson HZNTL
	C2	09-08-09-28	9845	760.0 - 2272.0	2492.8 - 7452.2	4	Tundra Daly Sinclair HZNTL
		13-05-11-25	9879	510.0 - 1544.0	1672.8 - 5064.3	3	Virden Roselea Unit No. 2 HZNTL
		05-33-08-28	9900	750.0 - 2396.0	2460.0 - 7858.9	4	Corval Daly Sinclair HZNTL
		04-14-02-25	9857	920.0 - 1695.0	3017.6 - 5559.6	2	Waskada Unit No. 17 HZNTL
		04-28-09-29	9951	790.0 - 2420.0	2591.2 - 7937.6	4	Tundra Daly Sinclair Prov. HZNTL
	C3	10-07-13-28	9807	590.0 - 2040.0	1935.2 - 6691.2	6	CPEC Manson HZNTL
		13-35-12-28	9799	580.0 - 2173.0	1902.4 - 7127.4	7	CPEC Manson HZNTL
		A10-09-02-25	9944	925.0 - 1708.0	3034.0 - 5602.2	2	Waskada Unit No. 16 HZNTL
		B03-02-02-25	10038	950.0 - 1678.0	3116.0 - 5503.8	2	EOG Waskada HZNTL
	C4	01-09-09-28	8295	710.0 - 2222.0	2328.8 - 7288.2	4	Tundra Daly Sinclair HZNTL
		12-07-08-28	8974	750.0 - 2345.0	2460.0 - 7691.6	4	Tundra Daly Sinclair HZNTL
		13-25-09-29	9711	700.0 - 2334.0	2296.0 - 7655.5	4	Corex Daly Sinclair HZNTL
		11-35-16-28	7950	451.0 - 1120.0	1479.3 - 3673.6	2	Tundra St. Lazare HZNTL
		08-06-17-27	9137	500.0 - 1734.0	1640.0 - 5687.5	3	Tundra North Birdtail Prov. HZNTL
	D1	02-34-09-26	10045	500.0 - 837.0	1640.0 - 2745.4	2	Corex Virden
		A12-09-10-28	10147	500.0 - 2467.5	1640.0 - 8093.4	6	Corex Daly Sinclair HZNTL
		08-05-13-28	10066	600.0 - 2291.0	1968.0 - 7514.5	7	CPEC Manson HZNTL
D2	15-04-03-29	10064	800.0 - 1837.0	2624.0 - 6025.4	3	NAL Pierson HZNTL	
	A16-01-09-29	10119	850.0 - 2319.0	2788.0 - 7606.3	4	Tundra Daly Sinclair HZNTL	
	08-15-09-29	10011	780.0 - 2332.0	2558.4 - 7649.0	4	Tundra Daly Sinclair Prov. HZNTL	
	05-23-12-27	10049	445.0 - 833.0	1459.6 - 2732.2	2	Tundra North Hargrave DIR	
	13-07-09-28	10111	765.0 - 2397.5	2509.2 - 7863.8	4	Tundra et al Daly Sinclair HZNTL	
D3	06-02-11-26	9911	500.0 - 1743.0	1640.0 - 5717.0	4	North Virden Scallion Unit No. 1 HZNTL	
	A01-09-02-25	9835	925.0 - 1836.0	3034.0 - 6022.1	2	Waskada Unit No. 16 HZNTL	
	A07-15-02-25	10085	950.0 - 2141.0	3116.0 - 7022.5	3	Waskada Unit No. 17 HZNTL	
	05-09-13-28	9859	570.0 - 1363.0	1869.6 - 4470.6	4	CPEC Manson HZNTL	
	04-10-02-25	9915	925.0 - 1700.0	3034.0 - 5576.0	2	Waskada Unit No. 16 Prov. HZNTL	
	11-04-02-25	9949	970.0 - 1720.0	3181.6 - 5641.6	2	Waskada Unit No. 16 Prov. HZNTL	
D4	13-07-08-28	8963	750.0 - 2470.0	2460.0 - 8101.6	4	Tundra Daly Sinclair HZNTL	
	01-21-19-28	8643	140.0 - 572.0	459.2 - 1876.2	2	Fort Calgary Binscarth	
	11-11-13-28	9221	560.0 - 2278.0	1836.8 - 7471.8	4	Tundra East Manson Prov. HZNTL	
	12-31-13-27	8864	135.0 - 636.0	442.8 - 2086.1	3	Fort Calgary Miniota	
	10-24-16-28	9112	460.0 - 1848.0	1508.8 - 6061.4	4	Tundra St. Lazare HZNTL	

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270	A1	A01-21-03-28	9822	900.0 - 2545.0	2952.0 - 8347.6	4	North Pierson Unit No. 1 HZNTL
		02-21-01-27	9800	600.0 - 1711.0	1968.0 - 5612.1	4	Melita Pierson HZNTL
		02-29-01-25	10223	800.0 - 1649.0	2624.0 - 5408.7	3	NAL Waskada Prov. HZNTL
		15-29-01-25	10224	790.0 - 1664.0	2591.2 - 5457.9	3	NAL Waskada Prov. HZNTL
		04-12-10-26	10204	540.0 - 1524.0	1771.2 - 4998.7	3	Virден Roselea Unit No. 3 HZNTL
	A2	16-36-09-26	9876	560.0 - 1379.0	1836.8 - 4523.1	3	Corex Virден HZNTL
		15-27-08-28	10185	650.0 - 2083.0	2132.0 - 6832.2	4	Corex Daly Sinclair HZNTL
		12-04-10-28	10175	550.0 - 2356.0	1804.0 - 7727.7	5	Corex Daly Sinclair HZNTL
		13-36-12-28	10152	575.0 - 726.0	1886.0 - 2381.3	1	CPEC Manson
		11-20-10-25	10222	555.0 - 1896.0	1820.4 - 6218.9	4	Virден Roselea Unit No. 1 HZNTL
	A3	A05-16-09-29	9985	865.0 - 2330.0	2837.2 - 7642.4	4	Tundra Daly Sinclair HZNTL
		B02-26-01-25	9868	970.0 - 1696.0	3181.6 - 5562.9	2	EOG Waskada HZNTL
		08-03-09-29	10017	900.0 - 2353.0	2952.0 - 7717.8	4	Tundra Daly Sinclair HZNTL
		02-01-11-27	10013	575.0 - 848.0	1886.0 - 2781.4	2	Corex Virден
		A13-26-08-28	10056	720.0 - 2274.0	2361.6 - 7458.7	4	Corval et al Daly Sinclair HZNTL
	A02-26-01-25	9867	940.0 - 1645.0	3083.2 - 5395.6	2	EOG Waskada HZNTL	
	A4	A04-14-02-25	9858	920.0 - 1695.0	3017.6 - 5559.6	2	Waskada Unit No. 17 HZNTL
		A02-33-01-24	10225	875.0 - 1550.0	2870.0 - 5084.0	2	Red Beds Waskada HZNTL
		04-01-17-28	9918	720.0 - 1800.0	2361.6 - 5904.0	3	Tundra Birdtail HZNTL
		04-01-17-28	9918	720.0 - 1800.0	2361.6 - 5904.0	3	Tundra Birdtail HZNTL
		04-01-17-28	9918	475.0 - 1916.0	1558.0 - 6284.5	4	Tundra Birdtail HZNTL
		04-01-17-28	9918	475.0 - 1916.0	1558.0 - 6284.5	4	Tundra Birdtail HZNTL
	B10-23-01-25	10041	970.0 - 1701.0	3181.6 - 5579.3	2	EOG et al Waskada HZNTL	
	A43	A05-10-10-28	10034	670.0 - 1644.5	2197.6 - 5394.0	3	Daly Unit No. 1 HZNTL
	B1	12-24-10-29	10062	140.0 - 1215.0	459.2 - 3985.2	5	Tundra Daly Sinclair
		05-31-12-26	9674	150.0 - 726.0	492.0 - 2381.3	3	Elcano Two Creeks DIR
		A09-05-11-25	10026	500.0 - 1413.0	1640.0 - 4634.6	3	Virден Roselea Unit No. 2 HZNTL
11-32-16-27		9751	424.0 - 1233.0	1390.7 - 4044.2	3	Tundra Birdtail Prov. HZNTL	
04-36-02-29		9663	850.0 - 1772.0	2788.0 - 5812.2	3	NAL Pierson Prov. HZNTL	
B2	06-16-08-29	10087	820.0 - 1055.0	2689.6 - 3460.4	1	Sinclair Unit No. 1 DIR	
	B04-25-09-29	9660	720.0 - 2391.0	2361.6 - 7842.5	4	Corex Daly Sinclair HZNTL	
	16-30-16-27	8108	480.0 - 1218.0	1574.4 - 3995.0	2	Tundra Birdtail HZNTL	
	05-02-10-28	10196	650.0 - 2027.5	2132.0 - 6650.2	4	Daly Unit No. 3 HZNTL	
	01-15-09-29	10176	780.0 - 2324.0	2558.4 - 7622.7	4	Tundra Daly Sinclair Prov. HZNTL	
	03-23-12-27	10048	420.0 - 665.0	1377.6 - 2181.2	2	Tundra North Hargrave DIR	
B3	14-05-01-23	10113	160.0 - 1790.0	524.8 - 5871.2	6	NAL Goodlands HZNTL	
	14-05-01-23	10113	160.0 - 1790.0	524.8 - 5871.2	6	NAL Goodlands HZNTL	
	01-29-11-26	9826	1080.0 - 1354.0	3542.4 - 4441.1	1	Tundra Virден Prov. HZNTL	
	01-29-11-26	9826	1080.0 - 1354.0	3542.4 - 4441.1	1	Tundra Virден Prov. HZNTL	
	01-29-11-26	9826	600.0 - 1952.0	1968.0 - 6402.6	4	Tundra Virден Prov. HZNTL	
	A08-27-10-26	10136	560.0 - 1968.5	1836.8 - 6456.7	5	Tundra Virден HZNTL	
	A08-27-10-26	10136	560.0 - 1968.5	1836.8 - 6456.7	5	Tundra Virден HZNTL	

## Non Confidential Sample Cuttings by Section / Row

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
270	B3	A08-05-09-29	9765	905.0 - 2226.0	2968.4 - 7301.3	3	Tundra Daly Sinclair HZNTL
		01-29-11-26	9826	600.0 - 1952.0	1968.0 - 6402.6	4	Tundra Virden Prov. HZNTL
		A08-27-10-26	10136	560.0 - 1968.5	1836.8 - 6456.7	5	Tundra Virden HZNTL
	B4	12-03-10-28	10100	660.0 - 1703.0	2164.8 - 5585.8	3	Daly Unit No. 1 HZNTL
		13-24-10-26	10122	550.0 - 1620.0	1804.0 - 5313.6	3	Virden Roselea Unit No. 1 HZNTL
		B06-29-01-25	10219	810.0 - 1670.0	2656.8 - 5477.6	3	NAL Waskada Prov. HZNTL
		05-18-10-25	10124	530.0 - 1727.0	1738.4 - 5664.6	3	Virden Roselea Unit No. 3 HZNTL
		10-23-01-25	10039	950.0 - 1710.0	3116.0 - 5608.8	2	EOG et al Waskada HZNTL
		09-33-01-24	10206	850.0 - 1300.0	2788.0 - 4264.0	2	Red Beds Waskada HZNTL
		09-33-01-24	10206	850.0 - 1300.0	2788.0 - 4264.0	2	Red Beds Waskada HZNTL
	C1	16-13-07-29	9937	825.0 - 2407.0	2706.0 - 7895.0	4	Sinclair Unit No. 2 HZNTL
		A06-29-01-25	10218	810.0 - 1689.0	2656.8 - 5539.9	3	NAL Waskada Prov. HZNTL
		10-09-02-25	9943	935.0 - 1718.0	3066.8 - 5635.0	2	Waskada Unit No. 16 HZNTL
		04-31-01-28	9847	1040.0 - 1708.0	3411.2 - 5602.2	2	EOG Pierson HZNTL
		06-29-01-25	10217	800.0 - 1650.0	2624.0 - 5412.0	3	NAL Waskada Prov. HZNTL
	C2	A16-28-08-28	10084	830.0 - 2129.0	2722.4 - 6983.1	3	Tundra et al Daly Sinclair HZNTL
		A04-32-08-28	10254	820.0 - 2150.0	2689.6 - 7052.0	3	Tundra et al Daly Sinclair HZNTL
		A04-16-08-29	9898	840.0 - 2570.0	2755.2 - 8429.6	4	Sinclair Unit No. 1 HZNTL
		10-09-03-21	10200	145.0 - 850.0	475.6 - 2788.0	3	Tundra Whitewater
		A04-25-09-29	9659	730.0 - 2390.0	2394.4 - 7839.2	4	Corex Daly Sinclair HZNTL
C3	04-04-03-29	9959	1050.0 - 1850.0	3444.0 - 6068.0	3	NAL Pierson HZNTL	
	16-27-12-27	10005	490.0 - 1960.0	1607.2 - 6428.8	6	Elcano North Hargrave HZNTL	
	07-11-10-26	9931	550.0 - 1539.0	1804.0 - 5047.9	3	Virden Roselea Unit No. 3 Prov. HZNTL	
	A12-11-10-28	10174	650.0 - 888.0	2132.0 - 2912.6	2	Daly Unit No. 3 Prov.	
	B15-27-08-28	10187	650.0 - 1998.5	2132.0 - 6555.1	4	Corex Daly Sinclair HZNTL	
C4	A12-28-09-25	10227	560.0 - 1600.0	1836.8 - 5248.0	3	Routledge Unit No. 1 HZNTL	
	10-08-02-24	10104	875.0 - 1672.5	2870.0 - 5485.8	2	Red Beds Waskada HZNTL	
	12-09-10-28	10146	810.0 - 2410.0	2656.8 - 7904.8	5	Corex Daly Sinclair HZNTL	
	09-05-10-29	9743	675.0 - 2442.0	2214.0 - 8009.8	5	Tundra Daly Sinclair Prov. HZNTL	
	12-09-13-28	9862	580.0 - 1346.0	1902.4 - 4414.9	4	CPEC Manson HZNTL	
271	A1	09-31-02-28	10114	975.0 - 2503.0	3198.0 - 8209.8	4	Red Beds Pierson HZNTL
		08-11-10-28	10172	650.0 - 1922.0	2132.0 - 6304.2	4	Daly Unit No. 3 Prov. HZNTL
		12-30-14-26	7763	150.0 - 595.0	492.0 - 1951.6	2	Tundra Arrow River
		08A-01-17-28	7680	470.0 - 1217.0	1541.6 - 3991.8	2	Tundra St. Lazare HZNTL
		A12-02-09-28	10170	760.0 - 2445.0	2492.8 - 8019.6	5	Corex Daly Sinclair HZNTL
	A2	B09-05-09-29	10073	875.0 - 2258.0	2870.0 - 7406.2	3	Tundra Daly Sinclair HZNTL
		A12-07-09-29	10004	875.0 - 2347.0	2870.0 - 7698.2	4	Tundra Daly Sinclair HZNTL
		13-09-08-28	10255	845.0 - 2301.5	2771.6 - 7548.9	3	Tundra Daly Sinclair HZNTL
		15-22-01-27	9794	1050.0 - 1750.0	3444.0 - 5740.0	2	EOG Pierson HZNTL
		A11-20-08-28	9704	870.0 - 1500.0	2853.6 - 4920.0	2	Tundra Daly Sinclair Prov. HZNTL
	A3	A08-08-09-29	10002	875.0 - 2223.0	2870.0 - 7291.4	3	Tundra Daly Sinclair HZNTL
		08-23-18-29	10121	145.0 - 565.0	475.6 - 1853.2	2	Tundra Gambler HZNTL

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
271	A3	08-23-18-29	10121	420.0 - 1187.0	1377.6 - 3893.4	2	Tundra Gambler HZNTL
		08-23-18-29	10121	420.0 - 1187.0	1377.6 - 3893.4	2	Tundra Gambler HZNTL
		08-23-18-29	10121	145.0 - 565.0	475.6 - 1853.2	2	Tundra Gambler HZNTL
		A02-12-11-26	10028	500.0 - 683.0	1640.0 - 2240.2	1	Virден Roselea Unit No. 2
		01-23-12-27	10250	430.0 - 850.0	1410.4 - 2788.0	2	Tundra North Hargrave DIR
		12-24-13-28	10130	520.0 - 2149.0	1705.6 - 7048.7	4	Tundra Manson Prov. HZNTL
		08-26-12-27	10107	480.0 - 824.0	1574.4 - 2702.7	2	Tundra North Hargrave DIR
		08-34-19-29	10205	145.0 - 569.0	475.6 - 1866.3	2	Tundra Binscarth
		06-30-13-27	10128	450.0 - 795.0	1476.0 - 2607.6	2	Tundra et al Miniota HZNTL
	06-30-13-27	10128	450.0 - 795.0	1476.0 - 2607.6	2	Tundra et al Miniota HZNTL	
	A4	A08-01-09-29	10070	870.0 - 2182.0	2853.6 - 7157.0	3	Tundra et al Daly Sinclair HZNTL
		A04-05-09-28	9617	835.0 - 2142.5	2738.8 - 7027.4	3	Tundra et al Daly Sinclair HZNTL
		A16-36-01-29	10253	650.0 - 1880.0	2132.0 - 6166.4	4	Melita Pierson HZNTL
		01-34-10-29	9382	760.0 - 2181.0	2492.8 - 7153.7	4	Tundra Daly Sinclair Prov. HZNTL
		06-10-09-28	9641	675.0 - 1860.0	2214.0 - 6100.8	3	Tundra Daly Sinclair HZNTL
	B1	A12-03-10-28	10101	660.0 - 1698.5	2164.8 - 5571.1	3	Daly Unit No. 1 HZNTL
		A16-34-08-28	9956	1620.0 - 2250.0	5313.6 - 7380.0	2	Ewart Unit No. 5 Prov. HZNTL
		A16-34-08-28	9956	1620.0 - 2250.0	5313.6 - 7380.0	2	Ewart Unit No. 5 Prov. HZNTL
		A16-34-08-28	9956	735.0 - 2132.0	2410.8 - 6993.0	4	Ewart Unit No. 5 Prov. HZNTL
		A16-34-08-28	9956	735.0 - 2132.0	2410.8 - 6993.0	4	Ewart Unit No. 5 Prov. HZNTL
		04-01-11-29	9618	675.0 - 2381.0	2214.0 - 7809.7	5	Tundra Daly Sinclair HZNTL
	B2	01-04-16-27	10050	425.0 - 1674.0	1394.0 - 5490.7	3	Tundra et al Birdtail Prov. HZNTL
		B16-34-08-28	10273	810.0 - 2120.0	2656.8 - 6953.6	3	Tundra Daly Sinclair Prov. HZNTL
		B08-14-08-29	10286	895.0 - 2181.0	2935.6 - 7153.7	3	Tundra Daly Sinclair Prov. HZNTL
		04-35-07-29	9908	845.0 - 2475.0	2771.6 - 8118.0	4	Sinclair Unit No. 11 HZNTL
		A16-10-08-28	10249	825.0 - 2159.0	2706.0 - 7081.5	3	Tundra Daly Sinclair HZNTL
	B3	A06-14-08-28	10278	850.0 - 2306.0	2788.0 - 7563.7	4	Tundra Daly Sinclair Prov. HZNTL
		A09-08-09-28	10159	800.0 - 2154.5	2624.0 - 7066.8	3	Tundra Daly Sinclair HZNTL
		06-11-08-28	9986	770.0 - 1646.0	2525.6 - 5398.9	3	Tundra Daly Sinclair Prov. HZNTL
		12-24-12-27	10154	160.0 - 630.0	524.8 - 2066.4	2	Highmark North Hargrave
		A16-08-09-29	10000	875.0 - 2213.0	2870.0 - 7258.6	3	Tundra Daly Sinclair HZNTL
	B4	A01-01-09-29	10071	870.0 - 2187.0	2853.6 - 7173.4	3	Tundra et al Daly Sinclair HZNTL
		04-25-12-27	10106	140.0 - 715.0	459.2 - 2345.2	3	Highmark North Hargrave
05-31-09-29		9828	875.0 - 2180.0	2870.0 - 7150.4	3	Tundra et al Daly Sinclair HZNTL	
A13-02-09-29		9964	850.0 - 2172.0	2788.0 - 7124.2	3	Tundra Daly Sinclair Prov. HZNTL	
06-34-09-28		10168	680.0 - 1918.0	2230.4 - 6291.0	3	Daly Unit No. 4 HZNTL	
C1	A08-28-08-28	9971	835.0 - 2157.0	2738.8 - 7075.0	3	Tundra Daly Sinclair Prov. HZNTL	
	01-29-09-29	9552	675.0 - 2335.0	2214.0 - 7658.8	5	Tundra Daly Sinclair Prov. HZNTL	
	15-08-02-24	10105	850.0 - 1662.0	2788.0 - 5451.4	2	Red Beds Waskada HZNTL	
	08-24-13-28	9750	165.0 - 682.0	541.2 - 2237.0	3	Tundra Manson Prov. HZNTL Tundra Manson Prov.	
	A10-09-02-24	10021	875.0 - 1681.0	2870.0 - 5513.7	2	Red Beds Waskada HZNTL	

**Non Confidential Sample Cuttings**  
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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
271	C1	10-09-02-24	10020	950.0 - 1699.0	3116.0 - 5572.7	2	Red Beds Waskada HZNTL
		11-10-02-24	7272	935.0 - 1427.0	3066.8 - 4680.6	2	Petrobakken Waskada HZNTL
		05-09-02-25	9930	920.0 - 1723.0	3017.6 - 5651.4	2	Waskada Unit No. 16 HZNTL
		B10-09-02-24	10022	875.0 - 1668.0	2870.0 - 5471.0	2	Red Beds Waskada HZNTL
		11-10-02-24	7272	935.0 - 1427.0	3066.8 - 4680.6	2	Petrobakken Waskada HZNTL
		11-10-02-24	7272	380.0 - 1329.8	1246.4 - 4361.7	2	Petrobakken Waskada HZNTL
		11-10-02-24	7272	380.0 - 1329.8	1246.4 - 4361.7	2	Petrobakken Waskada HZNTL
	C2	A01-13-08-29	10242	800.0 - 2499.0	2624.0 - 8196.7	4	Sinclair Unit No. 12 HZNTL
		15-20-08-28	9977	700.0 - 1675.0	2296.0 - 5494.0	3	Corex Daly Sinclair Prov. HZNTL
		13-32-17-28	8220	445.0 - 1185.0	1459.6 - 3886.8	2	Tundra St. Lazare HZNTL
		13-32-17-28	8220	445.0 - 1185.0	1459.6 - 3886.8	2	Tundra St. Lazare HZNTL
		13-32-17-28	8220	160.0 - 578.0	524.8 - 1895.8	2	Tundra St. Lazare HZNTL
		13-32-17-28	8220	160.0 - 578.0	524.8 - 1895.8	2	Tundra St. Lazare HZNTL
		A13-36-08-29	9758	850.0 - 2175.0	2788.0 - 7134.0	3	Tundra Daly Sinclair Prov. HZNTL
		A15-20-08-28	9978	720.0 - 1550.0	2361.6 - 5084.0	3	Corex Daly Sinclair Prov. HZNTL
	C3	14-09-02-24	9607	950.0 - 1680.0	3116.0 - 5510.4	2	Red Beds Waskada HZNTL
		A01-15-09-29	10177	870.0 - 2198.0	2853.6 - 7209.4	3	Tundra Daly Sinclair Prov. HZNTL
		A12-07-08-28	10202	790.0 - 2477.0	2591.2 - 8124.6	4	Sinclair Unit No. 12 HZNTL
		A09-04-09-28	10181	830.0 - 2274.5	2722.4 - 7460.4	4	Tundra Daly Sinclair HZNTL
	C4	A12-24-10-26	10123	550.0 - 1659.0	1804.0 - 5441.5	3	Viriden Roselea Unit No. 1 HZNTL
		A10-23-01-25	10040	950.0 - 1636.0	3116.0 - 5366.1	2	EOG et al Waskada HZNTL
		08-34-10-26	10160	590.0 - 2162.0	1935.2 - 7091.4	4	Tundra Viriden Prov. HZNTL
		03-34-09-28	10167	680.0 - 2024.0	2230.4 - 6638.7	4	Daly Unit No. 4 HZNTL
		12-22-13-27	10126	460.0 - 630.0	1508.8 - 2066.4	1	Elcano Miniota DIR
		12-22-13-27	10126	150.0 - 2180.0	492.0 - 7150.4	4	Elcano Miniota DIR
	D1	A05-35-09-29	10281	865.0 - 2332.0	2837.2 - 7649.0	4	Tundra et al Daly Sinclair HZNTL
		02-22-10-29	9632	740.0 - 2355.0	2427.2 - 7724.4	4	Tundra Daly Sinclair Prov. HZNTL
05-35-09-29		10280	710.0 - 2410.0	2328.8 - 7904.8	5	Tundra et al Daly Sinclair HZNTL	
14-26-08-28		9841	760.0 - 2277.0	2492.8 - 7468.6	4	Corval et al Daly Sinclair HZNTL	
D2	12-02-09-28	10169	680.0 - 2483.0	2230.4 - 8144.2	5	Corex Daly Sinclair HZNTL	
	A09-21-08-28	9954	880.0 - 2260.0	2886.4 - 7412.8	3	Tundra et al Daly Sinclair HZNTL	
	A08-04-09-28	10188	830.0 - 2293.5	2722.4 - 7522.7	4	Tundra Daly Sinclair HZNTL	
	B12-02-09-28	10171	750.0 - 2459.0	2460.0 - 8065.5	5	Corex Daly Sinclair HZNTL	
D3	A05-05-09-28	10199	830.0 - 2126.0	2722.4 - 6973.3	3	Tundra et al Daly Sinclair HZNTL	
	A13-05-09-28	10216	820.0 - 2277.0	2689.6 - 7468.6	4	Tundra et al Daly Sinclair HZNTL	
	13-33-08-29	10006	870.0 - 2359.0	2853.6 - 7737.5	4	Tundra Daly Sinclair HZNTL	
	A09-13-08-29	10198	800.0 - 2494.0	2624.0 - 8180.3	4	Sinclair Unit No. 12 HZNTL	
	A12-05-08-28	10220	800.0 - 2486.0	2624.0 - 8154.1	4	Sinclair Unit No. 12 HZNTL	
	11-08-08-29	10086	850.0 - 1078.5	2788.0 - 3537.5	2	Sinclair Unit No. 1	
D4	02-19-13-27	10207	540.0 - 1683.0	1771.2 - 5520.2	3	Tundra et al Miniota HZNTL	
	A13-22-09-28	10266	785.0 - 2252.0	2574.8 - 7386.6	4	Tundra Daly Sinclair HZNTL	
	A05-26-10-29	10272	810.0 - 2123.0	2656.8 - 6963.4	3	Tundra Daly Sinclair HZNTL	

**Non Confidential Sample Cuttings**  
by  
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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
271	D4	04-26-12-27	10189	510.0 - 1030.0	1672.8 - 3378.4	3	Tundra North Hargrave
		06-34-13-27	10074	150.0 - 685.0	492.0 - 2246.8	3	Tundra et al Miniota
		10-26-18-29	10061	370.0 - 570.0	1213.6 - 1869.6	1	Tundra Gambler
		04-26-12-27	10189	510.0 - 1030.0	1672.8 - 3378.4	3	Tundra North Hargrave
272	A1	02-20-12-27	10307	150.0 - 690.0	492.0 - 2263.2	3	Elcano North Hargrave Prov.
		15-35-12-27	10306	500.0 - 2060.0	1640.0 - 6756.8	4	Elcano North Hargrave HZNTL
		07-32-12-27	10283	150.0 - 670.0	492.0 - 2197.6	3	Elcano North Hargrave Prov.
		13-02-06-28	10330	145.0 - 959.0	475.6 - 3145.5	5	Tundra South Linklater Prov.
	A2	A11-16-13-28	10248	575.0 - 1333.0	1886.0 - 4372.2	4	CPEC Manson Prov. HZNTL
		08-09-02-25	10037	1000.0 - 1852.0	3280.0 - 6074.6	2	Waskada Unit No. 16 HZNTL
		13-33-07-29	9325	840.0 - 2520.0	2755.2 - 8265.6	4	Sinclair Unit No. 8 HZNTL
		09-23-08-28	9675	750.0 - 2290.0	2460.0 - 7511.2	4	Corval Daly Sinclair HZNTL
		02-32-09-25	10316	610.0 - 1467.0	2000.8 - 4811.8	3	Routledge Unit No. 1 HZNTL
	A3	A03-15-13-28	9804	570.0 - 2067.0	1869.6 - 6779.8	6	CPEC Manson HZNTL
		05-36-12-28	10140	575.0 - 732.0	1886.0 - 2401.0	1	CPEC Manson
		12-06-11-25	10292	525.0 - 1509.0	1722.0 - 4949.5	3	Virden Roselea Unit No. 2 HZNTL
		05-35-12-28	10141	590.0 - 1895.0	1935.2 - 6215.6	6	CPEC Manson HZNTL
		A05-02-10-28	10137	650.0 - 882.0	2132.0 - 2893.0	1	Daly Unit No. 3
	A4	16-36-16-26	7753	150.0 - 610.0	492.0 - 2000.8	2	Tundra South Birtle
		A05-33-08-28	9901	725.0 - 2279.0	2378.0 - 7475.1	4	Corval Daly Sinclair HZNTL
		A15-35-08-28	10208	875.0 - 2479.0	2870.0 - 8131.1	4	Corval Daly Sinclair HZNTL
		06-27-08-28	10143	720.0 - 1693.0	2361.6 - 5553.0	3	Corval Daly Sinclair HZNTL
		A14-26-08-28	10138	730.0 - 2316.0	2394.4 - 7596.5	4	Corval et al Daly Sinclair HZNTL
	B1	04-14-13-27	10334	142.0 - 717.0	465.8 - 2351.8	3	Flushing Miniota Prov. DIR
12-07-13-26		10344	150.0 - 653.0	492.0 - 2141.8	3	Elcano Miniota	
A14-16-13-28		10246	550.0 - 1365.0	1804.0 - 4477.2	3	CPEC Manson Prov. HZNTL	
03-27-18-29		10328	155.0 - 2223.0	508.4 - 7291.4	6	Tundra Gambler Prov. HZNTL	
B2	14-29-10-28	10221	911.0 - 1607.0	2988.1 - 5271.0	2	Tundra Daly Sinclair Prov. HZNTL	
	14-33-12-27	10258	150.0 - 665.0	492.0 - 2181.2	3	Elcano North Hargrave Prov.	
	14-29-10-28	10221	911.0 - 1607.0	2988.1 - 5271.0	2	Tundra Daly Sinclair Prov. HZNTL	
	14-29-10-28	10221	690.0 - 1640.0	2263.2 - 5379.2	2	Tundra Daly Sinclair Prov. HZNTL	
	14-29-10-28	10221	690.0 - 1640.0	2263.2 - 5379.2	2	Tundra Daly Sinclair Prov. HZNTL	
	12-27-12-27	10325	145.0 - 848.0	475.6 - 2781.4	3	Elcano North Hargrave	
	A09-28-07-28	10319	800.0 - 2329.0	2624.0 - 7639.1	4	Tundra Daly Sinclair Prov. HZNTL	
	A08-34-08-28	10312	815.0 - 2132.0	2673.2 - 6993.0	3	Tundra Daly Sinclair HZNTL	
B3	11-16-13-28	10247	570.0 - 1456.0	1869.6 - 4775.7	4	CPEC Manson HZNTL	
	08-36-12-28	10287	590.0 - 2043.0	1935.2 - 6701.0	6	CPEC Manson HZNTL	
	05-17-13-28	10288	580.0 - 2136.0	1902.4 - 7006.1	7	CPEC Manson HZNTL	
B4	A05-27-08-28	10047	795.0 - 1786.0	2607.6 - 5858.1	3	Corval Daly Sinclair HZNTL	
	A16-03-02-25	9723	940.0 - 1665.0	3083.2 - 5461.2	2	EOG Waskada HZNTL	
	08-27-08-29	8209	830.0 - 2535.0	2722.4 - 8314.8	4	Sinclair Unit No. 6 HZNTL	
	08-21-10-29	8954	725.0 - 2413.0	2378.0 - 7914.6	4	Tundra Daly Sinclair HZNTL	

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Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
272	B4	05-27-08-29	9459	840.0 - 2405.0	2755.2 - 7888.4	4	Tundra Daly Sinclair HZNTL
	C 4	12-11-10-28	10269	650.0 - 2283.0	2132.0 - 7488.2	5	Daly Unit No. 3 Prov. HZNTL
	C1	09-26-18-29	10326	440.0 - 1215.0	1443.2 - 3985.2	2	Tundra Gambler HZNTL
		05-29-16-27	10315	490.0 - 1604.0	1607.2 - 5261.1	3	Birdtail Unit No. 3 HZNTL
		01-09-13-27	10337	140.0 - 653.0	459.2 - 2141.8	3	Flushing Miniota
		11-13-09-28	9787	675.0 - 2340.0	2214.0 - 7675.2	4	Tundra Daly Sinclair HZNTL
		02-14-14-29	10309	575.0 - 1402.0	1886.0 - 4598.6	3	Tundra et al Manson HZNTL
	C2	05-32-08-28	10251	760.0 - 2257.0	2492.8 - 7403.0	4	Tundra et al Daly Sinclair HZNTL
		A05-32-08-28	10252	830.0 - 2144.0	2722.4 - 7032.3	3	Tundra et al Daly Sinclair HZNTL
		A03-28-09-29	10340	740.0 - 2420.0	2427.2 - 7937.6	4	Tundra et al Daly Sinclair Prov. HZNTL
		06-13-06-28	10331	600.0 - 959.0	1968.0 - 3145.5	2	Tundra South Linklater
		A09-27-07-29	9927	860.0 - 2480.0	2820.8 - 8134.4	4	Sinclair Unit No. 11 HZNTL
	C3	A09-08-09-29	9764	895.0 - 2214.0	2935.6 - 7261.9	3	Tundra Daly Sinclair HZNTL
		A03-03-13-28	9568	580.0 - 2188.0	1902.4 - 7176.6	7	CPEC Manson HZNTL
		08-08-10-29	9667	675.0 - 2416.0	2214.0 - 7924.5	5	Tundra Daly Sinclair HZNTL
		A04-31-01-28	9848	1070.0 - 1767.0	3509.6 - 5795.8	2	EOG Pierson HZNTL
	C4	16-29-09-25	10226	530.0 - 1446.0	1738.4 - 4742.9	3	Routledge Unit No. 1 Prov. HZNTL
		08-08-09-28	10270	720.0 - 2419.0	2361.6 - 7934.3	5	Corex Daly Sinclair Prov. HZNTL
		A15-27-08-28	10186	650.0 - 1980.0	2132.0 - 6494.4	4	Corex Daly Sinclair HZNTL
	D1	02-25-18-29	10332	145.0 - 589.0	475.6 - 1931.9	2	Tundra Gambler Prov. HZNTL
		08-20-13-27	10338	147.0 - 681.0	482.2 - 2233.7	3	Flushing Miniota DIR
		02-25-18-29	10332	440.0 - 1554.0	1443.2 - 5097.1	3	Tundra Gambler Prov. HZNTL
		02-25-18-29	10332	440.0 - 1554.0	1443.2 - 5097.1	3	Tundra Gambler Prov. HZNTL
		02-25-18-29	10332	145.0 - 589.0	475.6 - 1931.9	2	Tundra Gambler Prov. HZNTL
		A14-29-16-27	10313	490.0 - 1327.0	1607.2 - 4352.6	3	Birdtail Unit No. 3 HZNTL
		04-20-07-28	10214	805.0 - 2324.5	2640.4 - 7624.4	4	Ewart Unit No. 8 Prov. HZNTL
		A14-29-16-27	10313	490.0 - 1327.0	1607.2 - 4352.6	3	Birdtail Unit No. 3 HZNTL
	D2	B01-26-09-28	10303	690.0 - 2093.5	2263.2 - 6866.7	4	Tundra Daly Sinclair HZNTL
		05-09-09-28	10341	680.0 - 2352.0	2230.4 - 7714.6	5	Tundra Daly Sinclair Prov. HZNTL
		A12-30-10-28	10268	690.0 - 2009.0	2263.2 - 6589.5	3	Tundra Daly Sinclair Prov. HZNTL
		A12-30-10-28	10268	690.0 - 2009.0	2263.2 - 6589.5	3	Tundra Daly Sinclair Prov. HZNTL
		A12-30-10-28	10268	930.0 - 1974.0	3050.4 - 6474.7	3	Tundra Daly Sinclair Prov. HZNTL
		A12-30-10-28	10268	930.0 - 1974.0	3050.4 - 6474.7	3	Tundra Daly Sinclair Prov. HZNTL
		04-23-12-27	10339	400.0 - 825.0	1312.0 - 2706.0	2	Tundra North Hargrave HZNTL
	D3	02-27-07-29	9785	850.0 - 2414.0	2788.0 - 7917.9	4	Tundra Daly Sinclair HZNTL
		05-12-10-26	10238	540.0 - 1505.0	1771.2 - 4936.4	3	Viriden Roselea Unit No. 3 HZNTL
		13-07-11-29	9729	650.0 - 2412.0	2132.0 - 7911.4	5	Tundra Daly Sinclair HZNTL
		05-19-09-29	9544	675.0 - 2311.0	2214.0 - 7580.1	5	Tundra Daly Sinclair HZNTL
	D4	A10-22-08-28	10179	650.0 - 1995.0	2132.0 - 6543.6	4	Corex Daly Sinclair HZNTL
		13-31-01-28	9792	1040.0 - 1722.0	3411.2 - 5648.2	2	EOG Pierson HZNTL
		10-22-08-28	10178	650.0 - 2080.0	2132.0 - 6822.4	4	Corex Daly Sinclair HZNTL
		B10-22-08-28	10180	650.0 - 1995.0	2132.0 - 6543.6	4	Corex Daly Sinclair HZNTL

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272	D4	B11-23-10-26	10296	540.0 - 1449.0	1771.2 - 4752.7	3	Virden Roselea Unit No. 1 HZNTL
273	A1	03-06-18-28	9698	370.0 - 567.0	1213.6 - 1859.8	1	Tundra Chillon Prov. HZNTL
		14-04-01-25	8842	930.0 - 1674.0	3050.4 - 5490.7	2	EOG Waskada Prov. HZNTL
	A12-05-09-28	10091	800.0 - 2119.5	2624.0 - 6952.0	3	Tundra et al Daly Sinclair HZNTL	
	B01-05-09-29	10102	875.0 - 2233.0	2870.0 - 7324.2	3	Tundra Daly Sinclair HZNTL	
	10-03-02-25	9691	930.0 - 2044.0	3050.4 - 6704.3	3	EOG Waskada HZNTL	
	04-28-08-29	8210	830.0 - 2270.0	2722.4 - 7445.6	4	Sinclair Unit No. 6 HZNTL	
	14-21-14-28	9535	450.0 - 656.0	1476.0 - 2151.7	1	Tundra et al Willen	
	A2	A16-04-09-28	9493	800.0 - 2113.0	2624.0 - 6930.6	3	Tundra Daly Sinclair Prov. HZNTL
		14-21-14-28	9535	150.0 - 656.0	492.0 - 2151.7	3	Tundra et al Willen
		A01-08-09-29	9763	900.0 - 2168.0	2952.0 - 7111.0	3	Tundra Daly Sinclair HZNTL
		06-25-16-28	8629	810.0 - 1430.0	2656.8 - 4690.4	3	Tundra St. Lazare HZNTL
		09-04-16-27	9116	530.0 - 1304.0	1738.4 - 4277.1	2	Tundra Birdtail Prov. HZNTL
		04-25-16-28	9305	480.0 - 1601.0	1574.4 - 5251.3	3	Tundra St. Lazare HZNTL
	A3	13-17-13-28	10295	570.0 - 2092.0	1869.6 - 6861.8	7	CPEC Manson HZNTL
		12-17-13-28	10294	620.0 - 2348.0	2033.6 - 7701.4	7	CPEC Manson HZNTL
		11-02-10-26	10052	570.0 - 1456.0	1869.6 - 4775.7	3	Virden Roselea Unit No. 3 HZNTL
		10-29-07-28	8294	805.0 - 989.0	2640.4 - 3243.9	1	Tundra Daly Sinclair Prov. OBS
	A4	13-26-18-29	10327	145.0 - 550.0	475.6 - 1804.0	2	Tundra Gambler HZNTL
		13-26-18-29	10327	145.0 - 550.0	475.6 - 1804.0	2	Tundra Gambler HZNTL
		13-26-18-29	10327	450.0 - 1254.0	1476.0 - 4113.1	2	Tundra Gambler HZNTL
13-26-18-29		10327	450.0 - 1254.0	1476.0 - 4113.1	2	Tundra Gambler HZNTL	
16-31-09-28		10324	740.0 - 2351.0	2427.2 - 7711.3	4	Tundra Daly Sinclair HZNTL	
A13-32-07-28		9354	760.0 - 2467.0	2492.8 - 8091.8	5	Tundra Daly Sinclair Prov. HZNTL	
16-12-10-29		10271	830.0 - 2278.0	2722.4 - 7471.8	4	Tundra Daly Sinclair HZNTL	
B1	A04-29-02-28	10336	640.0 - 1700.0	2099.2 - 5576.0	4	Melita Pierson Prov. HZNTL	
	A09-03-02-25	9694	930.0 - 1761.0	3050.4 - 5776.1	2	EOG Waskada HZNTL	
	04-29-02-28	10335	640.0 - 1718.0	2099.2 - 5635.0	4	Melita Pierson Prov. HZNTL	
	13-06-04-21	9634	700.0 - 2110.0	2296.0 - 6920.8	3	Tundra Regent Prov. HZNTL	
	13-06-04-21	9634	700.0 - 2110.0	2296.0 - 6920.8	3	Tundra Regent Prov. HZNTL	
B2	10-04-13-28	9193	585.0 - 1399.0	1918.8 - 4588.7	3	Tundra East Manson Prov. HZNTL	
	08-23-08-28	9768	740.0 - 2405.0	2427.2 - 7888.4	4	Corval Daly Sinclair HZNTL	
	11-34-09-29	8311	780.0 - 1611.0	2558.4 - 5284.1	3	Tundra Daly Sinclair Prov. HZNTL	
	03-26-18-29	9627	375.0 - 550.0	1230.0 - 1804.0	1	Tundra Gambler	
	15-04-13-28	8712	580.0 - 1394.0	1902.4 - 4572.3	3	Tundra East Manson Prov. HZNTL	
	13-13-13-29	9214	150.0 - 749.0	492.0 - 2456.7	3	Tundra Manson HZNTL	
B3	A13-25-09-29	9712	700.0 - 2332.0	2296.0 - 7649.0	4	Corex Daly Sinclair HZNTL	
	13-35-07-29	8975	830.0 - 2368.0	2722.4 - 7767.0	4	Tundra Daly Sinclair HZNTL	
	B09-31-08-28	10333	855.0 - 2323.0	2804.4 - 7619.4	4	Tundra Daly Sinclair HZNTL	
	A01-02-13-28	10256	565.0 - 2009.0	1853.2 - 6589.5	6	CPEC Manson HZNTL	
B4	A09-19-08-28	10276	880.0 - 2343.5	2886.4 - 7686.7	4	Tundra Daly Sinclair HZNTL	
	C13-29-08-28	10320	840.0 - 2301.0	2755.2 - 7547.3	4	Tundra Daly Sinclair Prov. HZNTL	



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273	B4	B08-31-08-28	10317	870.0 - 2335.0	2853.6 - 7658.8	4	Tundra Daly Sinclair HZNTL
		08-30-15-29	10284	150.0 - 635.0	492.0 - 2082.8	2	Elcano McAuley HZNTL
		13-11-10-29	10262	830.0 - 2131.0	2722.4 - 6989.7	3	Tundra Daly Sinclair Prov. HZNTL
	C 3	13-26-08-28	9840	750.0 - 2287.0	2460.0 - 7501.4	4	Corval et al Daly Sinclair HZNTL
	C1	C09-31-08-28	10329	860.0 - 2302.6	2820.8 - 7552.5	4	Tundra Daly Sinclair HZNTL
		C09-31-08-28	10329	860.0 - 2302.6	2820.8 - 7552.5	4	Tundra Daly Sinclair HZNTL
		C09-31-08-28	10329	860.0 - 2302.6	2820.8 - 7552.5	4	Tundra Daly Sinclair HZNTL
		C09-31-08-28	10329	840.0 - 2318.0	2755.2 - 7603.0	4	Tundra Daly Sinclair HZNTL
		C09-31-08-28	10329	840.0 - 2318.0	2755.2 - 7603.0	4	Tundra Daly Sinclair HZNTL
		C09-31-08-28	10329	840.0 - 2318.0	2755.2 - 7603.0	4	Tundra Daly Sinclair HZNTL
		06-16-13-28	10245	575.0 - 1377.0	1886.0 - 4516.6	4	CPEC Manson HZNTL
		06-16-13-28	10245	575.0 - 1377.0	1886.0 - 4516.6	4	CPEC Manson HZNTL
		03-18-10-27	10293	630.0 - 2326.0	2066.4 - 7629.3	4	Tundra Daly Sinclair HZNTL
		03-18-10-27	10293	630.0 - 2326.0	2066.4 - 7629.3	4	Tundra Daly Sinclair HZNTL
	C2	08-22-09-29	9749	800.0 - 2449.0	2624.0 - 8032.7	4	Daly Unit No. 7 Prov. HZNTL
		02-08-08-29	10117	850.0 - 1078.0	2788.0 - 3535.8	2	Sinclair Unit No. 1 DIR
		07-31-16-27	8089	480.0 - 1548.0	1574.4 - 5077.4	3	Tundra Birdtail HZNTL
		A01-31-08-28	9730	880.0 - 2334.0	2886.4 - 7655.5	4	Tundra Daly Sinclair HZNTL
		A09-23-08-28	9738	750.0 - 2419.0	2460.0 - 7934.3	4	Corval Daly Sinclair HZNTL
	C3	01-01-15-27	7761	150.0 - 595.0	492.0 - 1951.6	2	Tundra Birdtail
		09-21-08-28	9416	740.0 - 2438.0	2427.2 - 7996.6	4	Tundra et al Daly Sinclair HZNTL
		08-07-11-29	9687	145.0 - 930.0	475.6 - 3050.4	4	Tundra Daly Sinclair HZNTL
		A08-30-09-28	9771	720.0 - 2250.0	2361.6 - 7380.0	4	Tundra Daly Sinclair HZNTL
C4	03-12-14-29	8928	135.0 - 690.0	442.8 - 2263.2	3	Fort Calgary South McAuley	
	A09-05-09-29	9793	885.0 - 2217.0	2902.8 - 7271.8	3	Tundra Daly Sinclair HZNTL	
	06-13-10-29	10275	700.0 - 1964.0	2296.0 - 6441.9	4	Tundra Daly Sinclair HZNTL	
	09-31-09-28	10323	710.0 - 2350.0	2328.8 - 7708.0	4	Tundra Daly Sinclair HZNTL	
	01-31-02-29	9980	820.0 - 1879.0	2689.6 - 6163.1	3	NAL et al Pierson HZNTL	
	b1	13-06-04-21	9634	950.0 - 1597.0	3116.0 - 5238.2	2	Tundra Regent Prov. HZNTL
13-06-04-21		9634	950.0 - 1597.0	3116.0 - 5238.2	2	Tundra Regent Prov. HZNTL	
274	A1	A13-35-12-28	10420	580.0 - 2148.0	1902.4 - 7045.4	7	CPEC Manson HZNTL
		01-14-12-27	10404	150.0 - 790.0	492.0 - 2591.2	3	Tundra North Hargrave Prov. DIR
		12-23-12-27	10431	570.0 - 760.0	1869.6 - 2492.8	1	Tundra North Hargrave DIR
		15-15-12-27	10403	140.0 - 785.0	459.2 - 2574.8	3	Tundra North Hargrave DIR
	A2	B05-10-10-28	10405	650.0 - 2515.0	2132.0 - 8249.2	5	Corex Daly Sinclair Prov. HZNTL
		11-12-13-27	10383	415.0 - 773.0	1361.2 - 2535.4	2	Tundra Miniota Prov.
		09-20-09-28	10388	650.0 - 2405.0	2132.0 - 7888.4	5	Corex Daly Sinclair Prov. HZNTL
		13-02-13-27	10408	440.0 - 740.0	1443.2 - 2427.2	2	Tundra et al Miniota
	A4	B11-20-02-28	10259	950.0 - 1666.0	3116.0 - 5464.5	2	Red Beds Pierson Prov. HZNTL
		11-15-13-28	10352	570.0 - 1335.0	1869.6 - 4378.8	4	CPEC Manson HZNTL
		C11-20-02-28	10260	950.0 - 1674.0	3116.0 - 5490.7	2	Red Beds Pierson Prov. HZNTL

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274	A4	C14-20-02-28	10261	650.0 - 1665.0	2132.0 - 5461.2	2	Red Beds Pierson Prov. HZNTL
		13-01-08-29	10410	820.0 - 2470.0	2689.6 - 8101.6	4	Sinclair Unit No. 3 HZNTL
A5	A12-09-09-29	9917	860.0 - 2344.0	2820.8 - 7688.3	4	Tundra Daly Sinclair HZNTL	
		12-22-09-28	10083	675.0 - 2359.0	2214.0 - 7737.5	4	Tundra et al Daly Sinclair HZNTL
		01-21-09-28	9806	740.0 - 2365.0	2427.2 - 7757.2	4	Tundra et al Daly Sinclair HZNTL
A6	06-08-13-28	9808	525.0 - 1266.0	1722.0 - 4152.5	3	Tundra Manson HZNTL	
		04-02-13-28	8803	560.0 - 2010.0	1836.8 - 6592.8	4	Tundra East Manson HZNTL
		04-02-13-28	8803	150.0 - 713.0	492.0 - 2338.6	3	Tundra East Manson HZNTL
		04-02-13-28	8803	150.0 - 713.0	492.0 - 2338.6	3	Tundra East Manson HZNTL
		06-08-13-28	9808	525.0 - 1266.0	1722.0 - 4152.5	3	Tundra Manson HZNTL
		06-08-13-28	9808	145.0 - 754.0	475.6 - 2473.1	3	Tundra Manson HZNTL
		06-08-13-28	9808	145.0 - 754.0	475.6 - 2473.1	3	Tundra Manson HZNTL
		04-02-13-28	8803	560.0 - 2010.0	1836.8 - 6592.8	4	Tundra East Manson HZNTL
B1	A07-30-11-26	10387	560.0 - 1910.0	1836.8 - 6264.8	3	Tundra et al Virden HZNTL	
		10387	560.0 - 1910.0	1836.8 - 6264.8	3	Tundra et al Virden HZNTL	
		10387	780.0 - 1686.0	2558.4 - 5530.1	2	Tundra et al Virden HZNTL	
		10387	780.0 - 1686.0	2558.4 - 5530.1	2	Tundra et al Virden HZNTL	
		A10-01-10-28	10422	690.0 - 2020.0	2263.2 - 6625.6	4	Daly Unit No. 3 HZNTL
		03-32-09-28	10418	650.0 - 2461.0	2132.0 - 8072.1	5	Corex Daly Sinclair Prov. HZNTL
B2	09-02-13-27	10407	430.0 - 771.0	1410.4 - 2528.9	2	Tundra et al Miniota	
		15-17-12-27	10378	140.0 - 825.0	459.2 - 2706.0	3	Tundra North Hargrave DIR
		13-10-09-28	10361	730.0 - 1240.0	2394.4 - 4067.2	3	Tundra Daly Sinclair Prov. SWD DIR
		A02-02-13-28	10419	565.0 - 2001.0	1853.2 - 6563.3	6	CPEC Manson HZNTL
B4	A09-01-13-28	10371	1110.0 - 2148.0	3640.8 - 7045.4	5	CPEC Manson HZNTL	
		10371	580.0 - 1170.0	1902.4 - 3837.6	3	CPEC Manson HZNTL	
		10368	580.0 - 1945.0	1902.4 - 6379.6	6	CPEC Manson HZNTL	
		10371	580.0 - 1170.0	1902.4 - 3837.6	3	CPEC Manson HZNTL	
		10371	1110.0 - 2148.0	3640.8 - 7045.4	5	CPEC Manson HZNTL	
B5	03-07-09-27	10142	715.0 - 2353.0	2345.2 - 7717.8	4	Tundra et al Daly Sinclair HZNTL	
		12-28-09-28	10129	690.0 - 2369.0	2263.2 - 7770.3	4	Tundra Daly Sinclair Prov. HZNTL
		01-29-09-28	9970	740.0 - 2378.0	2427.2 - 7799.8	4	Tundra Daly Sinclair Prov. HZNTL
B6	A05-15-09-28	10321	785.0 - 2253.5	2574.8 - 7391.5	4	Tundra Daly Sinclair HZNTL	
		04-16-10-28	10285	790.0 - 2037.0	2591.2 - 6681.4	3	Tundra Daly Sinclair Prov. HZNTL
		06-30-12-26	9948	145.0 - 704.0	475.6 - 2309.1	3	Highmark Two Creeks
		04-16-10-28	10285	600.0 - 877.0	1968.0 - 2876.6	2	Tundra Daly Sinclair Prov. HZNTL
		04-16-10-28	10285	600.0 - 877.0	1968.0 - 2876.6	2	Tundra Daly Sinclair Prov. HZNTL
		04-16-10-28	10285	600.0 - 877.0	1968.0 - 2876.6	2	Tundra Daly Sinclair Prov. HZNTL
		04-16-10-28	10285	790.0 - 2037.0	2591.2 - 6681.4	3	Tundra Daly Sinclair Prov. HZNTL
		04-16-10-28	10285	790.0 - 2037.0	2591.2 - 6681.4	3	Tundra Daly Sinclair Prov. HZNTL
C1	04-14-16-28	10065	420.0 - 2242.0	1377.6 - 7353.8	8	CPEC St. Lazare Prov. HZNTL	
		13-12-12-27	10428	140.0 - 779.0	459.2 - 2555.1	3	Tundra Virden DIR
		A04-10-10-28	10163	700.0 - 1666.0	2296.0 - 5464.5	3	Daly Unit No. 1 Prov. HZNTL

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
274	C2	06-23-12-27	10093	440.0 - 805.0	1443.2 - 2640.4	2	Tundra North Hargrave DIR
		04-24-12-27	10414	400.0 - 745.0	1312.0 - 2443.6	2	Tundra North Hargrave
		A16-36-12-28	10372	580.0 - 2010.0	1902.4 - 6592.8	6	CPEC Manson HZNTL
		A12-05-16-27	10381	475.0 - 2057.0	1558.0 - 6747.0	4	Birdtail Unit No. 1 HZNTL
	C4	A08-01-13-28	10370	580.0 - 2146.0	1902.4 - 7038.9	7	CPEC Manson HZNTL
		08-01-13-28	10257	550.0 - 2160.0	1804.0 - 7084.8	7	CPEC Manson HZNTL
	C5	05-15-09-28	9615	685.0 - 2383.0	2246.8 - 7816.2	5	Tundra Daly Sinclair HZNTL
		09-26-09-28	10069	700.0 - 2231.0	2296.0 - 7317.7	4	Tundra Daly Sinclair HZNTL
		14-21-13-27	10373	155.0 - 641.0	508.4 - 2102.5	3	Fort Calgary Miniota
	C6	A04-22-09-28	10030	810.0 - 2265.0	2656.8 - 7429.2	4	Tundra et al Daly Sinclair HZNTL
		16-26-09-28	10068	700.0 - 2185.0	2296.0 - 7166.8	4	Tundra Daly Sinclair HZNTL
		01-15-12-27	10322	140.0 - 816.0	459.2 - 2676.5	4	Tundra North Hargrave DIR
		10-36-02-29	10308	950.0 - 1664.0	3116.0 - 5457.9	2	Tundra Pierson HZNTL
	b6	04-16-10-28	10285	1038.0 - 2007.0	3404.6 - 6583.0	2	Tundra Daly Sinclair Prov. HZNTL
04-16-10-28		10285	1038.0 - 2007.0	3404.6 - 6583.0	2	Tundra Daly Sinclair Prov. HZNTL	
04-16-10-28		10285	1038.0 - 2007.0	3404.6 - 6583.0	2	Tundra Daly Sinclair Prov. HZNTL	
275	AT	15-35-09-28	10298	445.0 - 1667.0	1459.6 - 5467.8	4	Daly Unit No. 4 HZNTL
		A16-33-08-28	10423	725.0 - 2420.0	2378.0 - 7937.6	4	Corex Daly Sinclair HZNTL
		03-16-08-29	10392	840.0 - 1048.5	2755.2 - 3439.1	1	Sinclair Unit No. 1 DIR
		C01-26-09-28	10427	445.0 - 2119.0	1459.6 - 6950.3	5	Tundra Daly Sinclair HZNTL
	BT	A08-08-10-28	10346	430.0 - 1886.0	1410.4 - 6186.1	4	Tundra Daly Sinclair HZNTL
		A05-16-08-29	10385	840.0 - 1049.0	2755.2 - 3440.7	1	Sinclair Unit No. 1 DIR
		B16-24-09-28	10377	720.0 - 2268.0	2361.6 - 7439.0	4	Corex Daly Sinclair Prov. HZNTL
		02-16-08-29	10399	840.0 - 1069.0	2755.2 - 3506.3	1	Sinclair Unit No. 1 DIR
		08-08-10-28	10345	750.0 - 1858.0	2460.0 - 6094.2	3	Tundra Daly Sinclair HZNTL
	CT	09-13-12-27	10416	190.0 - 665.0	623.2 - 2181.2	2	EverGro North Hargrave DIR
		15-02-07-29	10232	775.0 - 3193.0	2542.0 - 10473.0	10	Red River Daly Sinclair Prov. HZNTL
	A13-34-09-29	10390	940.0 - 2435.0	3083.2 - 7986.8	4	Tundra et al Daly Sinclair Prov. HZNTL	
276	AT	12-18-12-26	10417	165.0 - 711.0	541.2 - 2332.1	3	EverGro Two Creeks DIR
		04-10-10-28	10162	700.0 - 1695.0	2296.0 - 5559.6	3	Daly Unit No. 1 Prov. HZNTL
		09-19-13-26	10439	140.0 - 617.0	459.2 - 2023.8	2	Elcano Miniota DIR
		01-16-13-27	10413	145.0 - 650.0	475.6 - 2132.0	3	Elcano Miniota
		02-13-13-27	10401	150.0 - 800.0	492.0 - 2624.0	3	Elcano Miniota DIR
	BT	A05-32-10-28	10441	690.0 - 2210.0	2263.2 - 7248.8	4	Tundra Daly Sinclair Prov. HZNTL
		03-08-08-29	10394	850.0 - 1068.5	2788.0 - 3504.7	1	Sinclair Unit No. 1 DIR
		04-16-08-29	10393	840.0 - 1053.5	2755.2 - 3455.5	1	Sinclair Unit No. 1 DIR
		15-06-08-28	10384	750.0 - 1557.0	2460.0 - 5107.0	3	Sinclair Unit No. 5 HZNTL
		13-34-09-29	10236	710.0 - 2535.0	2328.8 - 8314.8	5	Tundra Daly Sinclair Prov. HZNTL
	CT	C04-33-08-28	10406	700.0 - 2293.0	2296.0 - 7521.0	4	Corval Daly Sinclair HZNTL
		A13-03-10-28	10165	660.0 - 1630.0	2164.8 - 5346.4	3	Daly Unit No. 1 HZNTL
		13-03-10-28	10164	690.0 - 1640.0	2263.2 - 5379.2	3	Daly Unit No. 1 HZNTL

**Non Confidential Sample Cuttings**  
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**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
277	AT	B11-35-01-26	10447	870.0 - 2541.0	2853.6 - 8334.5	4	Tundra Waskada HZNTL
		D11-26-01-26	10444	870.0 - 1711.0	2853.6 - 5612.1	3	Waskada Unit No. 10 HZNTL
		14-32-09-28	10437	425.0 - 910.0	1394.0 - 2984.8	2	Tundra Daly Sinclair Prov. DIR
		13-13-12-27	10442	400.0 - 712.0	1312.0 - 2335.4	2	Tundra North Hargrave DIR
		12-16-09-29	10440	875.0 - 2375.0	2870.0 - 7790.0	4	Tundra Daly Sinclair HZNTL
		13-27-01-26	10445	870.0 - 1778.0	2853.6 - 5831.8	3	Waskada Unit No. 9 HZNTL
		12-27-13-27	10462	150.0 - 587.0	492.0 - 1925.4	2	CPEC Miniota DIR
	BT	04-32-09-28	10436	720.0 - 2309.0	2361.6 - 7573.5	4	Tundra Daly Sinclair Prov. HZNTL
		02-02-10-28	10434	445.0 - 1975.0	1459.6 - 6478.0	4	Daly Unit No. 4 HZNTL
		B13-22-09-28	10426	450.0 - 2272.0	1476.0 - 7452.2	5	Tundra Daly Sinclair HZNTL
		08-16-08-29	10397	830.0 - 1683.0	2722.4 - 5520.2	3	Sinclair Unit No. 1 DIR
	CT	C05-03-02-26	10450	1210.0 - 1839.0	3968.8 - 6031.9	2	Tundra Waskada HZNTL
		C05-03-02-26	10450	1210.0 - 1839.0	3968.8 - 6031.9	2	Tundra Waskada HZNTL
		04-30-01-25	10451	870.0 - 1678.0	2853.6 - 5503.8	3	Waskada Unit No. 1 HZNTL
		09-03-03-21	10311	700.0 - 1855.5	2296.0 - 6086.0	3	Tundra Whitewater HZNTL
		C05-03-02-26	10450	1100.0 - 1544.0	3608.0 - 5064.3	2	Tundra Waskada HZNTL
		09-03-03-21	10311	700.0 - 1855.5	2296.0 - 6086.0	3	Tundra Whitewater HZNTL
		13-16-09-29	10457	775.0 - 2330.0	2542.0 - 7642.4	4	Tundra et al Daly Sinclair HZNTL
		09-22-12-27	10464	490.0 - 670.0	1607.2 - 2197.6	1	Elcano North Hargrave DIR
	C05-03-02-26	10450	1100.0 - 1544.0	3608.0 - 5064.3	2	Tundra Waskada HZNTL	
	278	AT	10-17-02-21	10438	800.0 - 2379.0	2624.0 - 7803.1	4
03-03-03-21			10310	720.0 - 1932.0	2361.6 - 6337.0	3	Tundra Whitewater HZNTL
10-17-02-21			10438	1070.0 - 2540.0	3509.6 - 8331.2	3	Tundra et al Mountainside HZNTL
10-17-02-21			10438	1070.0 - 2540.0	3509.6 - 8331.2	3	Tundra et al Mountainside HZNTL
10-17-02-21			10438	800.0 - 2379.0	2624.0 - 7803.1	4	Tundra et al Mountainside HZNTL
03-03-03-21			10310	720.0 - 1932.0	2361.6 - 6337.0	3	Tundra Whitewater HZNTL
03-03-03-21			10310	1010.0 - 1907.0	3312.8 - 6255.0	2	Tundra Whitewater HZNTL
03-03-03-21			10310	1010.0 - 1907.0	3312.8 - 6255.0	2	Tundra Whitewater HZNTL
04-15-13-27			10467	150.0 - 667.0	492.0 - 2187.8	3	CPEC Miniota DIR
BT		13-11-12-27	10466	146.0 - 822.0	478.9 - 2696.2	4	CPEC North Hargrave Prov. DIR
		11-28-07-29	10359	810.0 - 1524.0	2656.8 - 4998.7	3	Sinclair Unit No. 8 HZNTL
		04-25-14-29	10458	530.0 - 2082.0	1738.4 - 6829.0	7	CPEC South McAuley HZNTL
CT		01-06-10-28	10443	740.0 - 2221.0	2427.2 - 7284.9	4	Tundra Daly Sinclair Prov. HZNTL
		01-29-02-28	10482	600.0 - 1695.0	1968.0 - 5559.6	4	Melita Pierson Prov. HZNTL
		07-08-08-29	10396	850.0 - 1080.0	2788.0 - 3542.4	2	Sinclair Unit No. 1 DIR
		04-24-10-28	10465	750.0 - 2304.0	2460.0 - 7557.1	2	Corval Daly Sinclair HZNTL
	04-24-10-28	10465	750.0 - 2304.0	2460.0 - 7557.1	2	Corval Daly Sinclair HZNTL	
	04-24-10-28	10465	750.0 - 2038.0	2460.0 - 6684.6	3	Corval Daly Sinclair HZNTL	
	04-24-10-28	10465	750.0 - 2038.0	2460.0 - 6684.6	3	Corval Daly Sinclair HZNTL	
279	AT	04-11-03-29	10456	1200.0 - 1695.0	3936.0 - 5559.6	2	Tundra Pierson Prov. HZNTL
		01-06-08-28	10411	800.0 - 988.0	2624.0 - 3240.6	2	Sinclair Unit No. 5
		04-11-03-29	10456	1000.0 - 2580.0	3280.0 - 8462.4	3	Tundra Pierson Prov. HZNTL

## Non Confidential Sample Cuttings by Section / Row

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
279	AT	06-36-01-29	10452	960.0 - 1719.0	3148.8 - 5638.3	2	Tundra Pierson HZNTL
		A06-08-08-29	10386	850.0 - 1078.0	2788.0 - 3535.8	2	Sinclair Unit No. 1 DIR
		05-08-08-29	10395	850.0 - 1091.0	2788.0 - 3578.5	2	Sinclair Unit No. 1 DIR
		A02-08-08-29	10398	850.0 - 1065.0	2788.0 - 3493.2	2	Sinclair Unit No. 1 DIR
		04-11-03-29	10456	1200.0 - 1695.0	3936.0 - 5559.6	2	Tundra Pierson Prov. HZNTL
		04-11-03-29	10456	1000.0 - 2580.0	3280.0 - 8462.4	3	Tundra Pierson Prov. HZNTL
	BT	13-04-10-29	10265	825.0 - 2143.0	2706.0 - 7029.0	3	Tundra Daly Sinclair Prov. HZNTL
		B08-23-08-28	10454	750.0 - 2432.0	2460.0 - 7977.0	4	Corval Daly Sinclair HZNTL
		16-30-09-28	10446	710.0 - 2369.0	2328.8 - 7770.3	4	Tundra Daly Sinclair Prov. HZNTL
		C08-23-08-28	10455	720.0 - 2300.0	2361.6 - 7544.0	4	Corval Daly Sinclair HZNTL
	CT	01-16-02-25	10468	950.0 - 1685.0	3116.0 - 5526.8	2	Tundra Waskada HZNTL
		02-23-01-24	7645	870.0 - 1669.0	2853.6 - 5474.3	2	ARC Waskada HZNTL
		A01-08-02-25	10471	960.0 - 1707.0	3148.8 - 5599.0	2	Waskada Unit No. 8 HZNTL
		01-08-02-25	10470	970.0 - 1685.0	3181.6 - 5526.8	2	Waskada Unit No. 8 HZNTL
A08-26-09-28		10477	670.0 - 2122.0	2197.6 - 6960.2	4	Tundra Daly Sinclair HZNTL	
A04-09-09-28		10435	770.0 - 2050.0	2525.6 - 6724.0	3	Tundra Daly Sinclair HZNTL	
280	AT	A15-09-13-28	10501	500.0 - 2160.0	1640.0 - 7084.8	4	Tundra Manson HZNTL
		11-09-02-25	10473	970.0 - 1695.0	3181.6 - 5559.6	2	Tundra Waskada HZNTL
		09-09-16-27	10514	495.0 - 2032.0	1623.6 - 6665.0	4	Tundra Birdtail HZNTL
		A03-08-13-28	10502	535.0 - 1404.0	1754.8 - 4605.1	3	Tundra Manson HZNTL
		09-09-16-27	10514	495.0 - 2032.0	1623.6 - 6665.0	4	Tundra Birdtail HZNTL
		09-09-16-27	10514	1050.0 - 2038.0	3444.0 - 6684.6	2	Tundra Birdtail HZNTL
		09-09-16-27	10514	1050.0 - 2038.0	3444.0 - 6684.6	2	Tundra Birdtail HZNTL
	BT	14-29-18-28	10453	143.0 - 632.0	469.0 - 2073.0	2	Tundra Chillon
		A14-21-11-26	10524	525.0 - 1567.0	1722.0 - 5139.8	3	North Virden Scallion Unit No. 1 HZNTL
		10-01-10-26	10463	630.0 - 1493.0	2066.4 - 4897.0	3	Corex Virden HZNTL
		A09-24-09-28	10376	660.0 - 2265.0	2164.8 - 7429.2	4	Corex Daly Sinclair Prov. HZNTL
		16-03-10-29	10264	870.0 - 2300.0	2853.6 - 7544.0	3	Tundra Daly Sinclair HZNTL
	CT	02-14-09-28	10353	725.0 - 1975.5	2378.0 - 6479.6	4	Cromer Unit No. 1 Prov. HZNTL
04-24-13-28		10498	440.0 - 2209.0	1443.2 - 7245.5	5	Tundra Manson Prov. HZNTL	
09-30-09-28		10448	760.0 - 2375.0	2492.8 - 7790.0	4	Tundra Daly Sinclair Prov. HZNTL	
16-05-19-28		10492	150.0 - 620.0	492.0 - 2033.6	2	Tundra Binscarth	
281	AT	B04-07-08-28	10409	800.0 - 2484.0	2624.0 - 8147.5	4	Sinclair Unit No. 12 HZNTL
		A12-24-13-28	10499	435.0 - 2148.0	1426.8 - 7045.4	5	Tundra Manson Prov. HZNTL
		06-12-09-28	10493	640.0 - 2377.0	2099.2 - 7796.6	5	Corex Daly Sinclair Prov. HZNTL
	BT	12-09-08-28	10355	860.0 - 2271.0	2820.8 - 7448.9	4	Tundra Daly Sinclair HZNTL
		B16-08-09-29	10511	780.0 - 2270.0	2558.4 - 7445.6	4	Tundra Daly Sinclair HZNTL
		09-23-10-26	10494	620.0 - 1530.0	2033.6 - 5018.4	3	Virden Roselea Unit No. 1 HZNTL
		A05-09-08-28	10357	770.0 - 2470.0	2525.6 - 8101.6	4	Ewart Unit No. 7 HZNTL
	CT	A06-20-11-29	10497	650.0 - 2362.0	2132.0 - 7747.4	5	CPEC Daly Sinclair HZNTL
		A09-23-10-26	10495	590.0 - 1456.0	1935.2 - 4775.7	3	Virden Roselea Unit No. 1 HZNTL

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

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Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name	
281	CT	B16-05-09-29	10508	790.0 - 2227.0	2591.2 - 7304.6	4	Tundra Daly Sinclair HZNTL	
		12-11-14-29	10522	570.0 - 2124.0	1869.6 - 6966.7	4	CPEC Manson Prov. HZNTL	
282	AT	05-20-11-29	10496	750.0 - 2359.0	2460.0 - 7737.5	4	CPEC Daly Sinclair HZNTL	
		04-17-13-28	10504	580.0 - 2171.0	1902.4 - 7120.9	4	East Manson Unit No. 5 HZNTL	
		09-36-12-28	10374	570.0 - 2069.0	1869.6 - 6786.3	4	CPEC Manson HZNTL	
		B09-01-13-28	10507	580.0 - 2134.0	1902.4 - 6999.5	4	CPEC Manson HZNTL	
	BT	03-11-11-29	10506	720.0 - 2229.0	2361.6 - 7311.1	4	CPEC Daly Sinclair Prov. HZNTL	
		13-22-12-27	10228	520.0 - 1510.0	1705.6 - 4952.8	2	Elcano North Hargrave HZNTL	
		08-10-02-25	10057	990.0 - 1830.0	3247.2 - 6002.4	2	Waskada Unit No. 17 HZNTL	
		04-35-12-27	9849	165.0 - 410.0	541.2 - 1344.8	1	Elcano North Hargrave	
		03-19-07-29	7192	830.0 - 2560.0	2722.4 - 8396.8	7	Fairborne Sinclair HZNTL	
	CT	01-05-04-25	9045	165.0 - 1015.0	541.2 - 3329.2	4	Clampett Napinka DIR	
		04-22-15-27	8700	490.0 - 1476.0	1607.2 - 4841.3	4	CPEC Birdtail HZNTL	
		05-31-01-28	9020	1015.0 - 1714.0	3329.2 - 5621.9	2	EOG Pierson HZNTL	
		04-20-11-26	8607	565.0 - 1502.0	1853.2 - 4926.6	3	Tundra Virden HZNTL	
B08-16-08-28		10527	800.0 - 2160.0	2624.0 - 7084.8	3	Tundra Daly Sinclair Prov. HZNTL		
283	AT	11-12-04-22	9026	1130.0 - 1754.0	3706.4 - 5753.1	2	Tundra Regent HZNTL	
		13-14-06-26	8216	155.0 - 831.0	508.4 - 2725.7	3	Magellan South Pipestone Prov. HZNTL	
		B12-23-01-25	9472	940.0 - 1654.0	3083.2 - 5425.1	2	EOG Waskada HZNTL	
		B13-17-08-28	10518	750.0 - 2301.0	2460.0 - 7547.3	4	Tundra Daly Sinclair HZNTL	
		B16-16-08-28	10517	750.0 - 2147.0	2460.0 - 7042.2	4	Tundra Daly Sinclair Prov. HZNTL	
		11-12-04-22	9026	705.0 - 1000.0	2312.4 - 3280.0	2	Tundra Regent HZNTL	
		11-12-04-22	9026	705.0 - 1000.0	2312.4 - 3280.0	2	Tundra Regent HZNTL	
	BT	01-34-01-27	8759	690.0 - 2277.0	2263.2 - 7468.6	4	Legacy Coulter Prov. HZNTL	
		16-30-09-27	8502	780.0 - 2239.0	2558.4 - 7343.9	4	Tundra Daly Sinclair HZNTL	
		05-05-11-28	8437	735.0 - 2232.0	2410.8 - 7321.0	4	Tundra Elkhorn HZNTL	
		01-29-10-28	8578	715.0 - 2337.0	2345.2 - 7665.4	4	Tundra Daly Sinclair Prov. HZNTL	
		CT	09-12-09-25	8561	770.0 - 1546.0	2525.6 - 5070.9	2	Tundra Virden HZNTL
			09-12-09-25	8561	770.0 - 1546.0	2525.6 - 5070.9	2	Tundra Virden HZNTL
			09-12-09-25	8561	770.0 - 1546.0	2525.6 - 5070.9	2	Tundra Virden HZNTL
	09-12-09-25		8561	820.0 - 1740.0	2689.6 - 5707.2	2	Tundra Virden HZNTL	
	09-12-09-25		8561	820.0 - 1740.0	2689.6 - 5707.2	2	Tundra Virden HZNTL	
	14-05-03-21		8510	1020.0 - 1452.0	3345.6 - 4762.6	1	Tundra Whitewater HZNTL	
	CT	09-12-09-25	8561	590.0 - 1781.0	1935.2 - 5841.7	3	Tundra Virden HZNTL	
		14-05-03-21	8510	775.0 - 1810.0	2542.0 - 5936.8	3	Tundra Whitewater HZNTL	
		14-05-03-21	8510	775.0 - 1810.0	2542.0 - 5936.8	3	Tundra Whitewater HZNTL	
01-03-11-28		7996	730.0 - 2362.0	2394.4 - 7747.4	4	Tundra Elkhorn HZNTL		
14-05-03-21		8510	1020.0 - 1452.0	3345.6 - 4762.6	1	Tundra Whitewater HZNTL		
09-12-09-25		8561	590.0 - 1781.0	1935.2 - 5841.7	3	Tundra Virden HZNTL		
09-12-09-25		8561	590.0 - 1781.0	1935.2 - 5841.7	3	Tundra Virden HZNTL		
09-12-09-25	8561	820.0 - 1740.0	2689.6 - 5707.2	2	Tundra Virden HZNTL			

**Non Confidential Sample Cuttings**  
by  
**Section / Row**

**Manitoba**

Report run on: May 14, 2019

Core Lab

Section	Row	Location	Licence	Cutting Int (m)	Cutting Int (ft)	Trays	Original Well Name
284	AT	B11-08-01-24	7770	910.0 - 1658.0	2984.8 - 5438.2	2	EOG Waskada HZNTL
		08-34-09-29	10430	770.0 - 2477.0	2525.6 - 8124.6	5	Tundra Daly Sinclair HZNTL
		05-08-16-27	8913	450.0 - 1869.0	1476.0 - 6130.3	6	Kinwest 08 Mariner Birdtail HZNTL
		C11-08-01-24	7771	885.0 - 1615.0	2902.8 - 5297.2	2	EOG Waskada HZNTL
	BT	A16-06-09-28	10531	825.0 - 2300.0	2706.0 - 7544.0	4	Tundra Daly Sinclair HZNTL
		A12-09-08-28	10356	760.0 - 2440.0	2492.8 - 8003.2	4	Ewart Unit No. 7 HZNTL
		B08-08-09-29	10509	860.0 - 2202.0	2820.8 - 7222.6	3	Tundra Daly Sinclair HZNTL
		16-18-07-28	10400	810.0 - 2539.0	2656.8 - 8327.9	4	Sinclair Unit No. 2 HZNTL
	CT	04-07-09-29	7764	835.0 - 2499.0	2738.8 - 8196.7	4	Tundra Daly Sinclair HZNTL
		B01-16-08-28	10512	425.0 - 2153.0	1394.0 - 7061.8	5	Tundra Daly Sinclair Prov. HZNTL
		13-06-09-29	7673	840.0 - 2477.0	2755.2 - 8124.6	4	Tundra Sinclair Prov. HZNTL
		05-31-08-29	8725	850.0 - 2110.0	2788.0 - 6920.8	3	Tundra Daly Sinclair HZNTL
285	AT	02-12-01-25	8554	900.0 - 1589.0	2952.0 - 5211.9	2	EOG Waskada HZNTL
		B04-16-01-25	8625	940.0 - 1685.0	3083.2 - 5526.8	2	EOG Waskada Prov. HZNTL
		01-30-02-24	8052	145.0 - 1126.0	475.6 - 3693.3	4	Red Beds Waskada Prov. HZNTL
		16-30-01-25	7979	150.0 - 1760.0	492.0 - 5772.8	2	Waskada Unit No. 3 HZNTL
		16-06-12-26	10526	165.0 - 692.0	541.2 - 2269.8	3	Flushing Virden
	BT	A09-17-08-28	10519	750.0 - 2198.0	2460.0 - 7209.4	4	Tundra Daly Sinclair HZNTL
		04-31-06-21	10532	140.0 - 720.0	459.2 - 2361.6	3	Elcano Elgin
		08-17-08-28	10520	850.0 - 2370.0	2788.0 - 7773.6	4	Tundra Daly Sinclair HZNTL
		A01-29-02-28	10521	600.0 - 1690.0	1968.0 - 5543.2	4	Melita Pierson HZNTL
	CT	B09-08-09-29	10510	870.0 - 2222.0	2853.6 - 7288.2	3	Tundra Daly Sinclair HZNTL
		A12-29-09-29	9596	980.0 - 2293.0	3214.4 - 7521.0	6	Paradise Daly Sinclair Prov. HZNTL
	289	B	11-02-10-28	10635	685.0 - 1510.0	2246.8 - 4952.8	2
290	C	01-09-12-26	10651	200.0 - 2154.0	656.0 - 7065.1	6	Corex Virden HZNTL
291	A	08-04-10-28	10643	275.0 - 1523.0	902.0 - 4995.4	4	Corex Daly Sinclair HZNTL
		13-05-10-28	10649	210.0 - 1534.0	688.8 - 5031.5	5	Corex Daly Sinclair HZNTL
		05-28-09-28	10660	140.0 - 2225.0	459.2 - 7298.0	6	Tundra Daly Sinclair Prov. HZNTL
	B	03-08-02-29	4390	170.0 - 2777.0	557.6 - 9108.6	8	Home S. Pierson Unit No. 1 Prov.
		02-09-10-28	10630	275.0 - 2164.0	902.0 - 7097.9	6	Daly Unit No. 1 HZNTL
	C	06-08-02-29	10486	806.0 - 2606.0	2643.7 - 8547.7	5	South Pierson Unit No.1 Prov. HZNTL
	292	B	A08-04-10-28	10644	275.0 - 1519.0	902.0 - 4982.3	4
C		A05-09-08-29	10613	145.0 - 2180.0	475.6 - 7150.4	7	Sinclair Unit No. 1 HZNTL