



Science, Technology, Energy and Mines
 Petroleum Branch
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WEEKLY WELL ACTIVITY REPORT

PETROLEUM INDUSTRY ACTIVITY REPORT

(January 1/08 – August 5/08)

| <u>DRILLING ACTIVITY</u> | to Aug. 5/08 | To Aug. 7/07 | 2007 Total |
|--|-----------------|----------------|------------|
| Drilling Licences Issued | 204 | 171 | 337 |
| Licences Cancelled | 15 | 10 | 27 |
| Vertical Wells Drilled | 124 | 121 | 264 |
| Horizontal Wells Drilled | 62 | 27 | 58 |
| Stratigraphic Test Holes Drilled | 2 | 1 | 2 |
| Wells Drilled - Total | 188 | 149 | 324 |
| No. of Metres Drilled | 258 831 | 173 082 | 382 558 |
| Wells Re-entered | 4 | 2 | 4 |
| Wells Being Drilled | 5 | 4 | 1 |
| No. of Active Rigs | 6 | 5 | 1 |
| Wells Licenced but Not Spudded | 42 | 73 | 45 |
| Wells Completed as Potential Oil Wells | 183 | 136 | 300 |
| Wells Abandoned Dry | 4 | 15 | 28 |
| Wells Drilled but Not Completed | 1 | 0 | 0 |
| Other Completions | 4 | 0 | 0 |
| New Wells on Production | 116 | 89 | 255 |
| <u>GEOPHYSICAL ACTIVITY</u> | | | |
| Geophysical Programs Licenced | 9 | 8 | 11 |
| Licences Cancelled | 0 | 0 | 1 |
| Kilometers Licenced | 2 751 | 1325 | 2 062 |
| Kilometers Run | 1 483 | 813 | 1 967 |
| | 2008 | 2007 | |
| <u>OIL PRICES (Average)</u> | \$/m3 (\$/bbl) | \$/m3 (\$/bbl) | |
| Month of June | 814.67 (129.46) | 446.00 (70.87) | |
| Month of July | 819.41 (130.21) | 498.10 (79.15) | |
| <u>OIL PRODUCTION (M3)</u> | 2008 | 2007 | |
| Month of May | 108 086.6 | 106 066.9 | |
| Cumulative Thru May 31 | 553 423.1 | 542 776.7 | |

WEEKLY WELL ACTIVITY REPORT

05 August 2008

Lic. No.: 3871

Leader Sinclair COM 7-33-8-28 (WPM)
UWI: 100.07-33-008-28W1.02 (16 62DD)

Please note new UWI and revised well name

Status: Capable Of Oil Production (COOP)
Capable Of Oil Production: 15-Jul-2008
Field/Pool Code: 16 62DD/16 59I (Commingled)

Lic. No.: 6416

Tundra et al Sinclair 5-3-7-28 (WPM)
UWI: 100.05-03-007-28W1.00

Status: Licence Cancelled (CAN)
Licence Cancelled: 05-Aug-2008

Lic. No.: 6594

White North Sinclair COM 13-22-8-28 (WPM)
UWI: 100.13-22-008-28W1.00
UWI: 100.13-22-008-28W1.02

Please note new UWI and revised well name

Status: Capable Of Oil Production (COOP)
Capable Of Oil Production: 12-Mar-2008
Field/Pool Code: 16 59F/16 62B

Lic. No.: 6642

CNRL Pierson HZNTL 3-34-2-28 (WPM)
UWI: 100.03-34-002-28W1.00 - Leg #1
UWI: 100.03-34-002-28W1.02 - Leg #2

Status: Completing (COMP)
Completing: 29-Jul-2008

Lic. No.: 6646

CNRL Pierson 3-19-2-29 (WPM)
UWI: 100.03-19-002-29W1.00

Revision to Report of: 26-May-2008
Contractor: **Trailblazer Drilling Corp. - Rig# 35**

Spud Date: 30-Jul-2008
K.B. Elevation: 483.06 m
Finished Drilling: 01-Aug-2008
Total Depth: 1042.00 m
Rig Released: 02-Aug-2008
Surface Casing: 177.80 mm @ 117.00 m with 8.0 t
Production Casing: 114.30 mm @ 1042.00 m with 17.0 t
Status: Waiting On Service Rig (WOSR)
Waiting On Service Rig: 02-Aug-2008

Lic. No.: 6647 CNRL Pierson 5-19-2-29 (WPM)
 UWI: 100.05-19-002-29W1.00

Finished Drilling: 29-Jul-2008
 Total Depth: 1042.00 m
 Rig Released: 29-Jul-2008
 Production Casing: 114.30 mm @ 1041.50 m with 16.0 t
 Status: Waiting On Service Rig (WOSR)
 Waiting On Service Rig: 29-Jul-2008

Lic. No.: 6649 CNRL Pierson 13-19-2-29 (WPM)
 UWI: 100.13-19-002-29W1.00

Status: Completing (COMP)
 Completing: 05-Aug-2008

Lic. No.: 6656 Kiwi Sinclair 5-6-9-29 (WPM)
 UWI: 100.05-06-009-29W1.00

Status: Completing (COMP)
 Completing: 01-Aug-2008

Lic. No.: 6662 Black Gold Sinclair 13-33-8-28 (WPM)
 UWI: 100.13-33-008-28W1.00

Spud Date: 29-Jul-2008
 K.B. Elevation: 500.68 m
 Finished Drilling: 31-Jul-2008
 Total Depth: 915.00 m
 Rig Released: 02-Aug-2008
 Surface Casing: 219.10 mm @ 138.00 m with 10.5 t
 Production Casing: 114.40 mm @ 915.00 m with 20.3 t
 Status: Waiting On Service Rig (WOSR)
 Waiting On Service Rig: 02-Aug-2008

Lic. No.: 6676 CNRL Pierson HZNTL 16-24-2-29 (WPM)
 UWI: 102.16-24-002-29W1.00

Status: Capable Of Oil Production (COOP)
 Capable Of Oil Production: 10-Jul-2008
 Field/Pool Code: 7 42E

Lic. No.: 6686 South Pierson Unit No. 1 Prov. HZNTL 7-16-2-29 (WPM)
 UWI: 102.07-16-002-29W1.00 - Leg #1
 UWI: 102.07-16-002-29W1.02 - Leg #2

Status: Capable Of Oil Production (COOP)
 Capable Of Oil Production: 20-Jul-2008
 Field/Pool Code: 7 35A

- Lic. No.: 6709 Tundra Sinclair Prov. HZNTL 2-6-8-28 (WPM)
 UWI: 100.02-06-008-28W1.00
- Finished Drilling: 30-Jul-2008
 Total Depth: 2253.00 m
 Rig Released: 01-Aug-2008
 Status: Waiting On Service Rig (WOSR)
 Waiting On Service Rig: 01-Aug-2008
- Lic. No.: 6711 Grand Banks Sinclair Prov. HZNTL A2-11-7-29 (WPM)
 UWI: 102.02-11-007-29W1.00
- Revision to Report of: 28-Jul-2008
 Contractor: Ensign Canadian Drilling – **Rig. # 89**
- Spud Date: 28-Jul-2008
 K.B. Elevation: 512.06 m
 Surface Casing: 244.50 mm @ 135.00 m with 16.0 t
 Status: Drilling Ahead (DR)
 Drilling Ahead: 05-Aug-2008
- Lic. No.: 6712 Grand Banks Sinclair Prov. HZNTL 13-14-7-29 (WPM)
 UWI: 100.13-14-007-29W1.00 - Leg #1
- Finished Drilling: 29-Jul-2008
 Total Depth: 2232.00 m
 Status: Abandoned Dry (ABD D)
 Abandoned Dry: 29-Jul-2008
- UWI: 100.13-14-007-29W1.02 - Leg #2
- Please note new UWI**
- Kick-Off Date: 31-Jul-2008
 Kick-Off Point: 1544 m
 Finished Drilling: 04-Aug-2008
 Total Depth: 2427.00 m
 Status: Setting Liner (SETTING LINER)
 Setting Liner: 05-Aug-2008
- Lic. No.: 6713 Tundra Regent Prov. HZNTL 7-6-4-21 (WPM)
 UWI: 100.07-06-004-21W1.00 - Leg #1
- Finished Drilling: 03-Aug-2008
 Total Depth: 2171.00 m
- UWI: 100.03-06-004-21W1.02 - Leg #2
- Kick-Off Date: 03-Aug-2008
 Kick-Off Point: 909 m
 Status: Drilling Ahead (DR)
 Drilling Ahead: 05-Aug-2008

Lic. No.: 6716 North Virden Scallion Unit No. 1 HZNTL 10-28-11-26 (WPM)
UWI: 103.07-33-011-26W1.00

Please note new UWI

Finished Drilling: 26-Jul-2008
Total Depth: 672.00 m
Status: Abandoned Stratigraphic Test Hole (ABD STH)
Abd Stratigraphic Test Hole: 26-Jul-2008

UWI: 102.10-28-011-26W1.02 – Leg #1

Intermediate Casing: 177.80 mm @ 746.00 m with 22.0 t
Kick-Off Date: 03-Aug-2008
Kick-Off Point: 746 m
Finished Drilling: 03-Aug-2008
Total Depth: 1553.00 m

UWI: 102.10-28-011-26W1.03 – Leg #2

Kick-Off Date: 03-Aug-2008
Kick-Off Point: 769 m
Status: Drilling Ahead (DR)
Drilling Ahead: 05-Aug-2008

Lic. No.: 6720 WPX Gambler Prov. PTH 3-1-18-29 (WPM)
UWI: 100.03-01-018-29W1.00

Revision to Report of: 14-Jul-2008
Contractor: **Champion Drilling Ltd. - Rig# 20**

Spud Date: 30-Jul-2008
K.B. Elevation: 476.88 m
Surface Casing: 244.50 mm @ 153.00 m with 19.0 t
Status: Drill Stem Test (DST)
Drill Stem Test: 05-Aug-2008

Lic. No.: 6721 WPX Gambler Prov. PTH 16-11-18-29 (WPM)
UWI: 100.16-11-018-29W1.00

Status: Abandoned Potash Test Hole (ABD PTH)
Abandoned Potash Test Hole: 28-Jul-2008

Lic. No.: 6726 Tundra Sinclair 7-5-7-28 (WPM)
UWI: 100.07-05-007-28W1.00

Status: Completing (COMP)
Completing: 28-Jul-2008

- Lic. No.: 6727 Tundra Sinclair Prov. 11-24-7-29 (WPM)
 UWI: 100.11-24-007-29W1.00
- Status: Completing (COMP)
 Completing: 01-Aug-2008
- Lic. No.: 6735 Tundra Sinclair 12-25-7-29 (WPM)
 UWI: 100.12-25-007-29W1.00
- Revision to Report of: 28-Jul-2008
 Contractor: **Big Sky Drilling Inc. - Rig# 8**
- Spud Date: 30-Jul-2008
 K.B. Elevation: 509.13 m
 Finished Drilling: 01-Aug-2008
 Total Depth: 999.00 m
 Rig Released: 02-Aug-2008
 Surface Casing: 177.80 mm @ 139.00 m with 7.0 t
 Production Casing: 114.30 mm @ 998.00 m with 7.5 t
 Status: Waiting On Service Rig (WOSR)
 Waiting On Service Rig: 02-Aug-2008
- Lic. No.: 6736 Tundra Sinclair 13-25-7-29 (WPM)
 UWI: 100.13-25-007-29W1.00
- Finished Drilling: 28-Jul-2008
 Total Depth: 993.00 m
 Rig Released: 29-Jul-2008
 Production Casing: 114.30 mm @ 992.00 m with 7.3 t
 Status: Completing (COMP)
 Completing: 05-Aug-2008
- Lic. No.: 6739 Tundra Sinclair HZNTL 12-8-8-29 (WPM)
 UWI: 102.12-08-008-29W1.00 - Leg #1
- Revision to Report of: 28-Jul-2008
 Contractor: **Trinidad Drilling Ltd. - Rig. # 9**
- Spud Date: 04-Aug-2008
 K.B. Elevation: 534.40 m
 Surface Casing: 244.50 mm @ 138.50 m with 17.0 t
 Status: Drilling Ahead (DR)
 Drilling Ahead: 06-Aug-2008

- Lic. No.: 6741 White North Sinclair 3-27-8-28 (WPM)
 UWI: 100.03-27-008-28W1.00
- Licence Issued: 30-Jul-2008
 Licensee: White North Energy Corp.
 Mineral Rights: Freehold
 Contractor: TEMPCO DRILLING COMPANY INC. - Rig# 3
 Co-ords: 220.54 m (N) of (S) boundary of Sec. 27
 554.67 m (E) of (W) boundary of Sec. 27
 Grd Elev: 480.00 m
 Proj. TD: 887.00 m (Devonian)
 Field: Sinclair
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)
- Lic. No.: 6742 EOG Waskada 15-23-1-25 (WPM)
 UWI: 100.15-23-001-25W1.00
- Licence Issued: 30-Jul-2008
 Licensee: EOG Resources Canada Inc.
 Mineral Rights: Freehold
 Contractor: Precision Drilling (1987) Ltd. - Rig# 195
 Co-ords: 120.00 m (S) of (N) boundary of Sec. 23
 683.70 m (W) of (E) boundary of Sec. 23
 Grd Elev: 741.72 m
 Proj. TD: 980.00 m (Mississippian)
 Field: Waskada
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)
- Lic. No.: 6743 WPX St. Lazare Prov. PTH 4-11-17-28 (WPM)
 UWI: 100.04-11-017-28W1.00
- Licence Issued: 31-Jul-2008
 Licensee: Western Potash Corp.
 Mineral Rights: Freehold
 Contractor: Champion Drilling Ltd. - Rig# 20
 Co-ords: 296.37 m (N) of (S) boundary of Sec. 11
 107.37 m (E) of (W) boundary of Sec. 11
 Grd Elev: 480.38 m
 Proj. TD: 1,050.00 m (Devonian)
 Area: St. Lazare
 Classification: EXPLORATORY (Potash Test Hole)
 Status: Location (LOC)

- Lic. No.: 6744 WPX St. Lazare Prov. PTH 8-20-17-28 (WPM)
 UWI: 100.08-20-017-28W1.00
- Licence Issued: 31-Jul-2008
 Licensee: Western Potash Corp.
 Mineral Rights: Freehold
 Contractor: Champion Drilling Ltd. - Rig# 20
 Co-ords: 527.18 m (N) of (S) boundary of Sec. 20
 65.00 m (W) of (E) boundary of Sec. 20
 Grd Elev: 480.26 m
 Proj. TD: 1,050.00 m (Devonian)
 Area: St. Lazare
 Classification: EXPLORATORY (Potash Test Hole)
 Status: Location (LOC)
- Lic. No.: 6745 North Virden Scallion Unit No. 1 HZNTL 16-15-11-26 (WPM)
 UWI: 102.16-15-011-26W1.00 - Leg 1
 UWI: 102.08-15-011-26W1.02 - Leg 2
 UWI: 102.08-15-011-26W1.03 - Leg 3
- Licence Issued: 31-Jul-2008
 Licensee: Enerplus ECT Resources Ltd.
 Mineral Rights: Freehold
 Contractor: Ensign Canadian Drilling - Rig# 545
 Surf. Location: 1B-22-11-26 (WPM)
 Co-ords: 50.00 m (N) of (S) boundary of Sec. 22
 266.27 m (W) of (E) boundary of Sec. 22
 Grd Elev: 453.49 m
 Proj. TD - Leg 1: 969.00 m (Mississippian)
 Proj. TD - Leg 2: 1,650.00 m (Mississippian)
 Proj. TD - Leg 3: 1,652.00 m (Mississippian)
 Field: Virden
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)
- Lic. No.: 6746 North Virden Scallion Unit No. 1 HZNTL 4-34-11-26 (WPM)
 UWI: 102.04-34-011-26W1.00 - Leg 1
 UWI: 103.02-34-011-26W1.02 - Leg 2
 UWI: 103.02-34-011-26W1.03 - Leg 3
- Licence Issued: 01-Aug-2008
 Licensee: Enerplus ECT Resources Ltd.
 Mineral Rights: Freehold
 Contractor: Ensign Canadian Drilling - Rig# 545
 Surf. Location: 1A-33-11-26 (WPM)
 Co-ords: 200.00 m (N) of (S) boundary of Sec. 33
 50.00 m (W) of (E) boundary of Sec. 33
 Grd Elev: 459.73 m
 Proj. TD - Leg 1: 956.00 m (Mississippian)
 Proj. TD - Leg 2: 1,669.00 m (Mississippian)
 Proj. TD - Leg 3: 1,654.00 m (Mississippian)
 Field: Virden
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)

- Lic. No.: 6747 Tundra Sinclair Prov. HZNTL 9-20-7-28 (WPM)
 UWI: 100.09-20-007-28W1.00
- Licence Issued: 01-Aug-2008
 Licensee: Tundra Oil & Gas Partnership
 Mineral Rights: Crown
 Contractor: Trinidad Drilling Ltd. - Rig# 14
 Surf. Location: 12B-20-7-28 (WPM)
 Co-ords: 613.89 m (S) of (N) boundary of Sec. 20
 151.99 m (E) of (W) boundary of Sec. 20
 Grd Elev: 488.47 m
 Proj. KOP: m
 Proj. TD: 2,128.00 m (Devonian)
 Field: Sinclair
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)
- Lic. No.: 6748 Tundra Sinclair 9-35-7-29 (WPM)
 UWI: 100.09-35-007-29W1.00
- Licence Issued: 01-Aug-2008
 Licensee: Tundra Oil & Gas Partnership
 Mineral Rights: Freehold
 Contractor: Trinidad Drilling Ltd. - Rig# 9
 Co-ords: 538.21 m (S) of (N) boundary of Sec. 35
 211.82 m (W) of (E) boundary of Sec. 35
 Grd Elev: 509.78 m
 Proj. TD: 998.00 m (Devonian)
 Field: Sinclair
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)
- Lic. No.: 6749 Tundra Sinclair 12-35-7-29 (WPM)
 UWI: 100.12-35-007-29W1.00
- Licence Issued: 01-Aug-2008
 Licensee: Tundra Oil & Gas Partnership
 Mineral Rights: Freehold
 Contractor: Trinidad Drilling Ltd. - Rig# 9
 Co-ords: 544.23 m (S) of (N) boundary of Sec. 35
 235.66 m (E) of (W) boundary of Sec. 35
 Grd Elev: 513.40 m
 Proj. TD: 1,005.00 m (Devonian)
 Field: Sinclair
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)

Lic. No.: 6750 Tundra Sinclair Prov. HZNTL 13-29-7-29 (WPM)
 UWI: 100.13-29-007-29W1.00

Licence Issued: 01-Aug-2008
 Licensee: Tundra Oil & Gas Partnership
 Mineral Rights: Crown
 Contractor: Trinidad Drilling Ltd. - Rig# 14
 Surf. Location: 13C-28-7-29 (WPM)
 Co-ords: 200.02 m (S) of (N) boundary of Sec. 28
 79.09 m (E) of (W) boundary of Sec. 28
 Grd Elev: 521.97 m
 Proj. KOP: m
 Proj. TD: 2,238.00 m (Devonian)
 Field: Sinclair
 Classification: DEVELOPMENT (Well)
 Status: Location (LOC)

Lic. No.: 6751 Tundra Sinclair Prov. HZNTL 16-11-8-28 (WPM)
 UWI: 100.16-11-008-28W1.00

Licence Issued: 01-Aug-2008
 Licensee: Tundra Oil & Gas Partnership
 Mineral Rights: Crown
 Contractor: Trinidad Drilling Ltd. - Rig# 9
 Surf. Location: 13B-11-8-28 (WPM)
 Co-ords: 220.00 m (S) of (N) boundary of Sec. 11
 60.00 m (E) of (W) boundary of Sec. 11
 Grd Elev: 486.48 m
 Proj. KOP: m
 Proj. TD: 2,075.00 m (Devonian)
 Field: Sinclair
 Classification: EXPLORATORY (Outpost)
 Status: Location (LOC)

WELL NAME CHANGES

Lic. No.: 3871 From: Leader Sinclair 7-33-8-28 (WPM)
 To: Leader Sinclair COM 7-33-8-28 (WPM)

Lic. No.: 6594 From: White North Sinclair 13-22-8-28 (WPM)
 To: White North Sinclair COM 13-22-8-28 (WPM)

| Wells Released from Confidential in July 2008 | | | | | | | | | | |
|--|-----------------------------------|-----------------|----------------|------------|------------|------------|------------|---------------|--------------|-------------|
| LIC # | WELL_NAME | Re-entry | Redrill | LSD | SEC | TWP | RGE | STATUS | FIELD | Code |
| 6314 | Tundra Sinclair Prov. | N | | 06 | 34 | 07 | 29 | COMP | 16 | |
| 6347 | Tundra Daly Prov. COM | N | | 12 | 10 | 09 | 29 | COOP | 1 | 62B |
| 6347 | Tundra Daly Prov. COM | N | | 12 | 10 | 09 | 29 | COOP | 1 | 59D |
| 6361 | Antler River Sinclair Prov. | N | | 05 | 22 | 07 | 28 | COOP | 16 | 62B |
| 6370 | Tundra Daly Prov. | N | | 04 | 11 | 09 | 29 | COOP | 1 | 62B |
| 6419 | Kiwi Daly COM | N | | 14 | 22 | 09 | 28 | COOP | 1 | 59B |
| 6419 | Kiwi Daly COM | N | | 14 | 22 | 09 | 28 | COOP | 1 | 62B |
| 6462 | Tundra Daly Prov. | N | | 02 | 10 | 09 | 29 | COOP | 1 | 62B |
| 6554 | Tundra Sinclair Prov. | N | | 02 | 24 | 07 | 29 | COOP | 16 | 62B |
| 6595 | Antler River Sinclair | Y | | 10 | 16 | 07 | 28 | COOP | 16 | 62B |
| 6606 | CNRL Pierson | N | | 11 | 24 | 02 | 29 | COMP | 7 | |
| 6607 | CNRL Pierson | N | A | 14 | 24 | 02 | 29 | COMP | 7 | |
| 6630 | New Midland et al Goodlands HZNTL | N | | 08 | 09 | 02 | 24 | COMP | 99 | |
| 6635 | EOG Waskada HZNTL | N | | 01 | 08 | 01 | 24 | COOP | 3 | 29I |
| 6636 | EOG Waskada HZNTL | N | | 08 | 17 | 02 | 25 | COOP | 3 | 29A |
| 6643 | Tundra Pierson HZNTL | N | | 16 | 17 | 03 | 28 | COMP | | |
| 6657 | Tundra Sinclair Prov. | N | | 08 | 32 | 07 | 29 | COMP | | |
| 6658 | Tundra Sinclair Prov. | N | | 13 | 16 | 07 | 28 | COMP | | |
| 6659 | Grand Banks Sinclair Prov. HZNTL | N | | 02 | 11 | 07 | 29 | WOSR | | |
| 6660 | Grand Banks Sinclair Prov. HZNTL | N | | 04 | 12 | 07 | 29 | WOSR | | |
| 6661 | Black Gold Sinclair | N | | 11 | 33 | 08 | 28 | COMP | | |
| 6663 | 4996446 Virden | Y | A | 15 | 36 | 09 | 26 | COOP | 5 | 59B |
| 6665 | Tundra Sinclair HZNTL | N | | 04 | 08 | 08 | 28 | COMP | | |
| 6666 | White North Sinclair COM | N | | 04 | 27 | 08 | 28 | COOP | 16 | 59F |
| 6666 | White North Sinclair COM | N | | 04 | 27 | 08 | 28 | COOP | 16 | 62B |
| 6667 | White North Sinclair COM | N | | 06 | 27 | 08 | 28 | COOP | 16 | 59F |
| 6667 | White North Sinclair COM | N | | 06 | 27 | 08 | 28 | COOP | 16 | 62B |
| 6668 | Tundra Sinclair HZNTL | N | | 01 | 08 | 09 | 29 | COMP | | |
| 6670 | Tundra Sinclair | N | | 11 | 05 | 07 | 28 | COMP | | |
| 6671 | Tundra Sinclair | N | | 12 | 05 | 07 | 28 | COMP | | |
| 6672 | Tundra Sinclair | N | | 13 | 05 | 07 | 28 | WOSR | | |
| 6674 | CNRL Pierson | N | | 10 | 24 | 02 | 29 | COMP | | |
| 6675 | CNRL Pierson | N | | 16 | 24 | 02 | 29 | COMP | | |
| 6678 | Border Sinclair | N | | 02 | 35 | 07 | 29 | COMP | | |
| 6681 | Tundra Sinclair HZNTL | N | | 01 | 26 | 08 | 29 | COMP | | |
| 6684 | Tundra Sinclair Prov. | N | | 02 | 20 | 07 | 28 | WOSR | | |
| 6685 | Tundra et al Daly Prov. HZNTL | N | | 03 | 11 | 09 | 29 | COMP | | |
| 6687 | Tundra Underhill HZNTL | N | | 11 | 02 | 05 | 22 | COMP | | |
| 6691 | Tundra et al Sinclair HZNTL | N | | 04 | 32 | 08 | 28 | WOSR | | |
| 6695 | Tundra et al Sinclair | N | | 01 | 31 | 07 | 28 | COMP | | |



INFORMATIONAL NOTICE 08-03

July 25, 2008

Mandatory Electronic Data Submission Requirements – Deviation and Directional Surveys

The Manitoba Petroleum Branch is requesting that deviation and directional surveys be submitted in a standardized digital format (specified in Schedule A) in order to comply with Section 110 of the Drilling and Production Regulation under The Oil and Gas Act.

Deviation and directional surveys

110(1) *While drilling a well, the licensee shall conduct deviation surveys at depth intervals not exceeding 150 m.*

110(2) *Unless the director otherwise authorizes the licensee in writing, the licensee shall conduct a directional survey of the well, if:*

- (a) the surface location of the well is nearer to the boundary of its target area than 2% of the depth of the well; or*
- (b) the well is drilled directionally or horizontally;*

and before placing the well on production shall submit a copy of the results of the survey to the branch.

The reason for this request is that it will facilitate data transfer and management in a uniform format. Commencing September 1, 2008, deviation and directional surveys will be required to be submitted in a comma delimited ASCII format. Schedule A outlines the specifications of the comma delimited file.

If your choice of submission is by mail or courier the delivery address will be:

Barb Johnston
 Petroleum Technician
 Science, Technology, Energy and Mines
 Petroleum Branch
 P.O. Box 1359
 Virden, MB R0M 2C0

Alternative delivery methods, rather than mail or courier, may be arranged with the Branch by request.

Should you have any questions regarding well bore survey digital submission requirements to the Branch, or if there are any questions regarding the timeline, please contact:

Paul Legare, Digital Information Services at (204) 748-4263 or e-mail: paul.legare@gov.mb.ca.

Keith Lowdon
 Director of Petroleum

Schedule A

Deviation and Directional Survey Submissions

Format

- The following data must accompany the well bore values. Header information (listed below) must be contained within the first seven (7) rows within the data file.
- Survey Data must be submitted as a comma delimited, starting on the ninth row, containing the following information (listed below) in the specified order:

Header Information

| | | | |
|--------------------------|----------|--------------|----------------------------|
| UWI / WELL LOCATION | NOT NULL | VARCHAR2(21) | i.e. 100.01-01-010-28W1.00 |
| SURVEY_DATE | | DATE | |
| COMPANY_NAME | NOT NULL | VARCHAR2(60) | |
| CURVE_TYPE | NOT NULL | VARCHAR2(8) | i.e. Minimum Curve |
| CALCULATED_ANGLE | | NUMBER(7,4) | True North = 0 |
| DOG_LEG_INTERVAL_METRES | NOT NULL | NUMBER(3) | |
| VERTICAL_SECTION_AZIMUTH | | NUMBER(5,2) | |

Survey Data

| | | | |
|-------------------------|----------|--------------|-----------------------|
| MEASURED_DEPTH_METRES | NOT NULL | NUMBER(6,2) | |
| DRIFT_INCLINATION | NOT NULL | NUMBER(5,2) | |
| AZIMUTH_DEGREES | NOT NULL | NUMBER(4,1) | |
| TVD_METRES | NOT NULL | NUMBER(6,2) | |
| DOG_LEG | | NUMBER(4,1) | |
| VERTICAL_SECTION_METRES | | NUMBER(6,2) | |
| NORTHING_METRES | NOT NULL | NUMBER(7,2) | |
| EASTING_METRES | NOT NULL | NUMBER(7,2) | |
| SUBSEA | | NUMBER(6,2) | |
| NORTHING | | NUMBER(14,2) | |
| EASTING | | NUMBER(14,2) | |
| EXTRAPOLATED | | VARCHAR2(1) | Note: 'Y' or 'N' only |
| BUILD_RATE | | NUMBER(4,2) | |

NOTE: All fields marked as "NOT NULL" must be populated.