



# **Manitoba's Designated Oil Fields & Pools 2010**

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**Manitoba Innovation Energy & Mines  
Manitoba Petroleum Branch**

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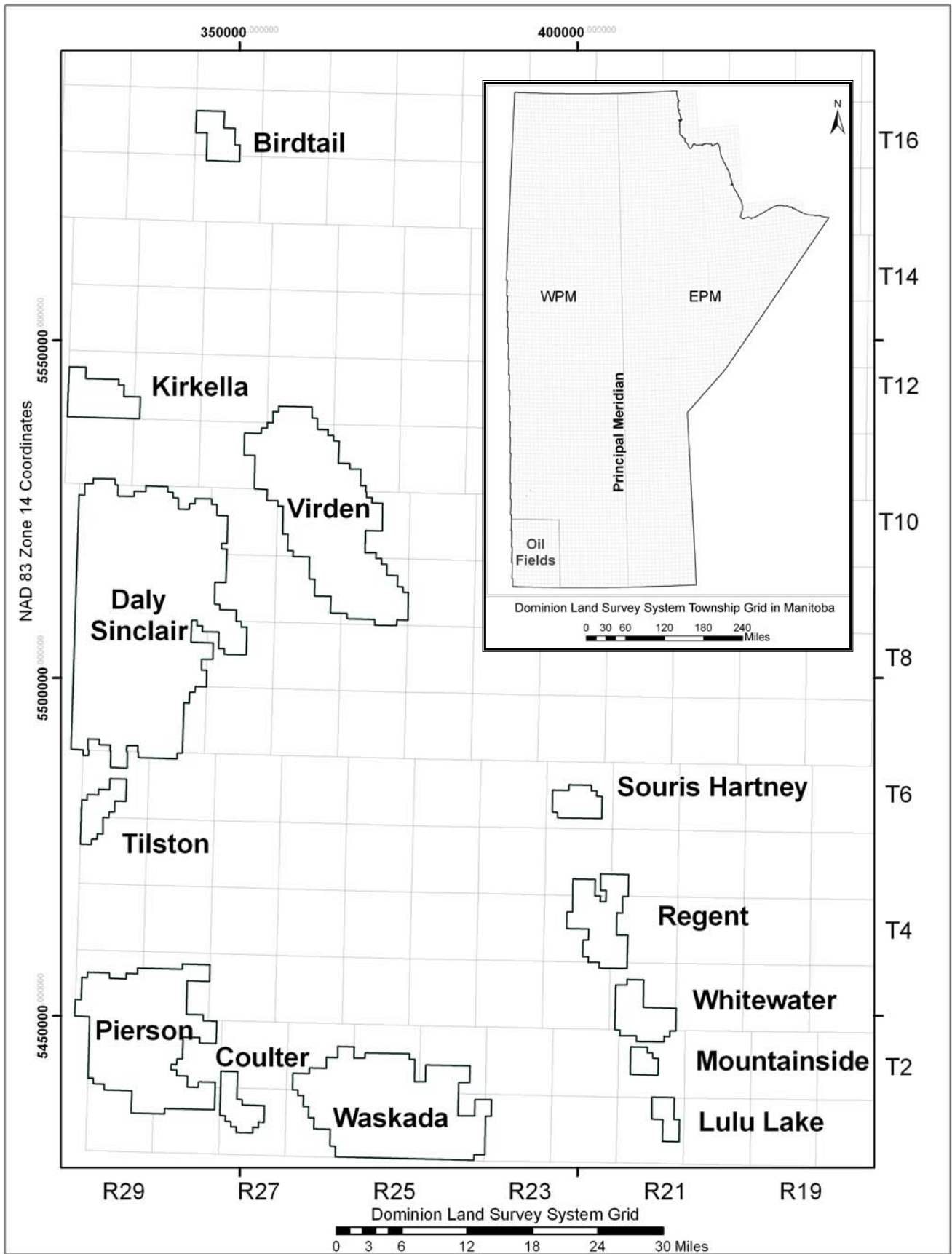
## FOREWORD

This annual report was compiled by P. Fulton-Regula, M.Sc., P.Geo. for the Director of the Petroleum Branch in accordance with section 11(4) of The Oil & Gas Act. This order does not include previously designated fields and pools that have been amalgamated or reassigned. Information pertaining to the history of field or pool designations may be obtained by contacting the Petroleum Branch.

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**Figure 1 – 2010 Oil Field Location Map**

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## MANITOBA'S DESIGNATED FIELDS

Effective **January 1, 2010**, the following Fields are designated under clause 11(4)(b) of The Oil and Gas Act.

The area encompassed by each Field is outlined on the reference plats listed on pages 10 to 18.

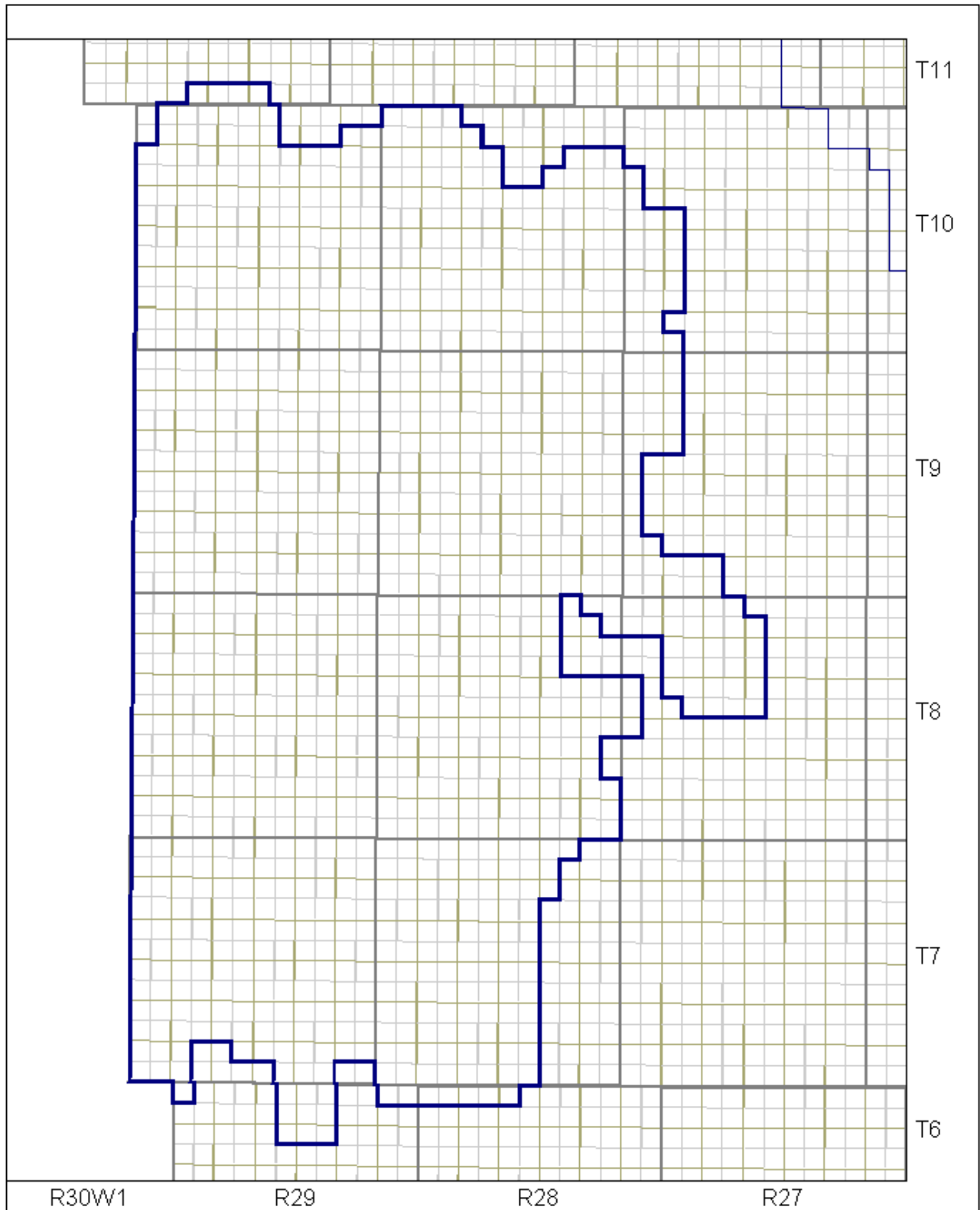


Keith Lowdon, Director

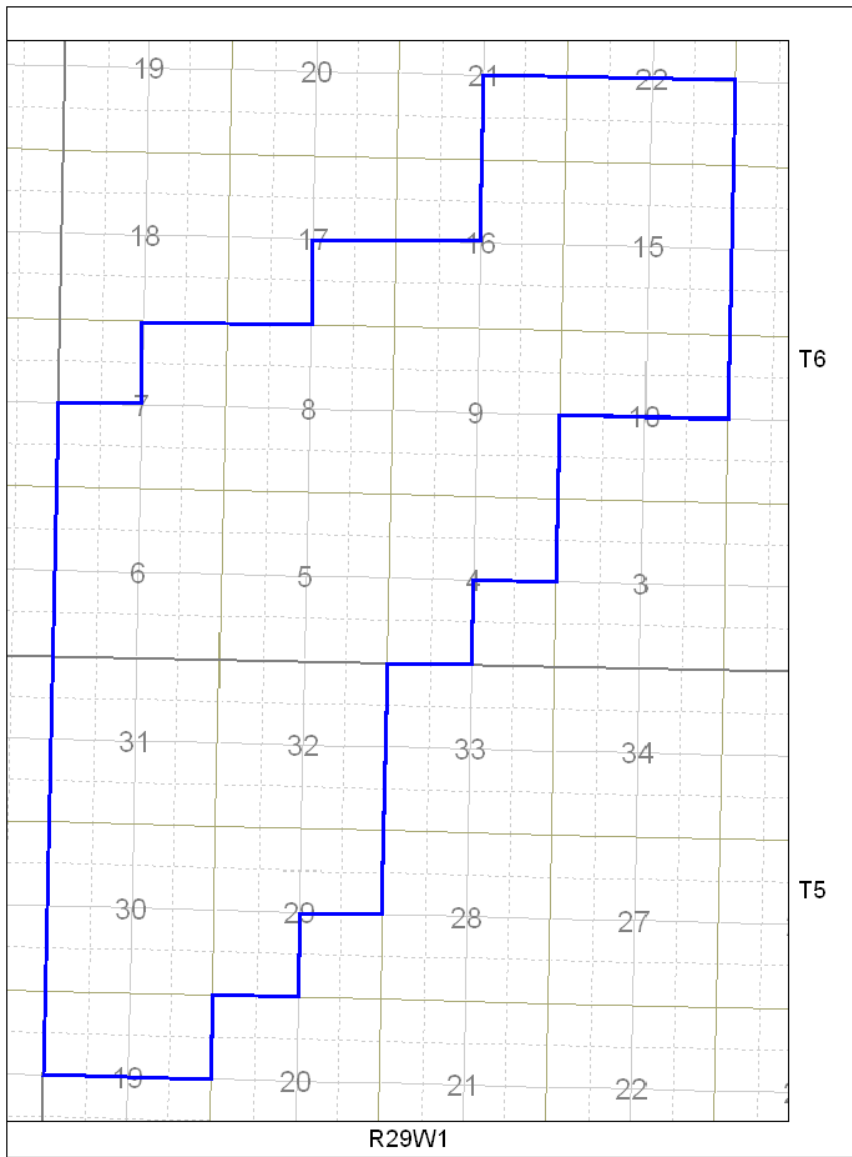
<b>FIELD</b>	<b>CODE</b>	<b>PLAT</b>
Daly Sinclair Field	01	p. 10
Tilston Field	02	p. 11
Waskada Field	03	p. 12
Lulu Lake Field	04	p. 11
Viriden Field	05	p. 13
Whitewater Field	06	p. 14
Pierson Field	07	p. 15
Kirkella Field	09	p. 16
Souris Hartney Field	10	p. 16
Coulter Field	11	p. 17
Regent Field	13	p. 17
Mountainside Field	14	p. 18
Birdtail Field	15	p. 18



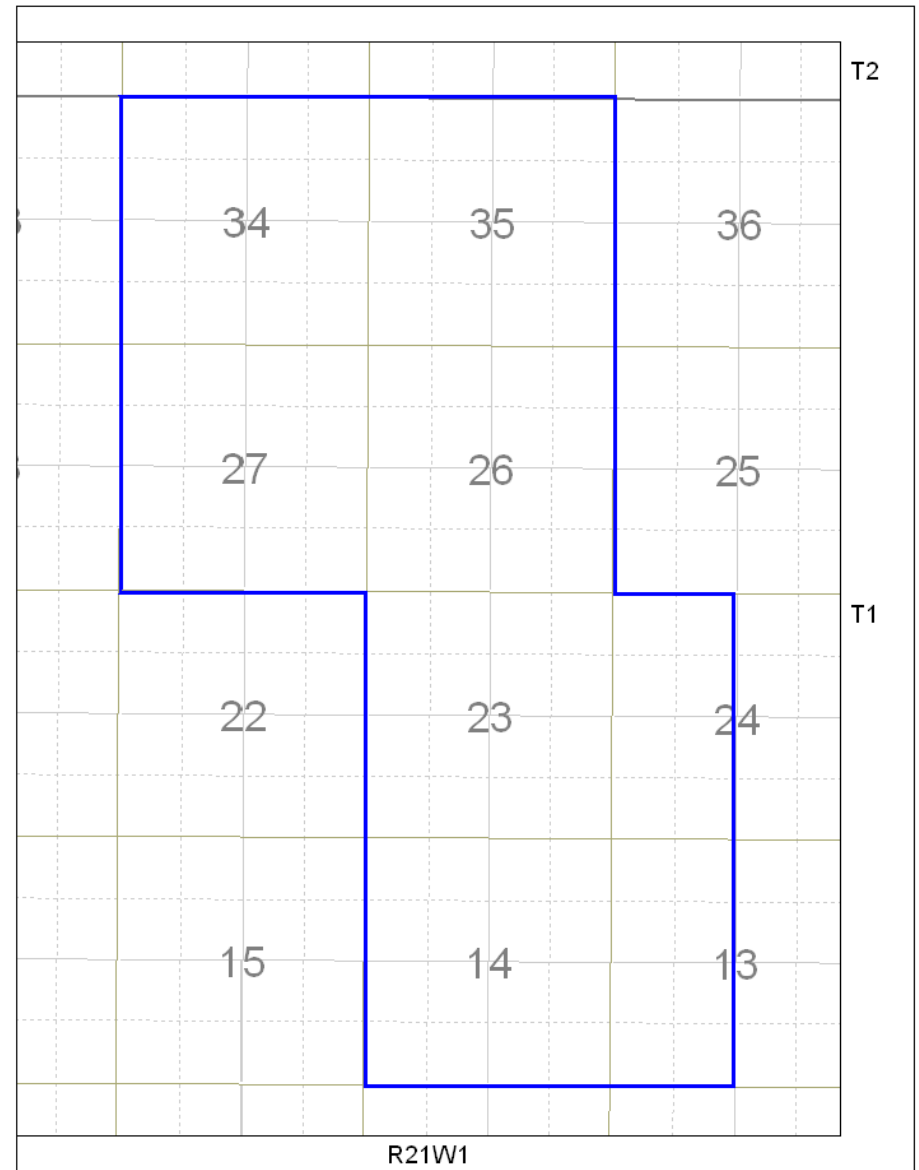
**MANITOBA'S DESIGNATED FIELDS  
(FIELD PLATS)**



**Daly Sinclair Field (01)**

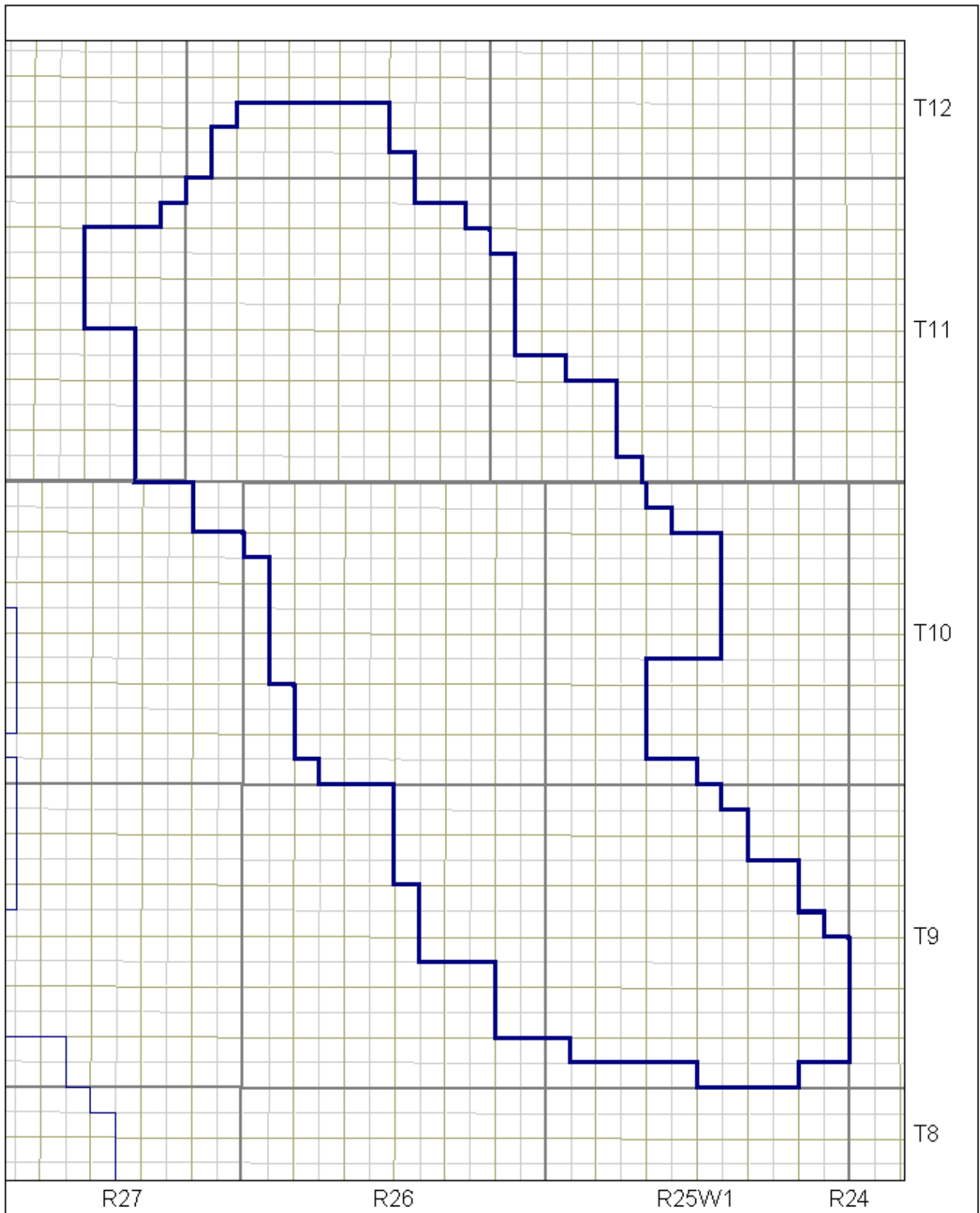


**Tilston Field (02)**

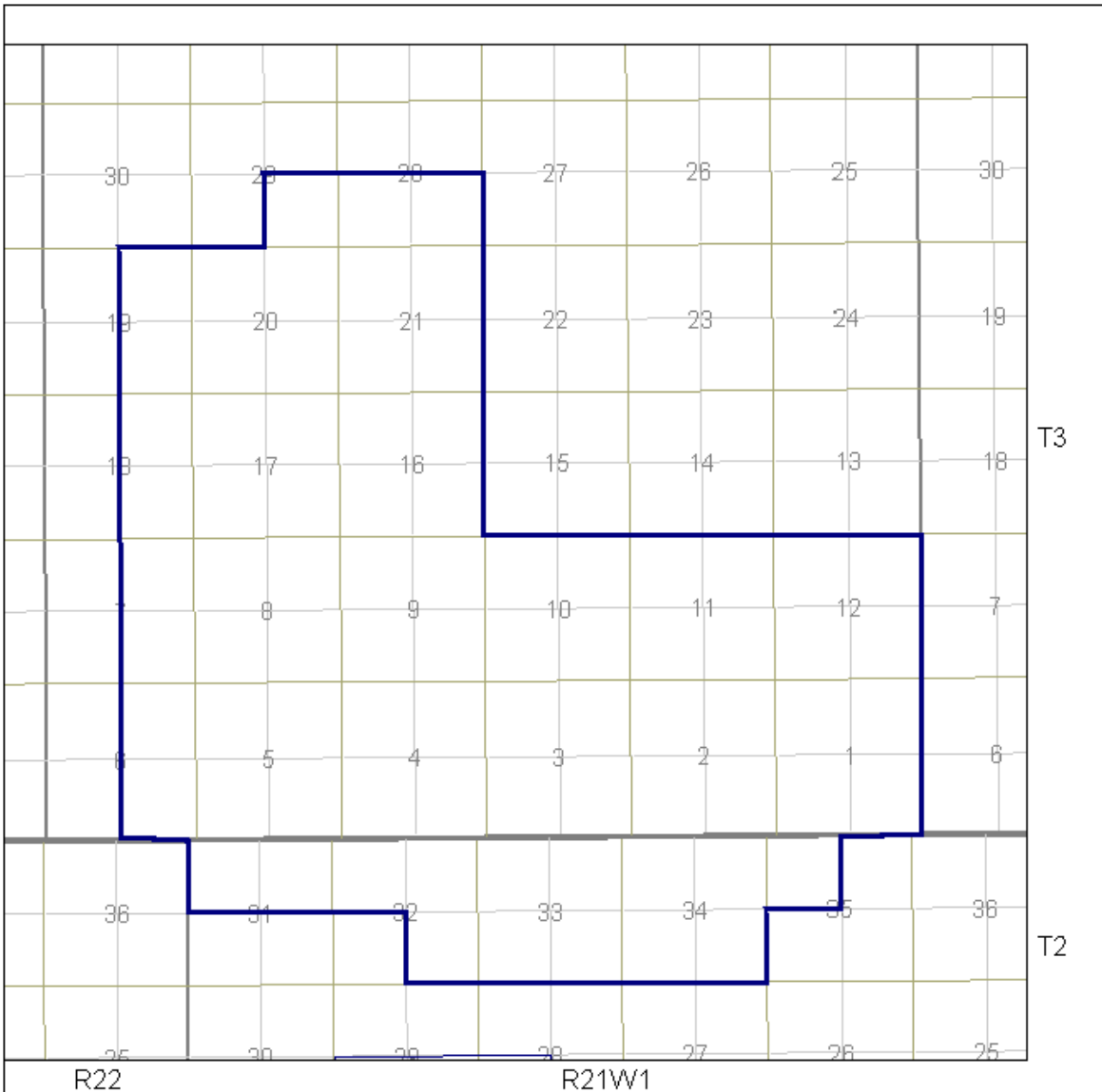


**Lulu Lake Field (04)**



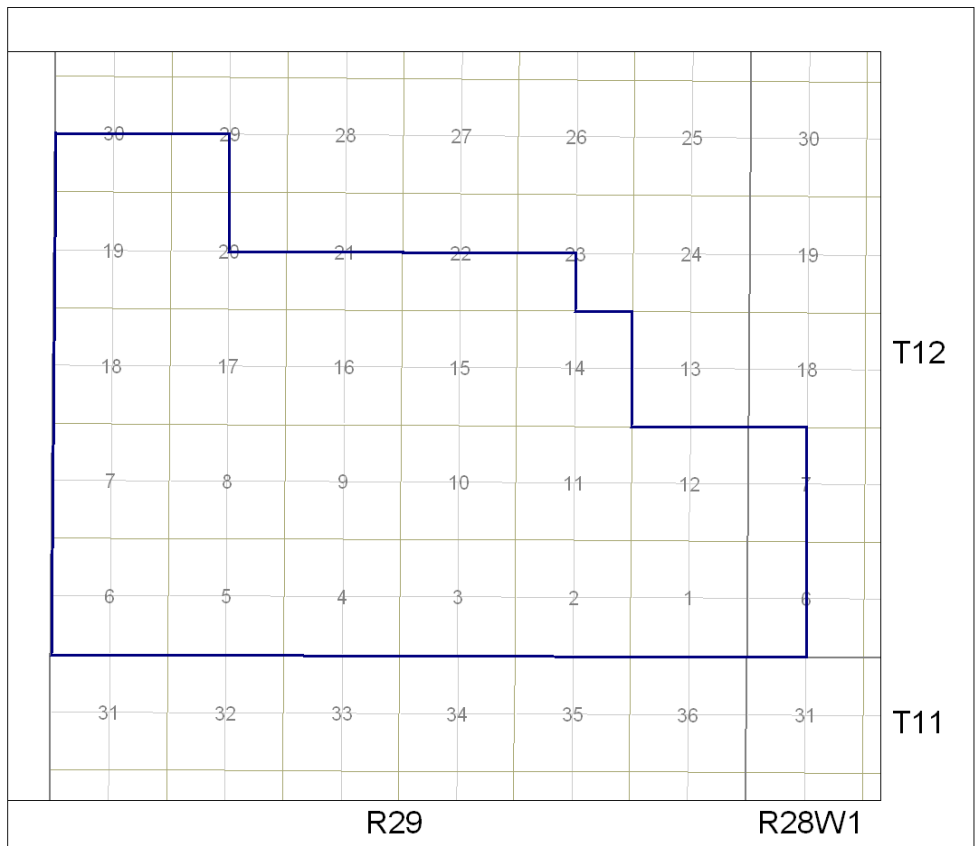


**Virden Field (05)**

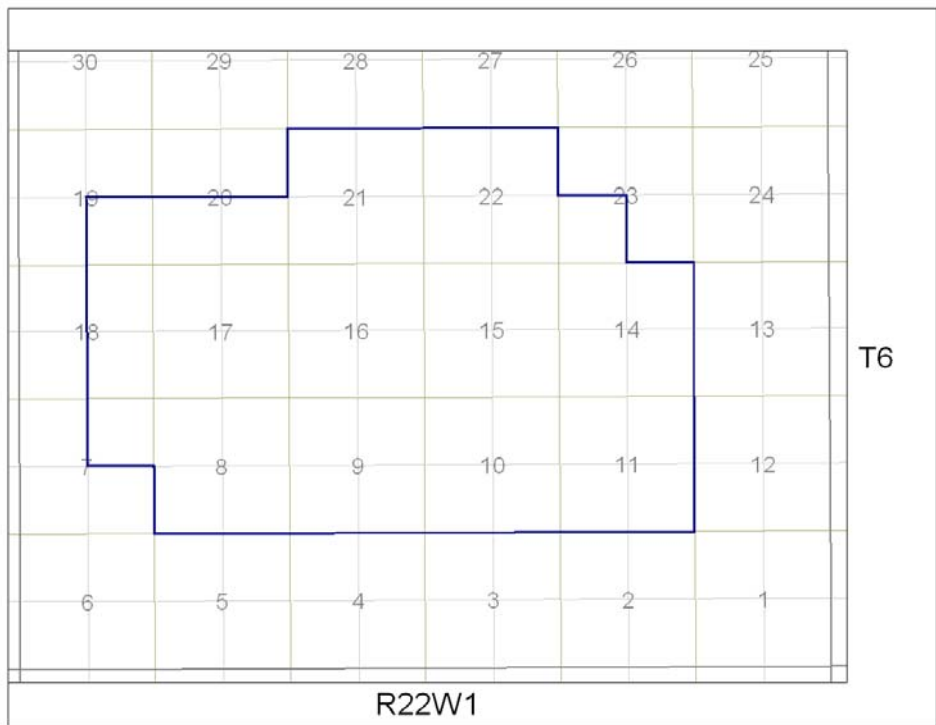


**Whitewater Lake Field (06)**



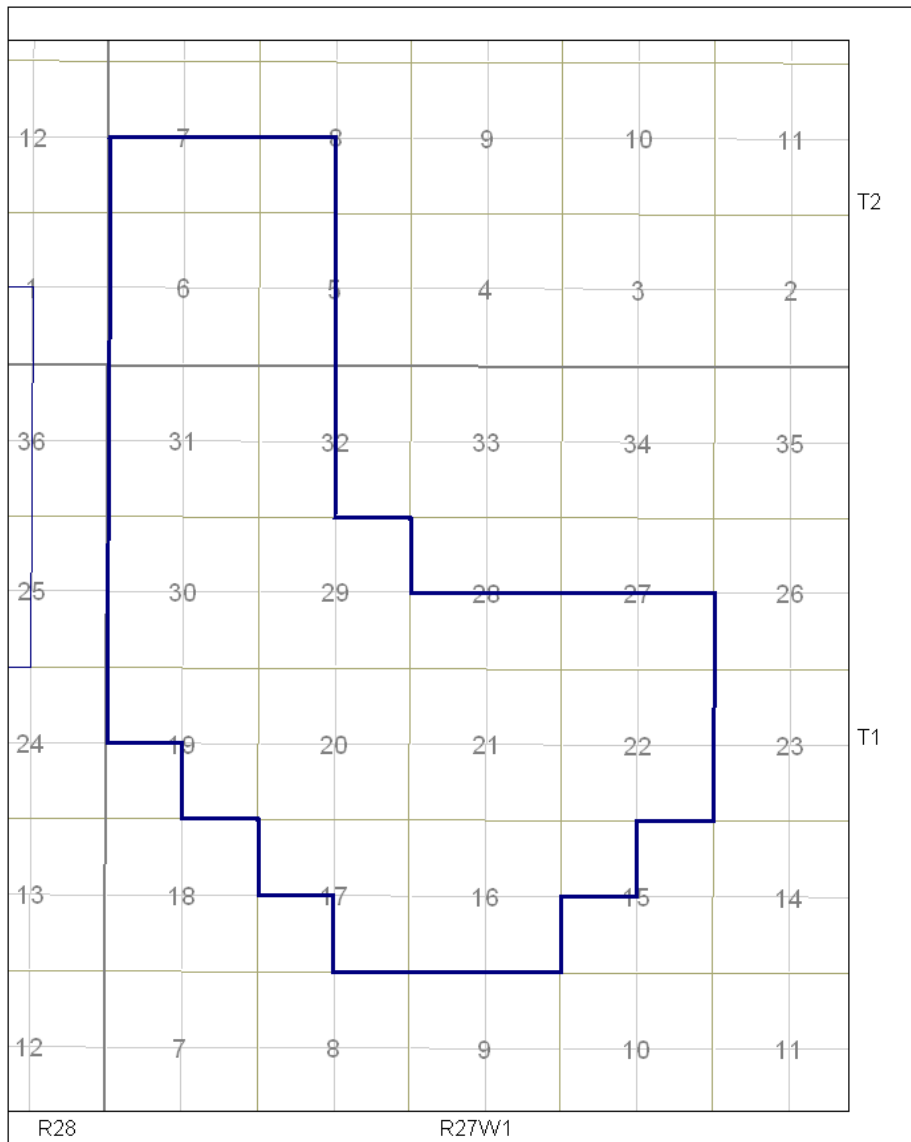


**Kirkella Field (09)**

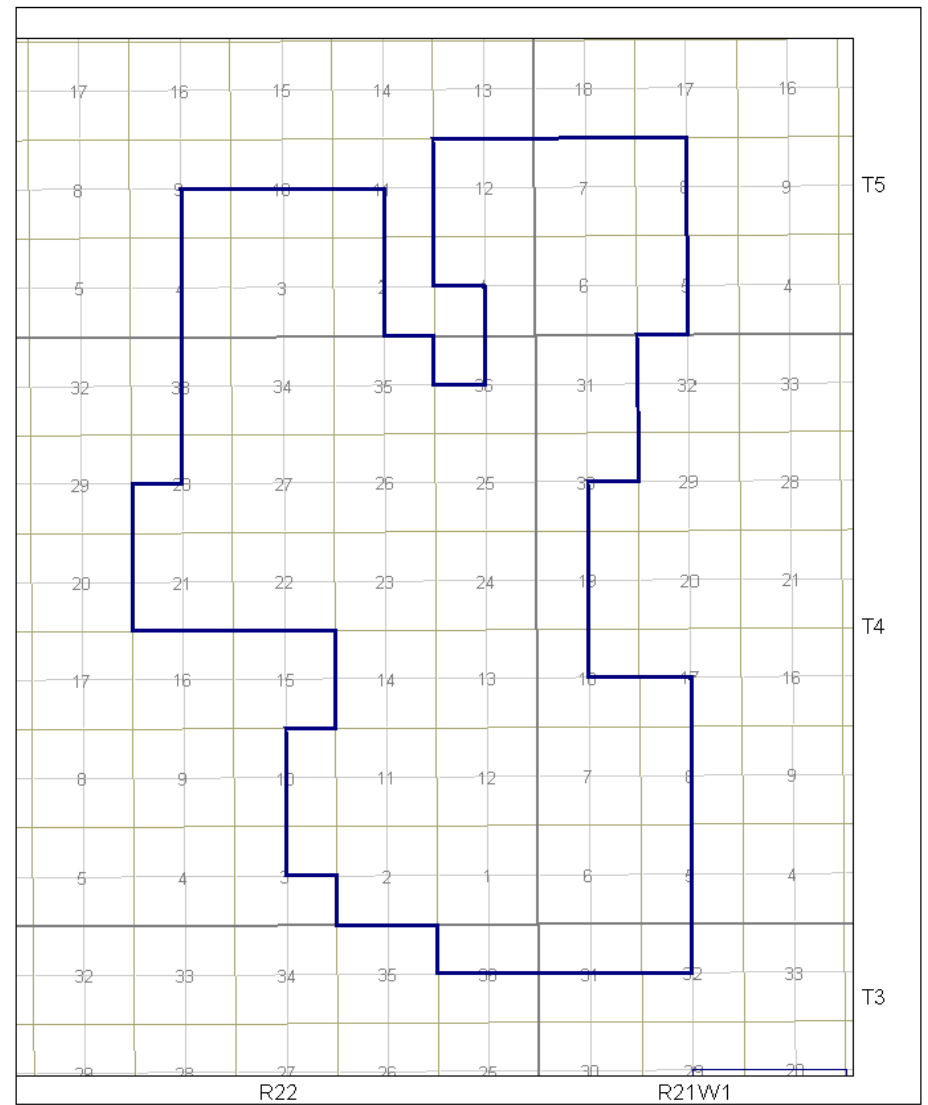


**Souris Hartney Field (10)**

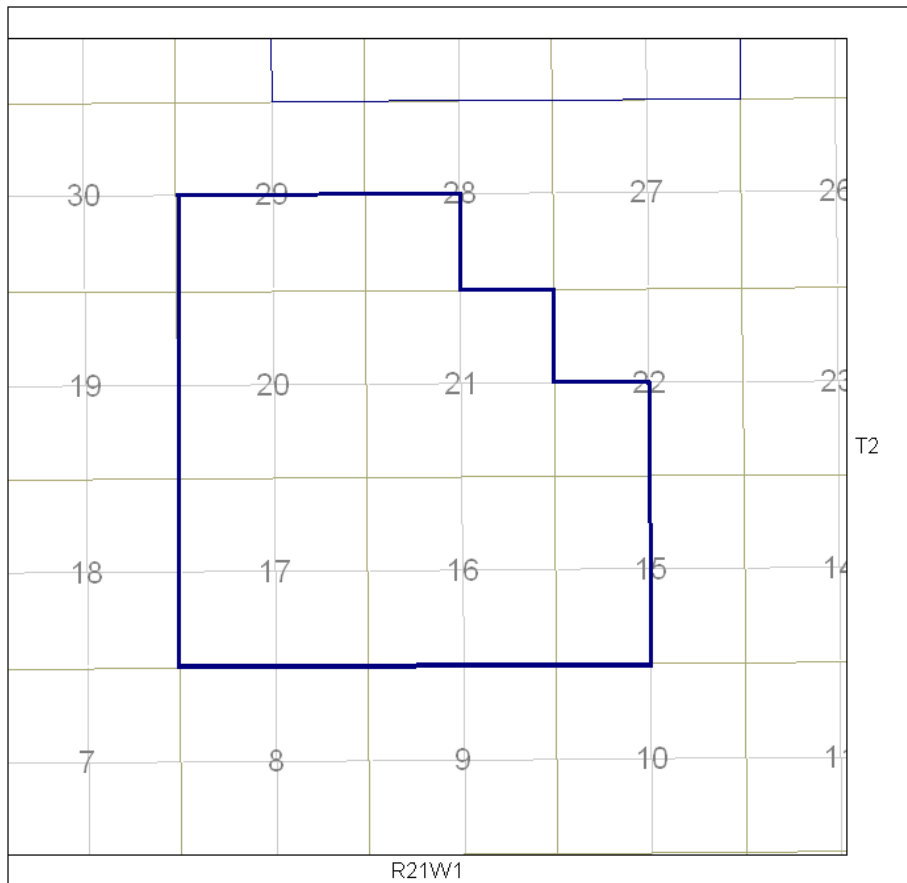




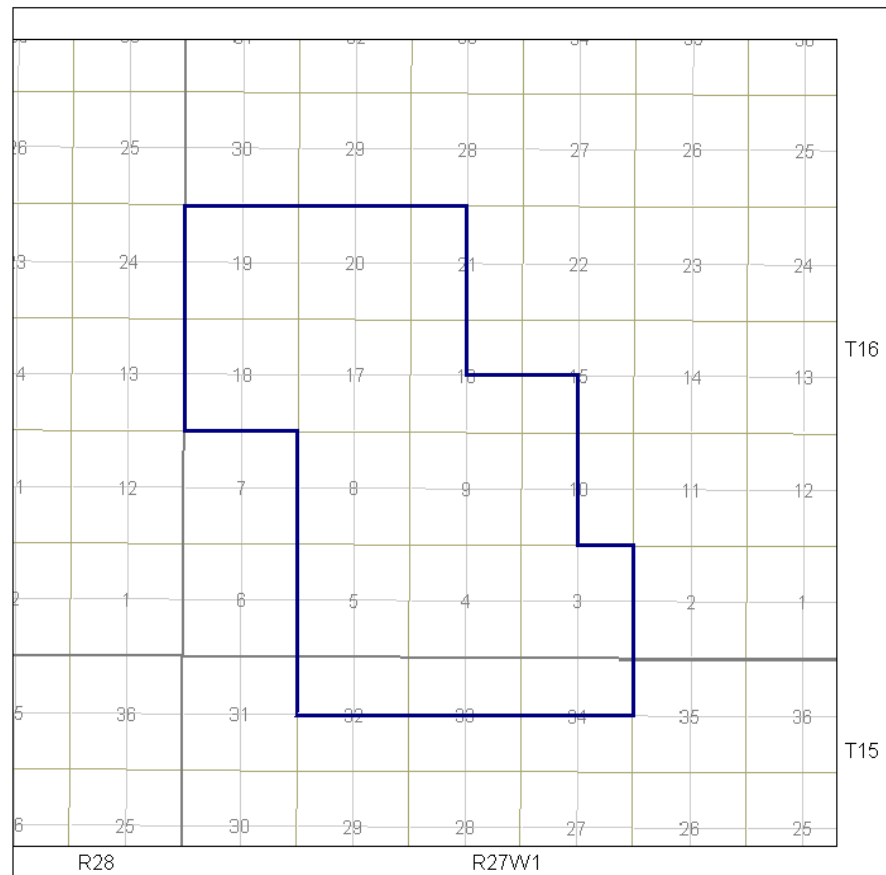
**Coulter Field (11)**



**Regent Field (13)**



**Mountainside Field (14)**

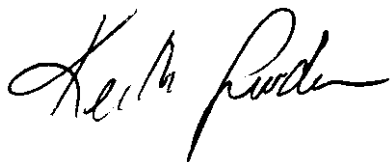


**Birdtail Field (15)**

## MANITOBA'S DESIGNATED POOLS

Effective **January 1, 2010** the following Pools are designated under clause 11(4)(a) of the Oil and Gas Act.

The area encompassed by each Pool and stratigraphic interval is described herein, or outlined on the reference plats listed on pages 32 to 79.

A handwritten signature in black ink, appearing to read "Keith Lowdon". The signature is written in a cursive style with a large initial "K" and a long, sweeping underline.

Keith Lowdon, Director

**MANITOBA'S DESIGNATED POOLS**

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
<b>DALY SINCLAIR FIELD</b>					
Lodgepole A	01 59A	31	-	100/14-04-010-28W1/00	725.4-821.4
Lodgepole B	01 59B	31	-	100/13-14-009-28W1/00	736.4-832.7
Lodgepole C	01 59C	31	-	100/03-33-008-27W1/00	736.7-837.0
Lodgepole D	01 59D	31	-	100/07-26-009-29W1/00	783.3-883.3
Lodgepole E	01 59E	31	-	100/13-21-010-28W1/00	718.5-802.2
Lodgepole F	01 59F	31	-	100/03-31-009-29W1/00	819.0-913.0
Lodgepole I	01 59I	31	-	100/05-07-010-29W1/00	822.0-865.0
Lodgepole K	01 59K	31	Lsd 8-30-10-29	100/08-30-010-29W1/00	788.0-877.5
Lodgepole P	01 59P	31	Lsd 3-27-10-29	100/03-27-010-29W1/00	769.0-853.2
Lodgepole S	01 59S	31	Lsd 15-12-9-29	100/15-12-009-29W1/00	816-819
Lodgepole T	01 59T	31	Lsd's 1,2,7,8, 9 & 10-17-10-29	100/08-17-010-29W1/00	808.0-813.0
Lodgepole V	01 59V	31	Lsd's 3,4,5 & 6-7-9-29	100/04-07-009-28W1/00	798-804
Lodgepole W	01 59W	31	Lsd 10-18-07-29	100/10-18-007-29W1/00	927.5-932.5
Lodgepole X	01 59X	31	Lsd 02-21-07-28	100/02-21-007-28W1/00	
Lodgepole Y	01 59Y	31	Lsd 3-3-009-29	100/03-03-009-29W1/00	822.5-825.5
Lodgepole Z	01 59Z	31	Lsd 16-35-8-29 & Lsd 13-36-8-29	100/16-35-008-29W1/00	812.0-880.0
Lodgepole AA	01 59AA	31	-	100/06-15-008-28W1/00	778.0-888.0
Lodgepole BB	01 59BB	31	Lsd 15-17-8-28	100/15-17-008-28W1/00	793.0-903.0
Lodgepole CC	01 59CC	31	-	100/12-05-009-29W1/00	839.0-951.0
Lodgepole DD	01 59DD	31	-	100/06-33-008-28W1/00	769.0-872.0
Lodgepole EE	01 59EE	31	Lsd 15-5-8-28	100/15-05-008-28W1/00	826.5-832.5
Bakken A	01 60A	32	-	100/13-21-010-29W1/00	875.0-881.0
Bakken B	01 60B	32	-	100/10-29-010-28W1/00	811.5-817.0

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
Bakken G	01 60G	32	Lsd 13-6-9-27	100/13-06-009-27W1/00	828.0-832.0
Bakken I	01 60I	32	-	100/02-23-009-28W1/02	829.8-834.7
Bakken J	01 60J	32	Lsd's 7, 8, 9 & 10-18-10-27	100/07-18-010-27W1/02	780.3-784.6
Bakken L	01 60L	32	Lsd 16-10-10-28	100/16-10-010-28W1/02	809.5-813.0
Bakken M	01 60M	32	Lsd's 5,6,7,10 & 15-2-10-29	100/15-02-010-29W1/02	865.0-869.2
Bakken N	01 60N	32	-	100/14-24-009-29W1/02	776.5-881.0
Bakken P	01 60P	32	-	100/12-28-009-28W1/02	842.7-845.7
Bakken Q	01 60Q	32	-	100/03-27-009-28W1/02	746.0-748.0
Bakken R	01 60R	32	Lsd 3, 4, 5 & 6-13-9-29	100/03-13-009-29W1/02	903.5-906.5
Bakken U	01 60U	32	Lsd 2-19-9-29	100/02-19-009-29W1/02	934.5-942.5
Bakken V	01 60V	32	Lsd 16-30-9-28	102/16-30-009-28W1/02	860.8-862.3
Bakken X	01 60X	32	Lsd's 5, 6 & 7-16-10-28	100/05-16-010-28W1/02	824.5-826.0
Bakken Z	01 60Z	32	-	100/08-07-010-28W1/02	833.0-836.0
Bakken BB	01 60BB	32	-	100/04-08-010-29W1/02	887.4-890.5
Bakken DD	01 60DD	32	-	100/15-33-009-28W1/02	828.4-830.4
Bakken FF	01 60FF	32	Lsd's 13,14,15 & 16-08-09-28	100.16-08-009-28W1.00	868.7-880.28
Bakken-Three Forks A	01 62A	33	-	100/01-22-010-29W1/00	859.5-866.0
Bakken-Three Forks B	01 62B	33	-	100/04-21-009-29W1/02	917.0-927.0
Bakken-Three Forks D	01 62D	33	Lsd 7-18-10-29	100/07-18-010-29W1/02	888.0-896.0
Bakken-Three Forks N	01 62N	33	Lsd 4-24-10-28	103/04-24-010-28W1/02	814.0-917.0
Bakken-Three Forks S	01 62S	33	-	100/10-18-007-29W1/00	1061.5-1063
Bakken-Three Forks T	01 62T	33	Lsd 11-7-7-29	100/11-07-007-29W1/00	1066-1072.4
Bakken-Three Forks U	01 62U	33	Lsd 10-18-7-29	100/10-18-007-29W1/02	1061.5-1063
Bakken-Three Forks V	01 62V	33	Lsd's 4,5,12-07-09-29	100/12-07-009-29W1/00	963-966
Three Forks A	01 65A	34	Lsd 1-14-8-29	100/01-14-008-29W1/00	967.0-969.0
Three Forks B	01 65B	34	Lsd 9-30-7-28	100/09-30-007-28W1/00	969.0-971.0

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
<b>TILSTON FIELD</b>					
Mission Canyon 1 A	02 44A	35	-	100/06-31-005-29W1/00	940.0-969.0
Mission Canyon 1 C	02 44C	35	-	100/02-08-006-29W1/00	925.0-940.0
Mission Canyon 1 D	02 44D	35	-	100/11-15-006-29W1/00	907.0-910.5
<b>WASKADA FIELD</b>					
Favel A	03 10A	36	Lsd 1-3-2-25	100/01-03-002-25W1/02	479.5-841.0
Favel B	03 10B	36	Lsd 3-27-1-25	100/03-27-001-25W1/02	478.0-479.5
Favel C	03 10C	36	Lsd 10-17-1-24	100/10-17-001-24W1/00	481.5-484.5
Lower Amaranth A	03 29A	37	-	100/11-30-001-25W1/03	884.5-920.5
Lower Amaranth I	03 29I	37	-	100/03-01-001-25W1/00	873.7-910.0
Lower Amaranth J	03 29J	37	Lsd 1-3-01-25	100/01-03-001-25W1/00	885.0-920.5
Lower Amaranth K	03 29K	37	Lsd 3-24-1-25	100/03-24-001-25W1/02	866.0-898.0
Lower Amaranth L	03 29L	37	-	100/10-04-001-25W1/00	890.2-923.4
Lower Amaranth O	03 29O	37	Lsd 13, 14, 15 & 16-10-2-24, & Lsd 13-11-2-24	100/13-10-002-24W1/00	869.5-879.5
Mission Canyon 3b A	03 42A	38	-	100/11-30-001-25W1/03	920.5-929.6
Mission Canyon 3b B	03 42B	38	-	100/13-27-001-26W1/00	920.0-936.5
Mission Canyon 3b C	03 42C	38	-	100/05-07-001-25W1/00	931.5-941.0
Mission Canyon 3b E	03 42E	38	Lsd's 12 & 13-5-1-25 & Lsd's 9-6-1-25 & 4-8-1-25	100/04-08-001-25W1/00	936.0-948.0
Mission Canyon 3b F	03 42F	38	Lsd 11-22-1-26	100/11-22-001-26W1/02	929.5-948.0
Mission Canyon 3b G	03 42G	38	Lsd 11-5-2-26	100/11-05-002-26W1/00	929.0-955.5

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
Mission Canyon 3a A	03 43A	39	-	100/01-25-001-26W1/00	928.0-950.0
Mission Canyon 3a B	03 43B	39	-	100/12-23-001-25W1/00	904.6-912.6
Mission Canyon 3a C	03 43C	39	-	100/12-26-001-26W1/00	924.0-940.0
Mission Canyon 3a D	03 43D	39	Lsd's 10 & 11-30-1-25	100/10-30-001-25W1/00	921.0-931.0
Mission Canyon 3a E	03 43E	39	-	100/02-12-001-26W1/02	930.0-944.0
Mission Canyon 3a F	03 43F	39	Lsd 15-5-1-25	100/15-05-001-25W1/00	931.0-941.0
Mission Canyon 3a G	03 43G	39	-	100/12-31-001-25W1/00	912.5-929.0
Mission Canyon 3a H	03 43H	39	Lsd 6-18-2-25	100/06-18-002-25W1/00	899.0-907.0
Mission Canyon 3a I	03 43I	39	-	100/07-35-001-26W1/00	917.0-935.0
Mission Canyon 3a K	03 43K	39	Lsd's 6, 11 & 14-19-1-25	100/06-19-001-25W1/00	924.0-934.0
Mission Canyon 3a L	03 43L	39	Lsd's 8 & 9-32-1-25	100/08-32-001-25W1/00	909.5-917.0
Mission Canyon 3a M	03 43M	39	Lsd 10-10-1-25	100/10-10-001-25W1/00	915.0-925.0
Mission Canyon 3a N	03 43N	39	Lsd 02-20-1-25	100/02-20-001-25W1/00	919.5-930.0
Mission Canyon 1 A	03 44A	40	Lsd's 8, 9 & 16-19-1-25 & Lsd's 1 & 8-30-1-25	100/01-30-001-25W1/00	917.4-947.9
Mission Canyon 1 B	03 44B	40	-	100/09-13-001-26W1/00	920.5-967.4
Mission Canyon 1 C	03 44C	40	Lsd's 2,3,6 & 7-22-1-25	100/02-22-001-25W1/00	908.3-943.0
Mission Canyon 1 D	03 44D	40	-	100/04-09-002-25W1/00	986.0-912.0
Mission Canyon 1 E	03 44E	40	-	100/06-33-001-25W1/00	905.5-942.0
Mission Canyon 1 F	03 44F	40	Lsd 2-27-1-25	100/02-27-001-25W1/00	902.5-930.0
Mission Canyon 1 G	03 44G	40	Lsd's 3, 4, 5 & 6-5-1-24	100/04-05-001-24W1/00	910.0-937.0
Mission Canyon 1 H	03 44H	40	Lsd 3-24-1-25	100/03-24-001-25W1/00	898.0-910.0
Mission Canyon 1 I	03 44I	40	Lsd's 2, 3, 4 & 5-14-2-25	100/02-14-002-25W1/00	882.0-915.0
Mission Canyon 1 I	03 44J	40	Lsd 4-24-2-26	100/04-24-002-26W1/00	898.0-900.0
Mission Canyon 1 K	03 44K	40	Lsd's 1, 2, 7 & 8-33-1-24	100/02-33-001-24W1/00	871.7-900.0
Mission Canyon 1 L	03 44L	40	Lsd 4-12-1-24	100/04-12-001-24W1/00	941.5-946.0
Mission Canyon 1 M	03 44M	40	Lsd's 9, 10, 15 & 16-25-1-24	100/09-25-001-24W1/00	939.5-941.5

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
Mission Canyon 1 N	03 44N	40	Lds 6-7-1-24	100/06-07-001-24W1/00	897.5-898.5
Mission Canyon 1 O	03 44O	40	Lsd's 1,2,7,8,9,10,11,12 & 13- 9-2-24	100/13-09-002-24W1/00	865.0-873.0
Mission Canyon 1 P	03 44P	40	Lsd 15-10-2-24	100/15-10-002-24W1/00	888.8-893.8
Mission Canyon 1Q	03 44Q	40	Lsd 07-06-02-24	100/07-06-002-24W1/00	876.5-878.5
<b>LULU LAKE FIELD</b>					
Lodgepole WL A	04 52A	41	-	100/08-23-001-21W1/00	1008.5-1027.0
Lodgepole WL B	04 52B	41	-	100/15-27-001-21W1/00	1005.5-1024.0
<b>VIRDEN FIELD</b>					
Lodgepole A	05 59A	42	-	102/06-27-011-26W1/00	563.9-667.0
Lodgepole B	05 59B	42	-	100/06-28-010-26W1/00	623.0-726.0
Lodgepole C	05 59C	42	-	100/10-21-009-25W1/00	595.0-648.0
Lodgepole D	05 59D	42	-	100/07-11-009-25W1/00	598.9-655.3
Lodgepole E	05 59E	42	-	100/07-26-009-26W1/00	634.0-732.1
Lodgepole G	05 59G	42	Lsd 10-1-11-27	100/10-01-011-27W1/00	647.0-710.0
<b>WHITEWATER FIELD</b>					
Lower Amaranth A	06 29A	43	-	100/04-21-003-21W1/02	745.0-757.7
Lodgepole WL A	06 52A	44	-	100/16-17-003-21W1/00	759.6-786.1
Lodgepole WL B	06 52B	44	-	100/16-02-003-21W1/00	790.5-812.5
Lodgepole WL C	06 52C	44	-	100/05-04-003-21W1/00	923.0-1856.0 md
Lodgepole Virden A	06 53A	45	-	100/05-12-003-21W1/00	787.0-804.5



POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
<b>PIERSON FIELD</b>					
Lower Amaranth A	07 29A	46	Lsd 4-26-3-28	100/04-26-003-28W1/00	915.7-949.5
Lower Amaranth B	07 29B	46	-	100/12-30-002-28W1/02	955.0-992.0
Lower Amaranth E	07 29E	46	Lsd 2, 3, 4, 7, 10-1-2-29	100/04-01-002-29W1/00	1016.0-1025.0
Lower Amaranth J	07 29J	46	-	100/13-26-001-28W1/00	956.5-993.0
Lower Amaranth L	07 29L	46	Lsd's 1, 2, 7 & 8-26-1-29	100/02-26-001-29W1/00	1000.0-1038.0
Lower Amaranth – Mission Canyon 3b A	07 35A	47	-	100/14-17-002-29W1/02	997.0-1044.0
Lower Amaranth – Mission Canyon 3b B	07 35B	47	-	100/01-35-002-28W1/00	959.0-963.0
Lower Amaranth – Mission Canyon 3b C	07 35C	47	Lsd's 3, 4, 5, 6, 11 & 12-34-2-28	100/04-34-002-28W1/00	975.4-976.0
Lower Amaranth – Mission Canyon 3b D	07 35D	47	Lsd 15-20-2-28	100/15-20-002-28W1/02	975.0-979.0
Mission Canyon 3 B	07 41B	48	Lsd 14-05-2-28	100/14-05-002-28W1/02	1007.5-1030.0
Mission Canyon 3 C	07 41C	48		100/12-06-003-29W1/00	1165.0-1605.0 md
Mission Canyon 3b B	07 42B	49	-	100/08-07-003-28W1/00	981.5-990.6
Mission Canyon 3b C	07 42C	49	Lsd's 6 & 11-17-3-29	100/06-17-003-29W1/00	1002.0-1016.0
Mission Canyon 3b D	07 42D	49	-	100/13-32-002-29W1/00	1021.1-1033.3
Mission Canyon 3b E	07 42E	49	-	100/11-30-002-28W1/00	990.0-1002.0
Mission Canyon 3b F	07 42F	49	Lsd's 14 & 15-20-2-28	100/14-20-002-28W1/02	987.5-1003.4
Mission Canyon 3b J	07 42J	49	-	100/13-33-001-28W1/00	1002.0-1026.0
Mission Canyon 3b K	07 42K	49	Lsd 5-30-1-28	100/05-30-001-28W1/00	1025.0-1043.5
Mission Canyon 3b L	07 42L	49	Lsd 3,4,5,6-23-02-29	100/06-23-002-29W1/00	1012-1020

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
Mission Canyon 3a A	07 43A	50	-	100/08-16-003-29W1/00	999.7-1018.0
Mission Canyon 3a B	07 43B	50	-	100/09-18-003-28W1/00	976.9-990.6
Mission Canyon 3a C	07 43C	50	-	100/04-12-003-29W1/00	995.0-1015.0
Mission Canyon 3a E	07 43E	50	Lsd 6-10-3-28	100/06-10-003-28W1/00	970.3-985.0
Mission Canyon 3a F	07 43F	50	Lsd 14-5-3-29	100/14-05-003-29W1/03	1085.0-1385.0 md
Mission Canyon 1 A	07 44A	51	Lsd 4-25-3-28	100/04-25-003-28W1/00	948.0-980.0
<b>KIRKELLA FIELD</b>					
Lodgepole Dolomite A	09 51A	52	-	100/14-08-012-29W1/00	725.0-742.0
Lodgepole Dolomite B	09 51B	52	Lsd 13-18-12-29 & Lsd's 4, 5 & 12-19-12-29	100/04-19-012-29W1/00	729.0-744.0
Lodgepole Daly A	09 54A	53	-	100/14-10-012-29W1/00	722.4-734.3
Lodgepole Daly B	09 54B	53	-	100/05-17-012-29W1/00	746.0-755.0
Lodgepole Daly C	09 54C	53	-	100/04-18-012-29W1/00	745.5-757.0
Lodgepole Daly D	09 54D	53	-	100/14-01-012-29W1/00	714.0-740.0
Lodgepole Daly E	09 54E	53	Lsd 16-6-12-29	100/16-06-012-29W1/00	746.0-758.0
Lodgepole Crinoidal A	09 55A	54	Lsd 10-3-12-29	100/10-03-012-29W1/00	758.0-761.5
Lodgepole Crinoidal B	09 55B	54	Lsd 6 & 11-15-12-29	100/11-15-012-29W1/00	716.0-720.0 md
Lodgepole Crinoidal C	09 55C	54	Lsd 7, 10 & 15-10-12-29	100/15-10-012-29W1/00	715.0-729.0
Lodgepole A	09 59A	55	Lsd 16-16-12-29	100/16-16-12-29W1/03	741.5-742.5; 752.5-753.5
Bakken-Three Forks A	09 62A	56	-	100/12-15-012-29W1/02	786.5-791.5

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
Bakken-Three Forks B	09 62B	56	16-3-12-29	100/16-03-012-29W1/02	809.0-811.0
<b>SOURIS HARTNEY FIELD</b>					
Lodgepole Virden A	10 53A	57	-	100/04-16-006-22W1/00	653.2-671.8
<b>COULTER FIELD</b>					
Lower Amaranth A	11 29A	58	-	100/11-21-001-27W1/00	933.0-969.0
Mission Canyon 3 A	11 41A	59	Lsd's 1, 2, 7 & 8-21-1-27	100/07-21-001-27W1/00	968.6-977.8
Mission Canyon 3b A	11 42A	60	Lsd's 8 & 9-6-2-27	100/08-06-002-27W1/00	966.0-975.0
<b>REGENT FIELD</b>					
Lodgepole WL A	13 52A	61	-	100/16-02004-22W1/00	761.5-780.0
Lodgepole WL B	13 52B	61	Lsd 15-21-4-22	100/15-21-004-22W1/00	758.6-777.8
Lodgepole Virden A	13 53A	62	-	100/06-07-004-21W1/00	766.9-781.8
Lodgepole Virden B	13 53B	62	Lsd 14 -13-4-22	100/14-13-004-22W1/00	759.0-780.0
Lodgepole Virden D	13 53D	62	12-31-04-21	100/12-31-004-21W1/00	733.0-738.4
Lodgepole Virden E	13 53E	62	2-7-5-21	100/02-07-005-21W1/00	713.5-715
<b>MOUNTAINSIDE FIELD</b>					
Lodgepole WL A	14 52A	63	-	103/11-16-002-21W1/00	1078.0-1451.4

POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)

### BIRDTAIL FIELD

Bakken A	15 60A	64	-	100/05-04-016-27W1/00	518.5-524.5
Bakken B	15 60B	64	Lsd 9-9-16-27	100/09-09-016-27W1/00	518.5-527.5
Bakken C	15 60C	64	-	100/01-19-016-27W1/00	519.5-524.8
Bakken D	15 60D	64	Lsd 4-3-16-27	100/04-03-016-27W1/00	525.5-530.5
Bakken E	15 60E	64	Lsd B09-8-16-27	103/09-08-016-27W1/00	520.0-525.0

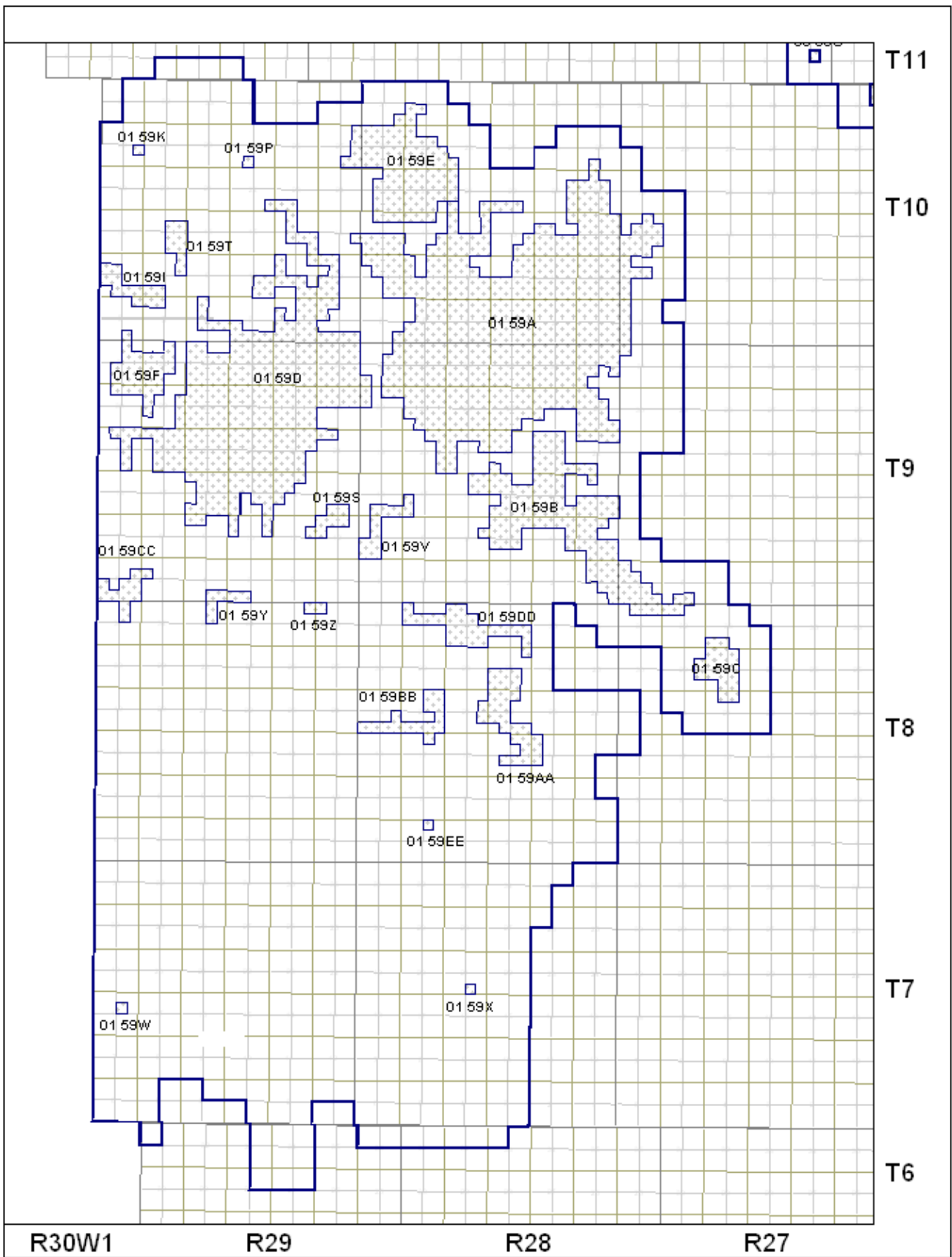
### OTHER AREAS

Melita A	99 19A	65	Lsd's 13 & 14-15-16-29 & Lsd's 3 & 4-22-16-29	100/14-15-016-29W1/00	432.3-446.0
Melita B	99 19B	65	Lsd 6-17-16-29	100/06-17-016-29W1/00	438-441
Lower Amaranth H	99 29H	66	Lsd 3-24-1-28	100/03-24-001-28W1/00	953.0-990.0
Lower Amaranth-Lodgepole	99 40A	67	Lsd's 3 & 4-33-8-24	100/03-33-008-24W1/00	570.0-584.0
Mission Canyon 1 A	99 44A	68	-	100/08-31-002-23W1/00	812.0-843.0
Mission Canyon 1 D	99 44D	69	Lsd 16-2-3-26	100/16-02-003-26W1/00	879.0-922.0
Mission Canyon 1 E	99 44E	70	-	100/16-06-006-28W1/00	905.0-908.0
Mission Canyon 1 G	99 44G	70	-	100/02-16-006-26W1/00	855.0-1229.0 md
Mission Canyon 1 H	99 44H	70	-	100/03-13-006-27W1/00	786.5-790.0
Mission Canyon 1 J	99 44J	70	Lsd 11-36-5-29	100/11-36-005-29W1/00	923.0-927.5
Mission Canyon 1 K	99 44K	70	Lsd's 1, 2, 7, 8, 9 & 10-2-7-27	100/09-02-007-27W1/00	777.0-779.5
Mission Canyon 1 J	99 44L	70	Lsd 6-3-7-27	100/06-03-007-27W1/00	789.7-794.0
Mission Canyon 1 M	99 44M	68	-	100/05-35-002-24W1/00	842.0-845.0
Mission Canyon 1 O	99 44O	68	Lsd 14-36-1-23	100/14-36-1-23W1/00	944-948

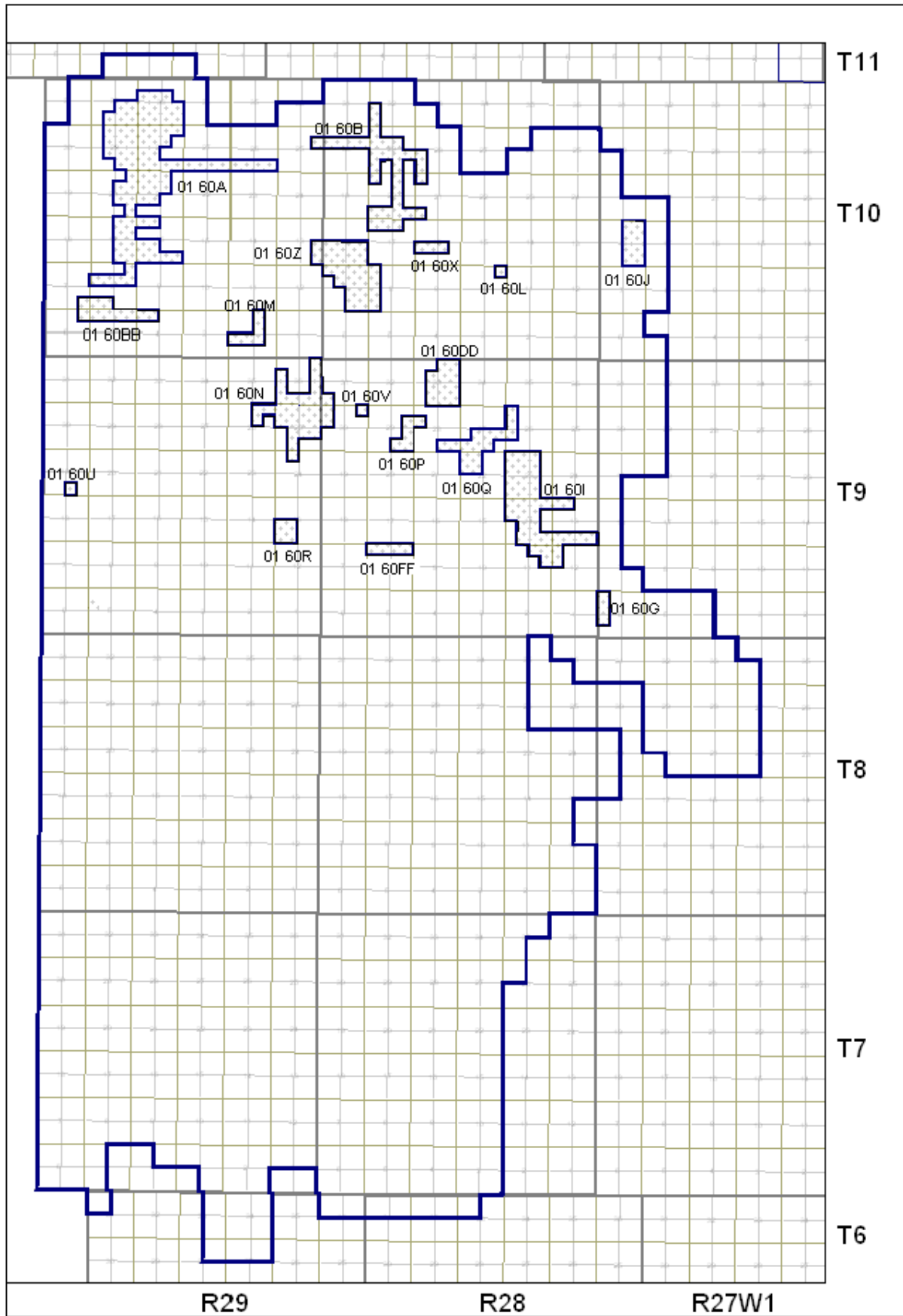
POOL	CODE	AREA OF COVERAGE		REFERENCE WELL	
		Plat (page #)	Legal Description (Lsd-Sec-Twp-Rge)	UWI	Interval (m KB)
Lodgepole WL C	99 52C	71	-	100/13-19-004-22W1/00	762.0-775.7
Lodgepole Virden C	99 53C	72	Lsd 5-32-2-23	100/05-32-002-23W1/00	827.0-828.5
Lodgepole A	99 59A	73	Lsd 15-16-11-27	100/15-16-011-27W1/00	646.2-734.0
Lodgepole B	99 59B	73	Lsd's 6 & 7-16-11-29	100/06-16-011-29W1/00	740.7-783.6
Lodgepole I	99 59I	74	Lsd's 1 & 8-33-2-24 & Lsd's 4, 5, 6, 11 & 12-34-2-24	100/11-35-002-24W1/00	960.0-1955 md, 1063-1308 md
Lodgepole J	99 59J	74	Lsd 10-18-5-22	100/10-18-005-22W1/00	757.0-759; 764.0-765.5
Lodgepole K	99 59K	73	Lsd 5-10-11-29	100.05-10-011-29W1.00	826.6-827.7
Bakken-Three Forks L	99 62L	75	Lsd 5-8-4-29	100/05-08-004-29W1/00	1209.5-1214.5
Bakken-Three Forks M	99 62M	75	Lsd 10-8-6-28	100/10-08-006-28w1/00	1064.0-1066.0
Bakken-Three Forks N	99 62N	76	Lsd's 4,5,6,7-16-11-29 & Lsd's 12, 13-9-11-29	100/07-16-011-29W1/00	842-846
Bakken-Three Forks O	99 62O	76	Lsd 5-10-11-29	100/05-10-011-29W1/02	838-840.5
Bakken-Three Forks Q	99 62Q	77	Lsd 2-1-17-28	100/02-01-017-28W1/00	531-539

**Appendix B** Manitoba Pool Codes p. 80.

**MANITOBA'S DESIGNATED POOLS  
(POOL PLATS)**

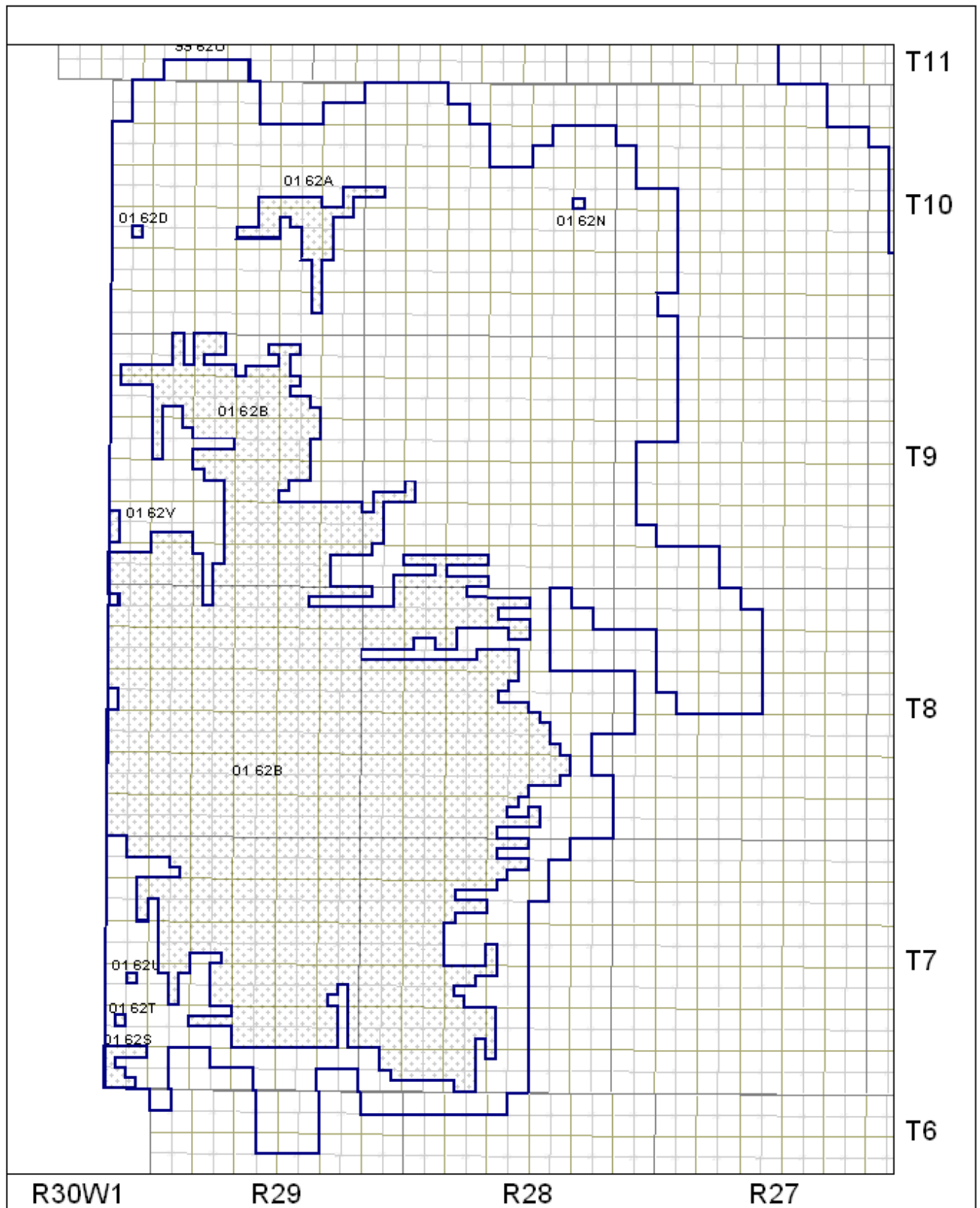


**DALBY SINCLAIR LODGEPOLE POOLS  
(01 59A - 01 59FF)**

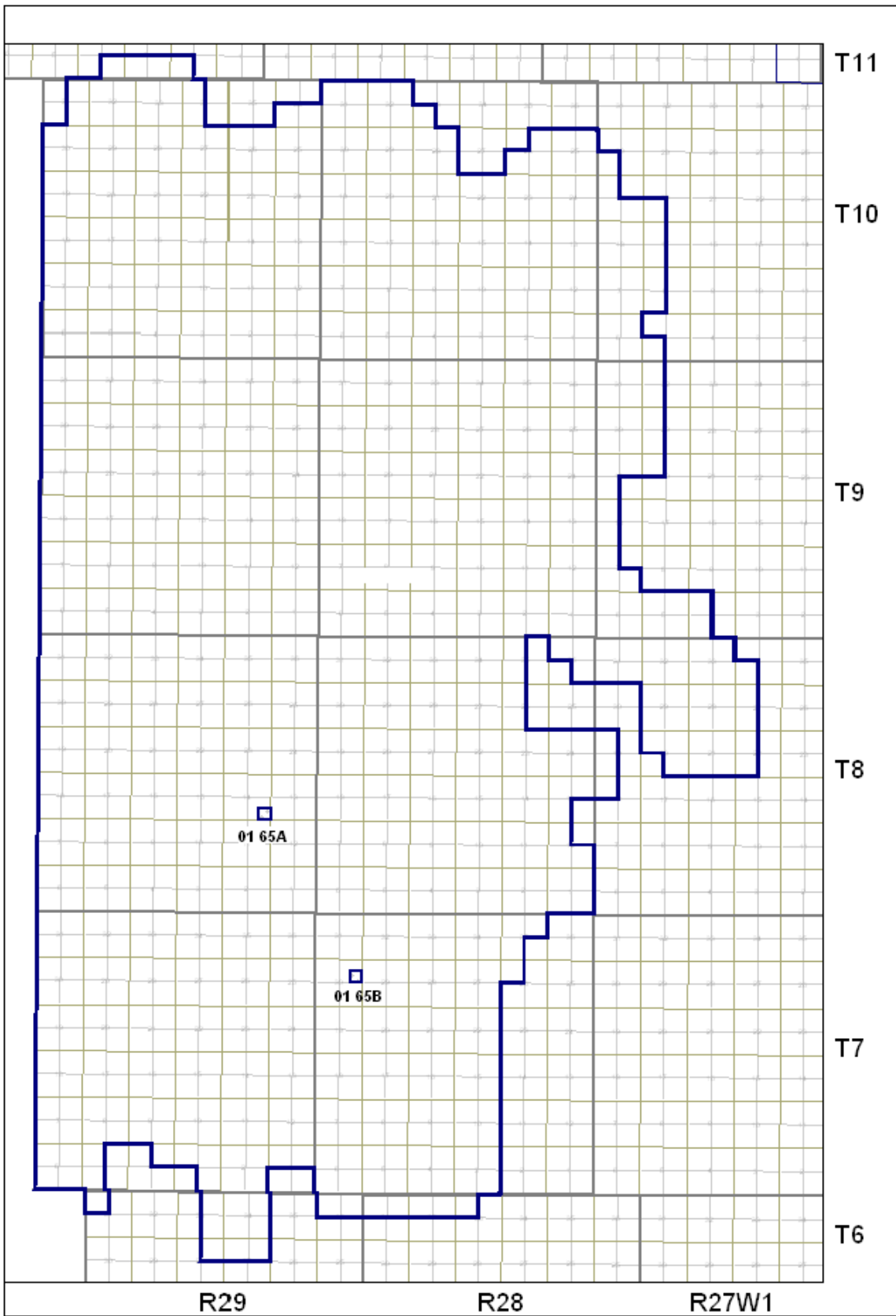


**DALY SINCLAIR BAKKEN POOLS (01 60A - 01 60FF)**

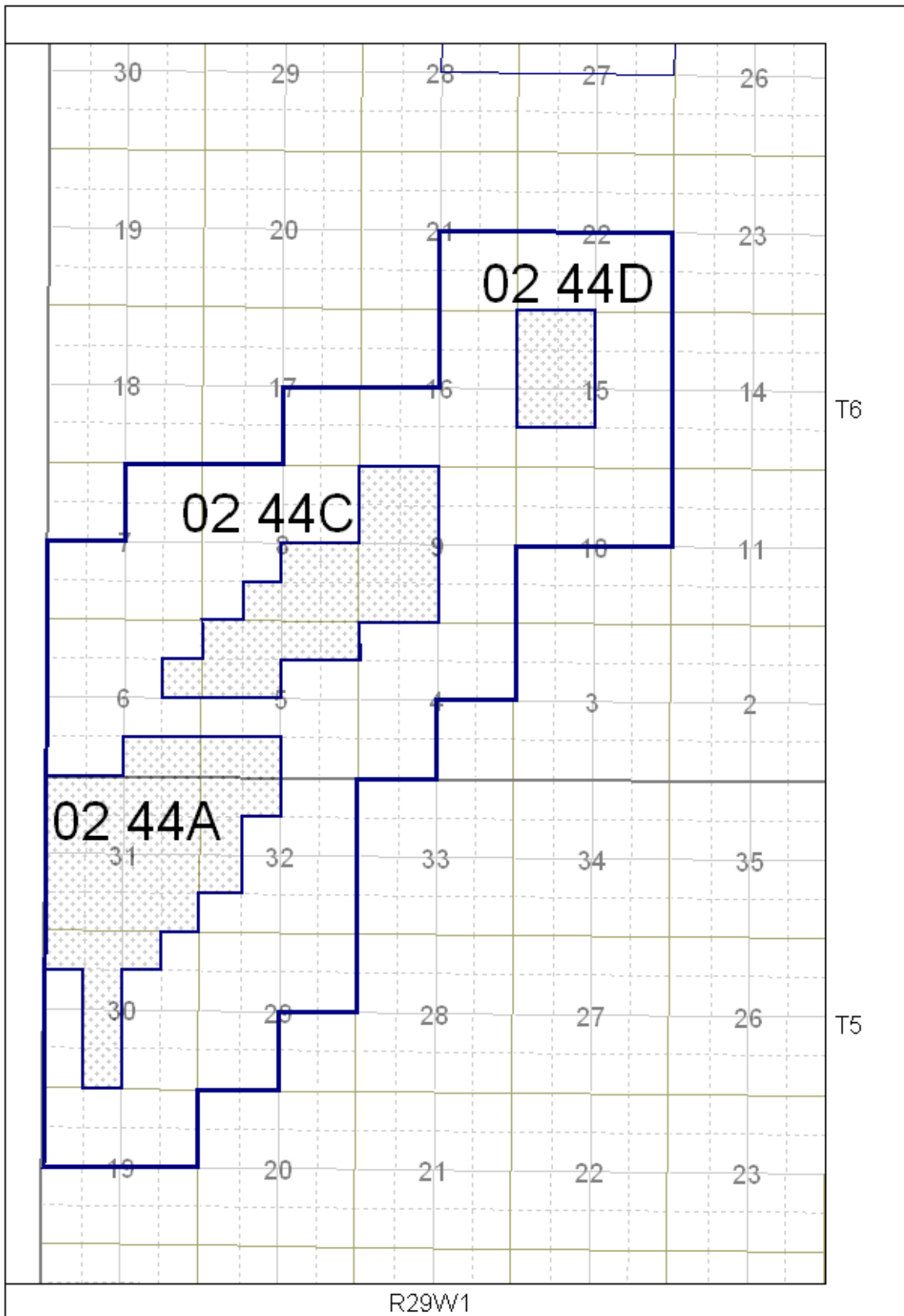




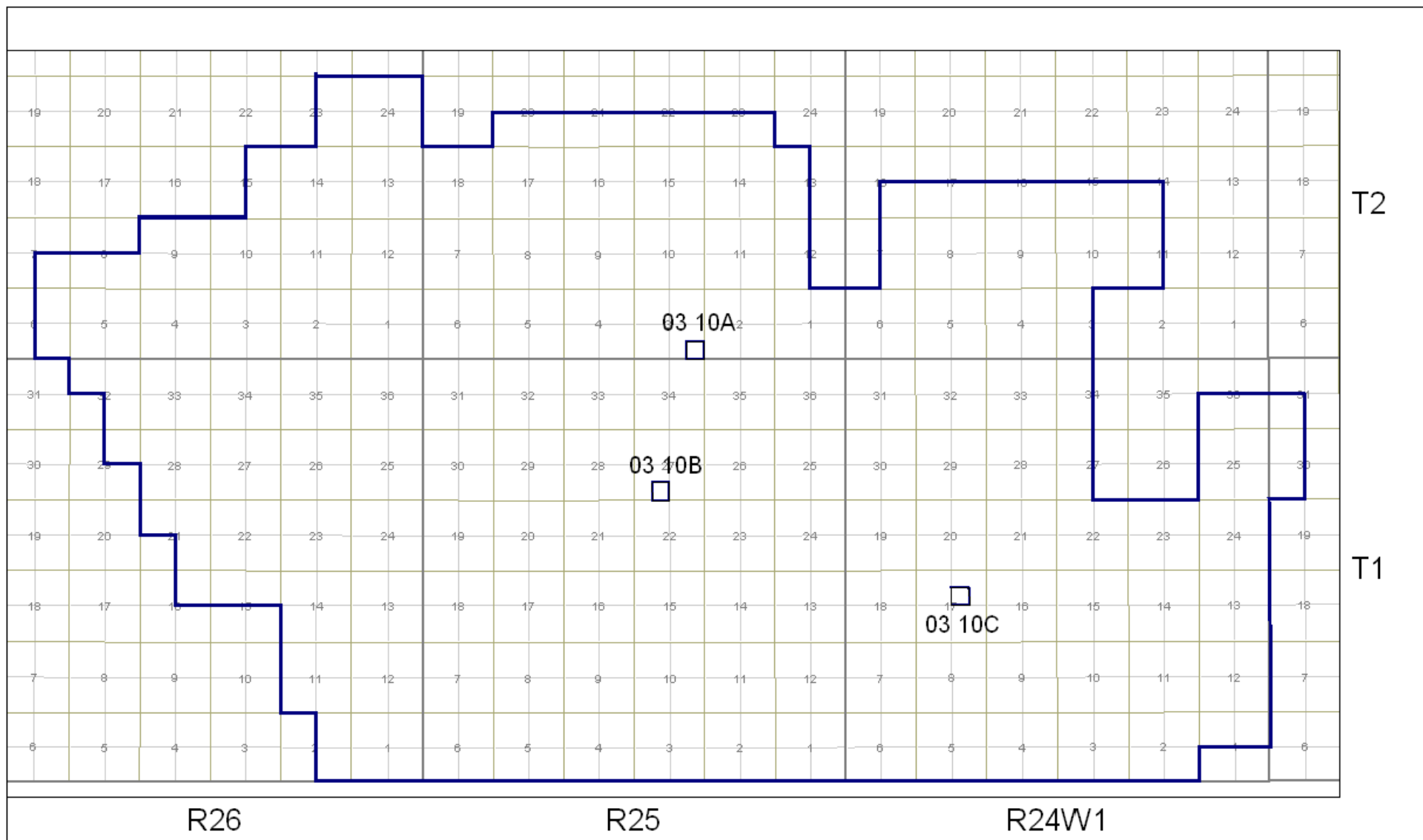
**DALY SINCLAIR BAKKEN-THREE FORKS POOLS  
(01 62A - 01 62V)**



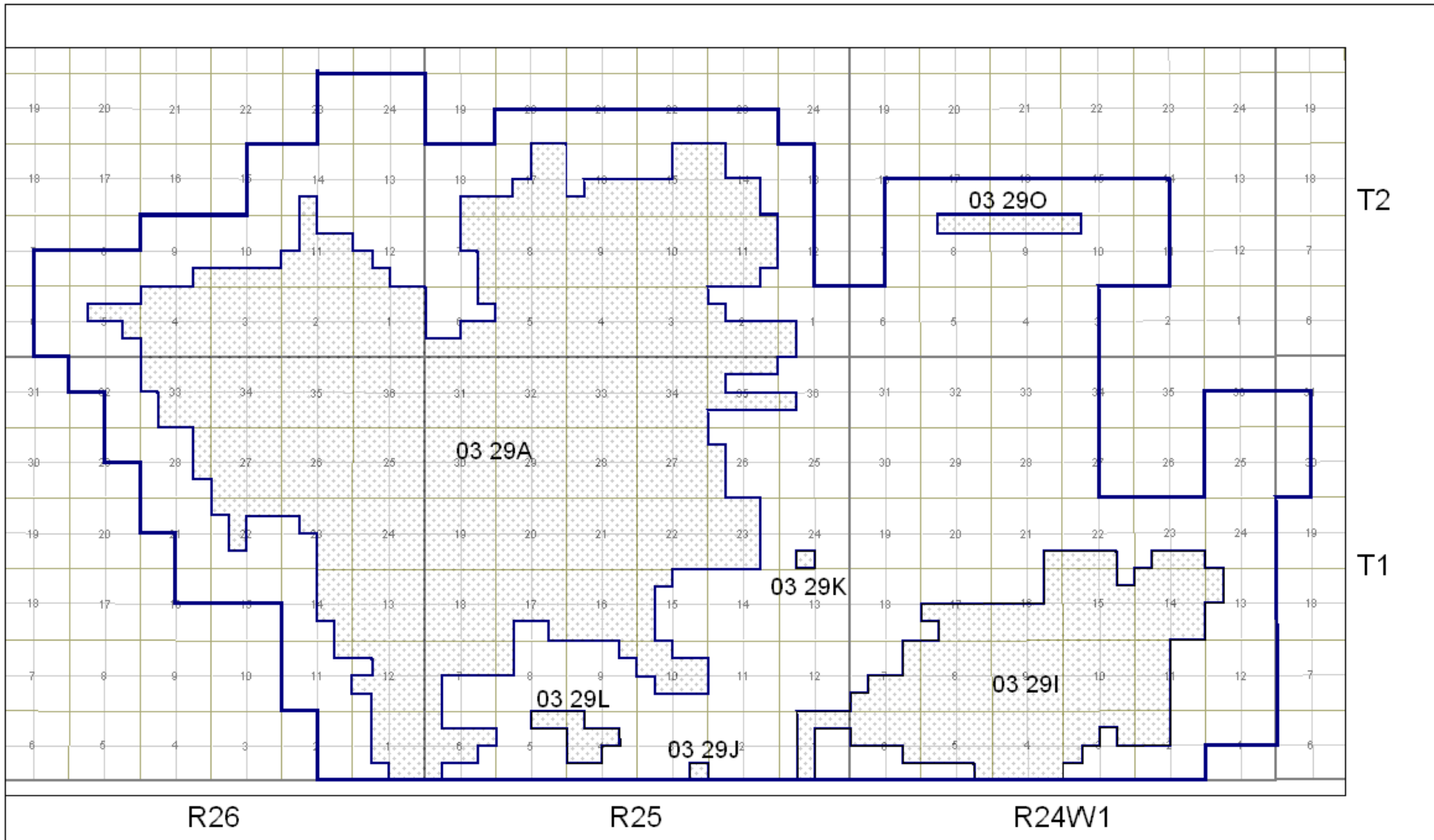
**DALY SINCLAIR THREE FORKS POOLS  
(01 65A & 01 65B)**



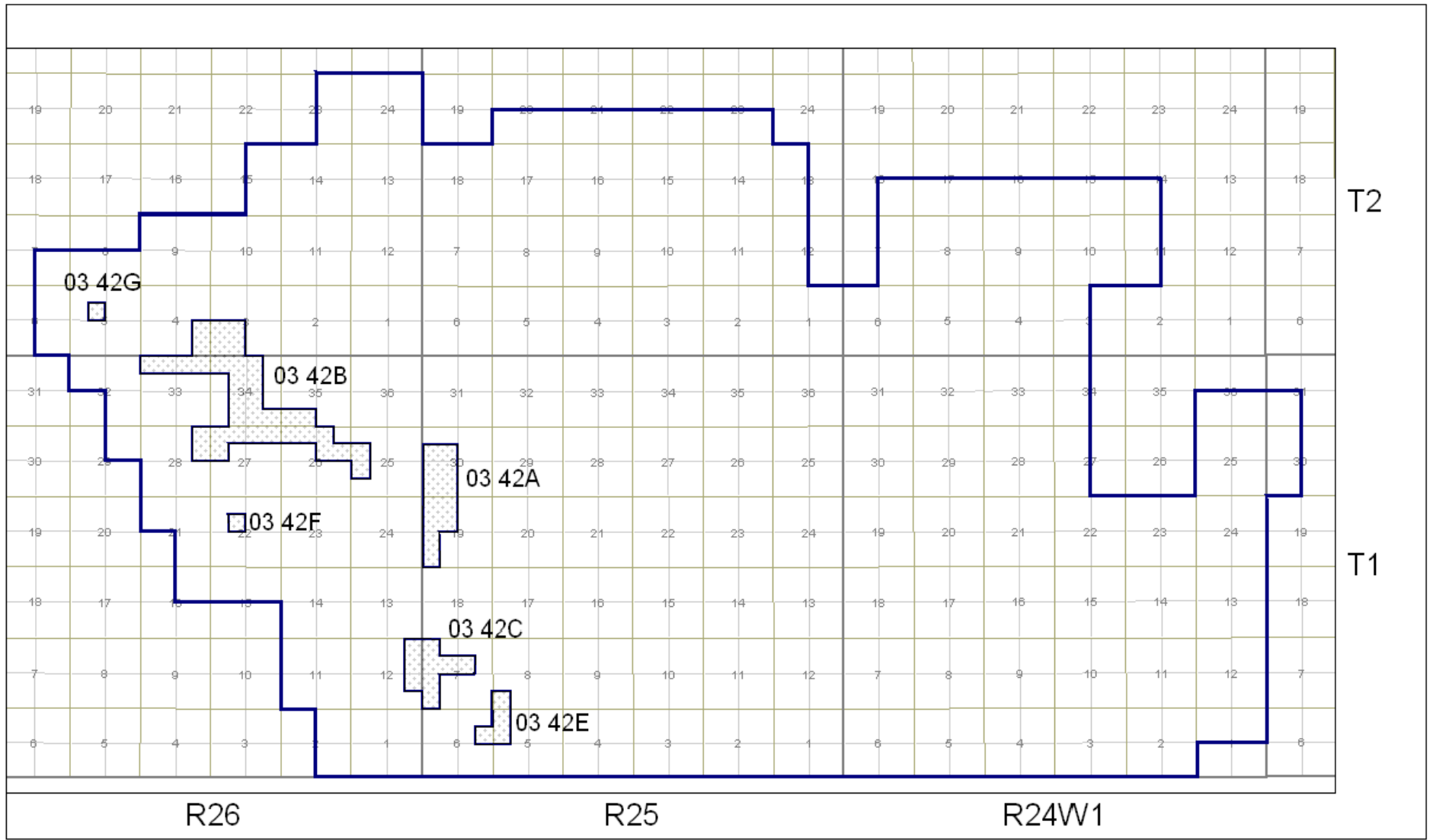
**TILSTON MISSION CANYON 1 POOLS  
(02 44A - 02 44D)**



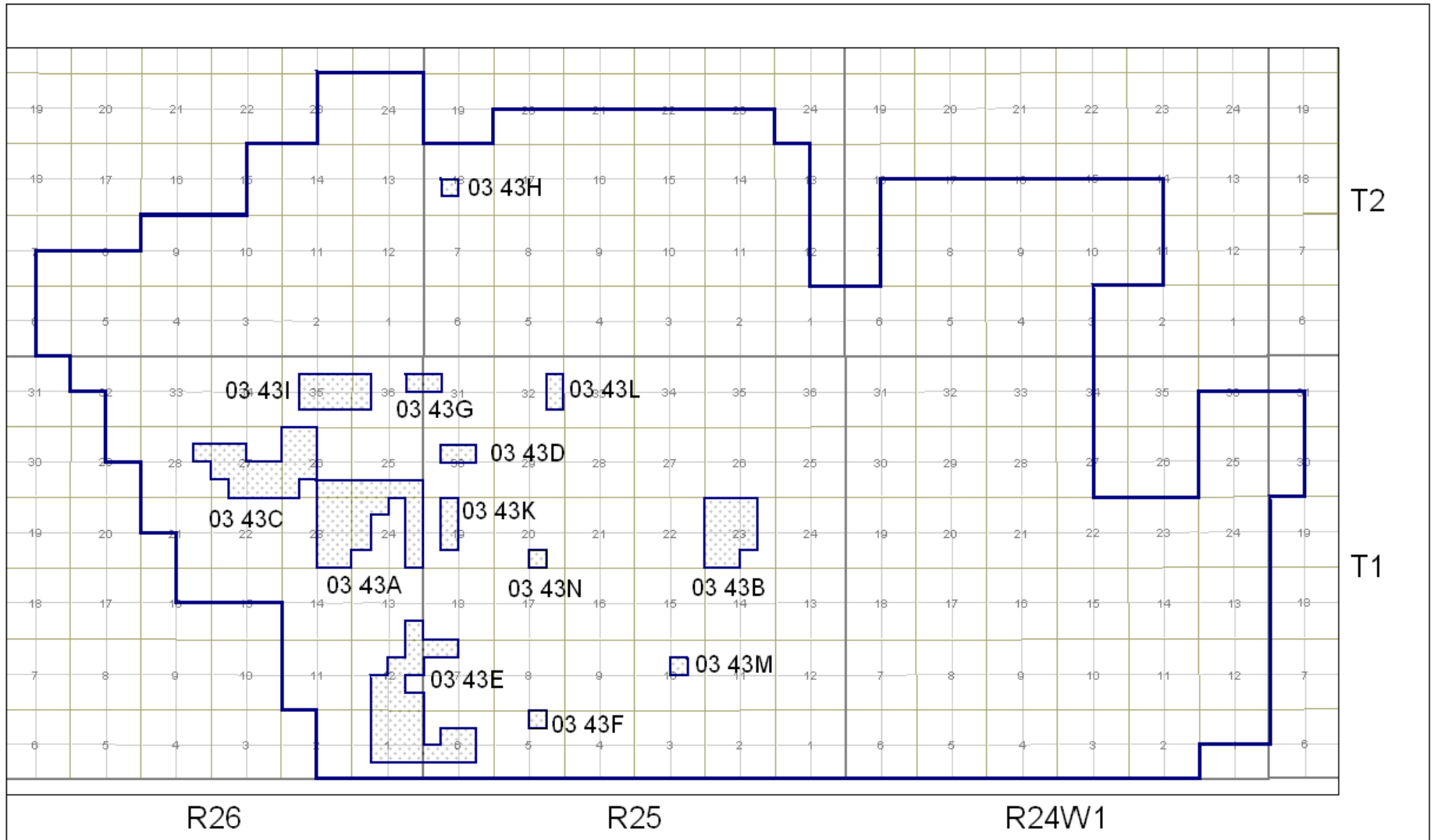
**WASKADA FAVEL POOLS  
(03 10A – 03 10C)**



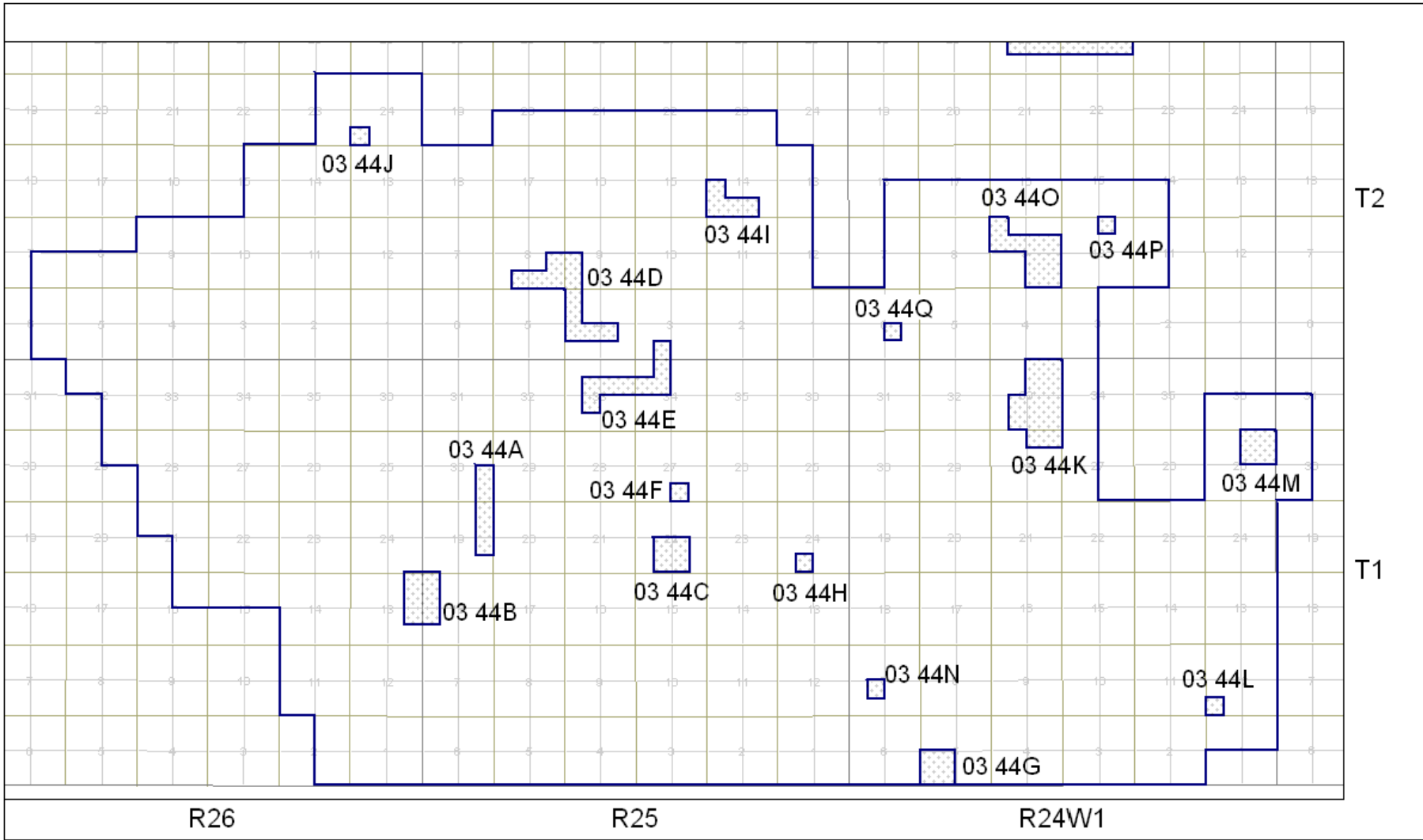
**WASKADA LOWER AMARANTH POOLS (03 29A - 03 29O)**



**WASKADA MISSION CANYON 3B POOLS  
(03 42A - 03 42G)**

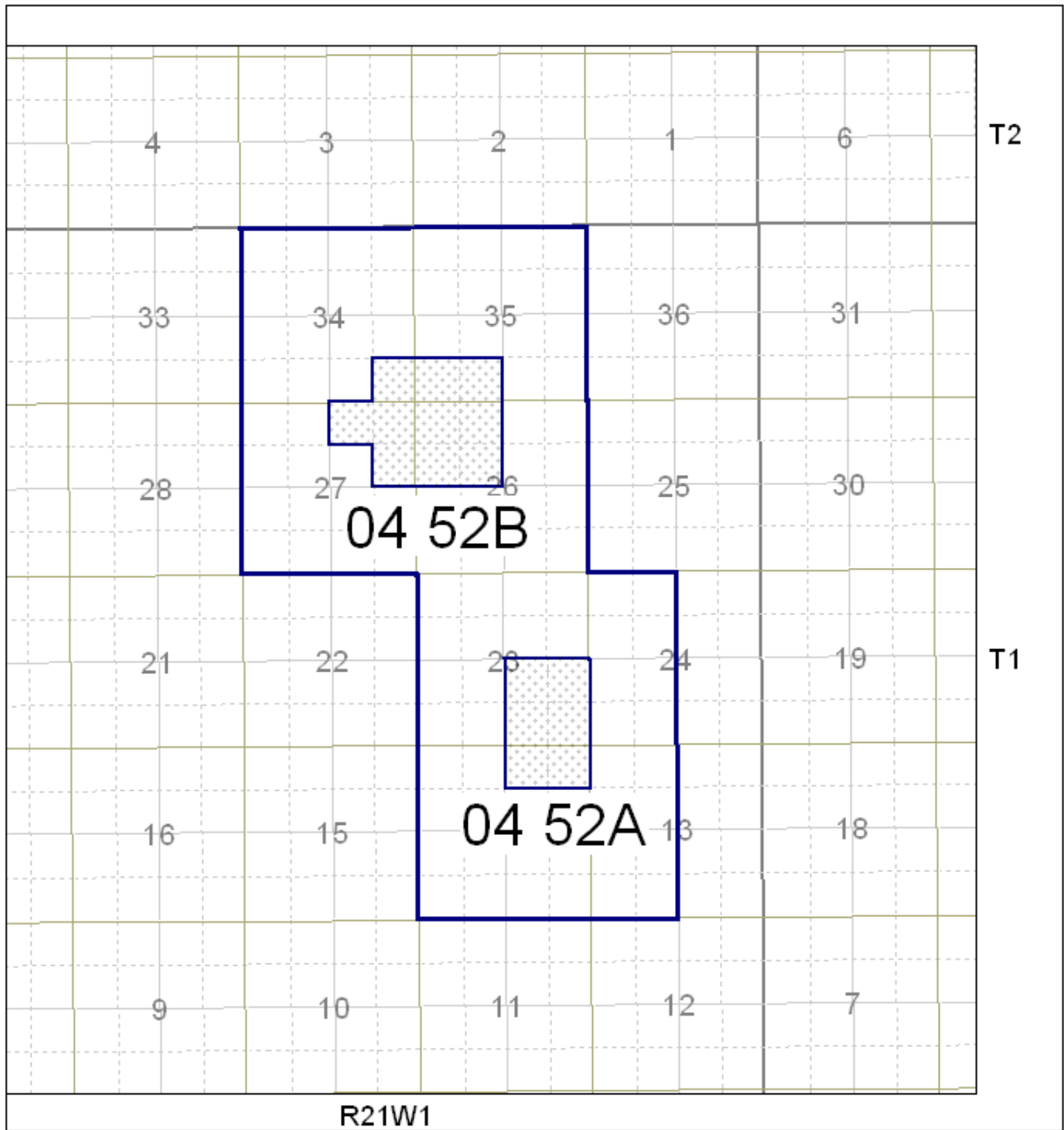


**WASKADA MISSION CANYON 3A POOLS  
(03 43A - 03 43M)**

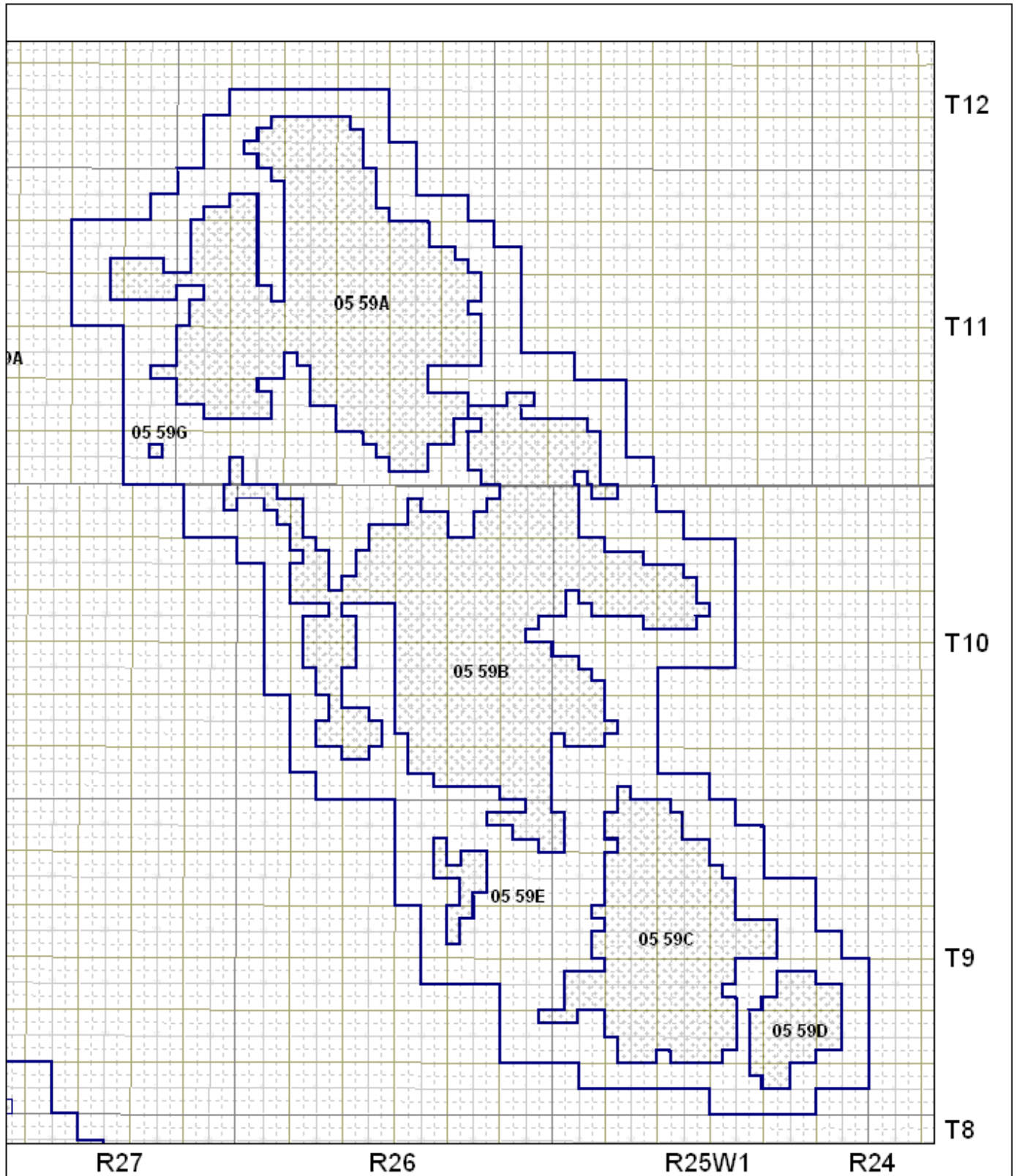


**WASKADA MISSION CANYON 1 POOLS  
(03 44A – 03 44Q)**

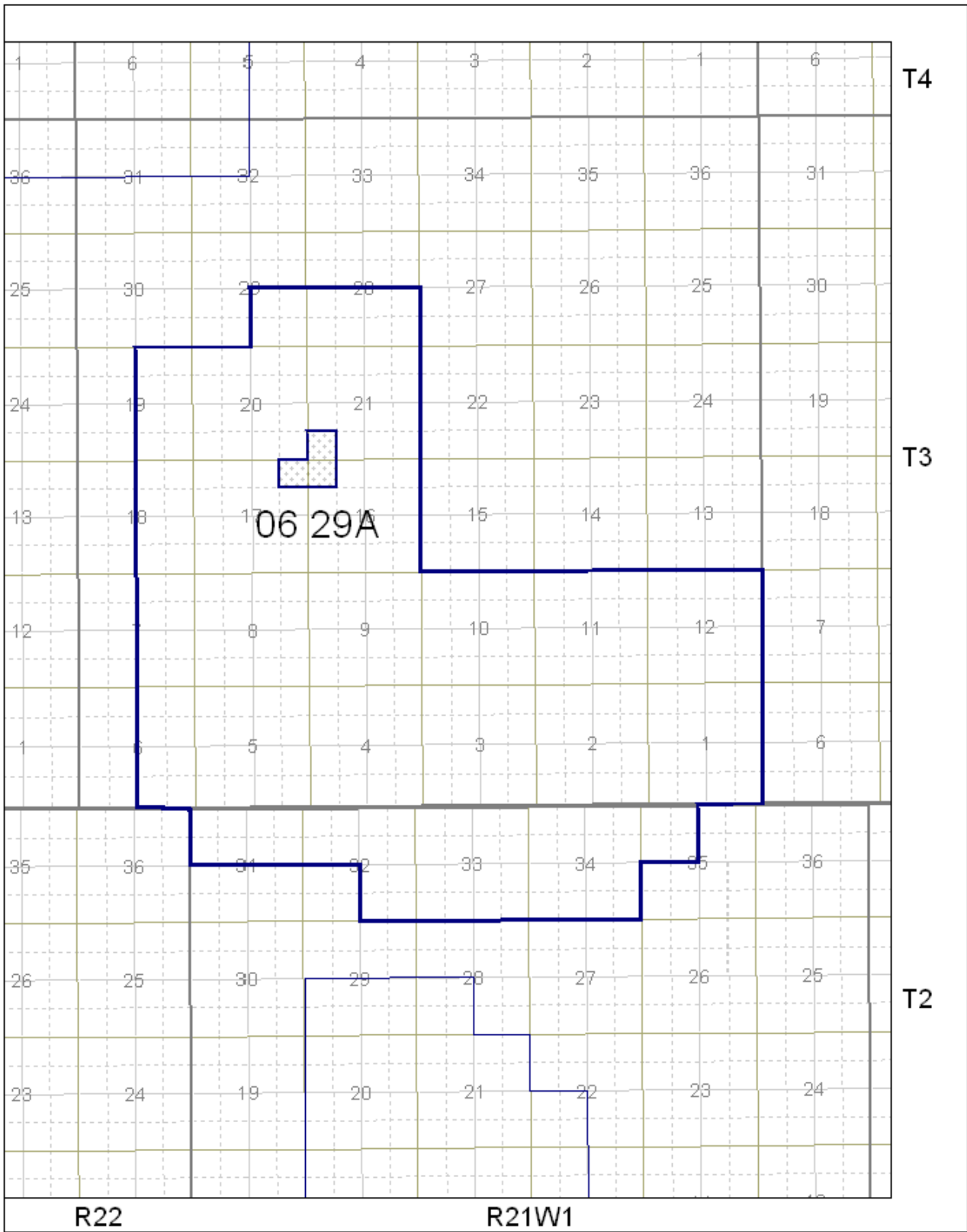




**LULU LAKE LODGEPOLE WHITEWATER LAKE POOLS  
(04 52A – 04 52B)**

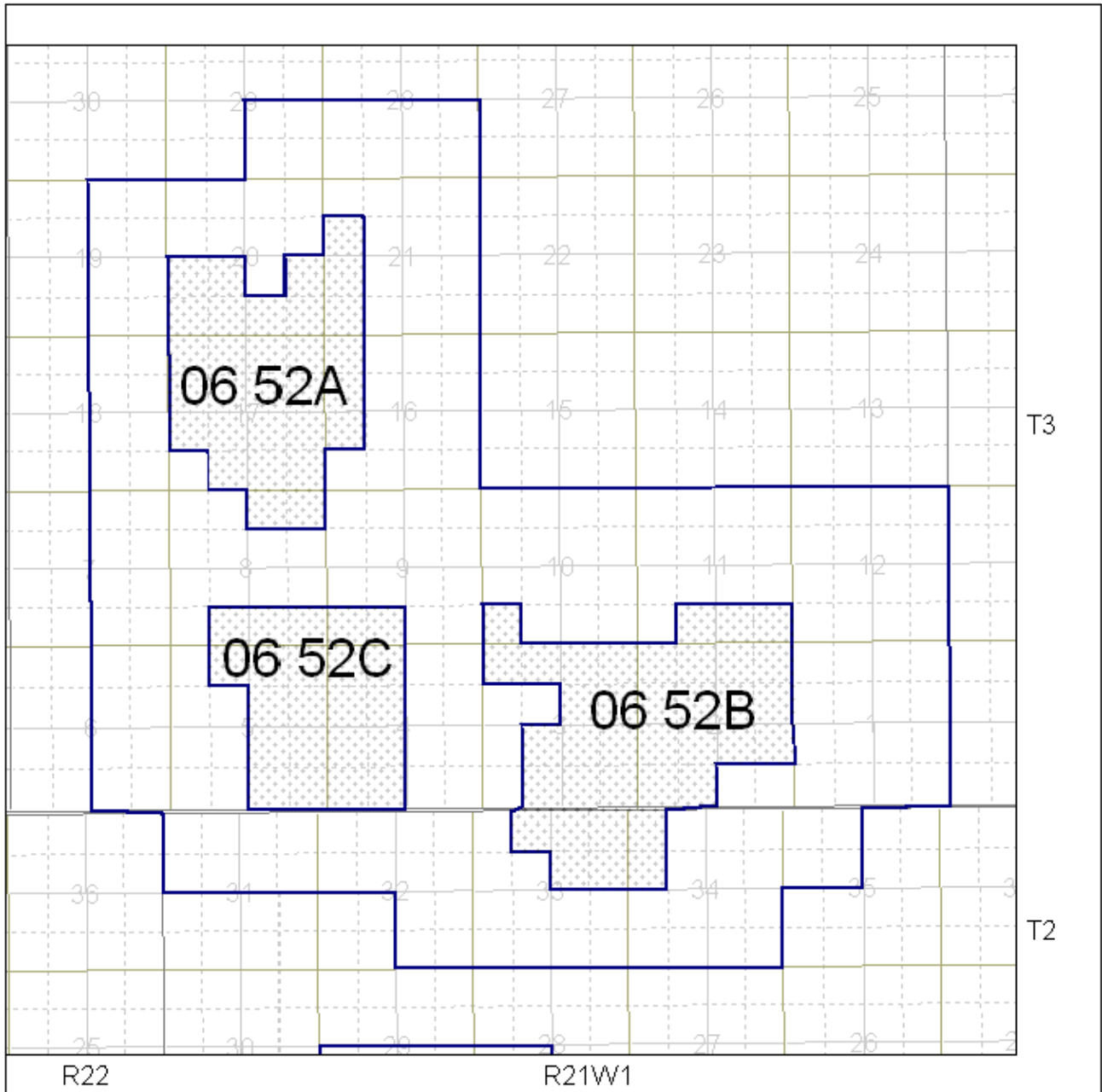


**VIRDEN LODGEPOLE POOLS  
(05 59A – 05 59G)**

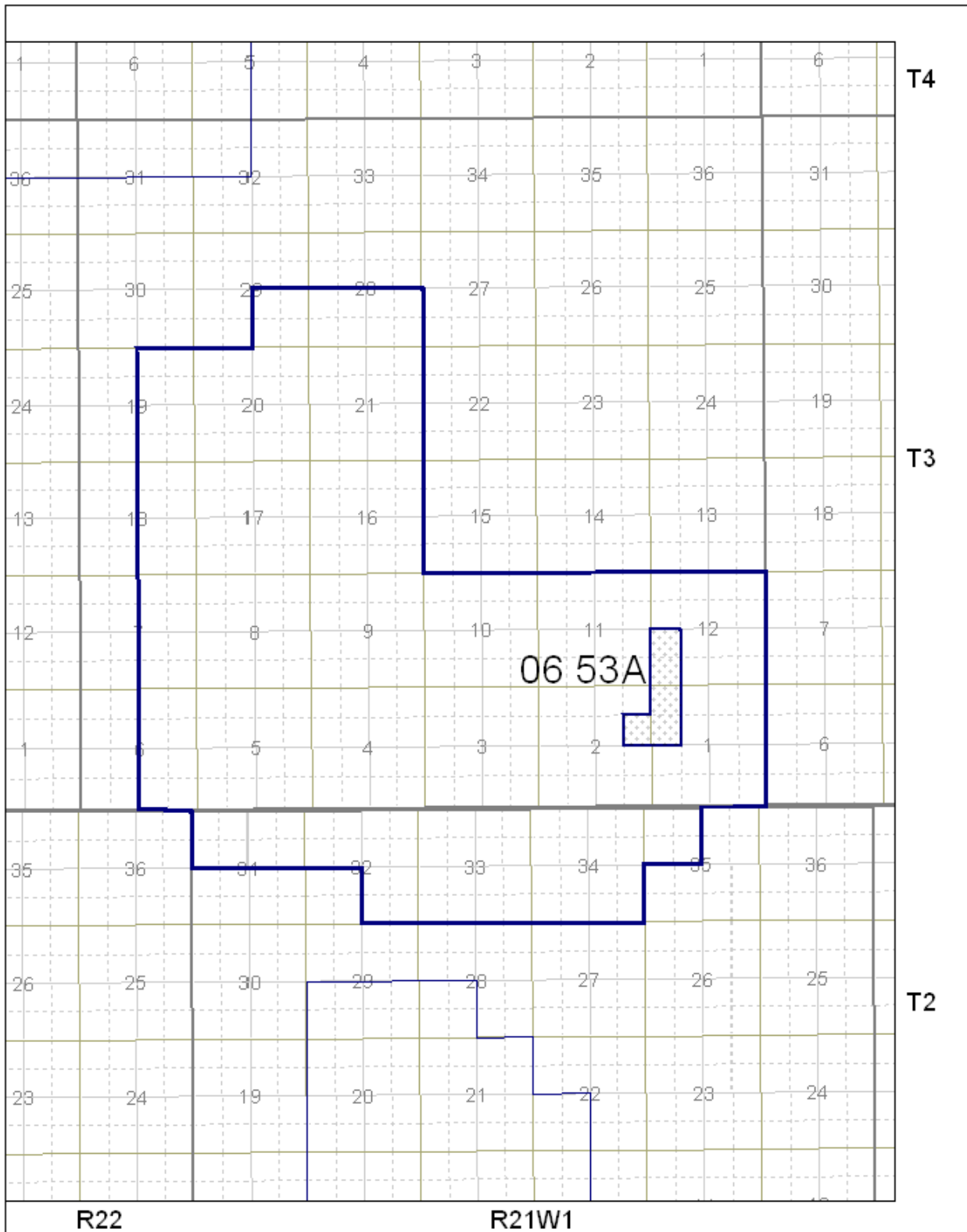


**WHITEWATER LAKE LOWER AMARANTH A POOL  
(06 29A)**

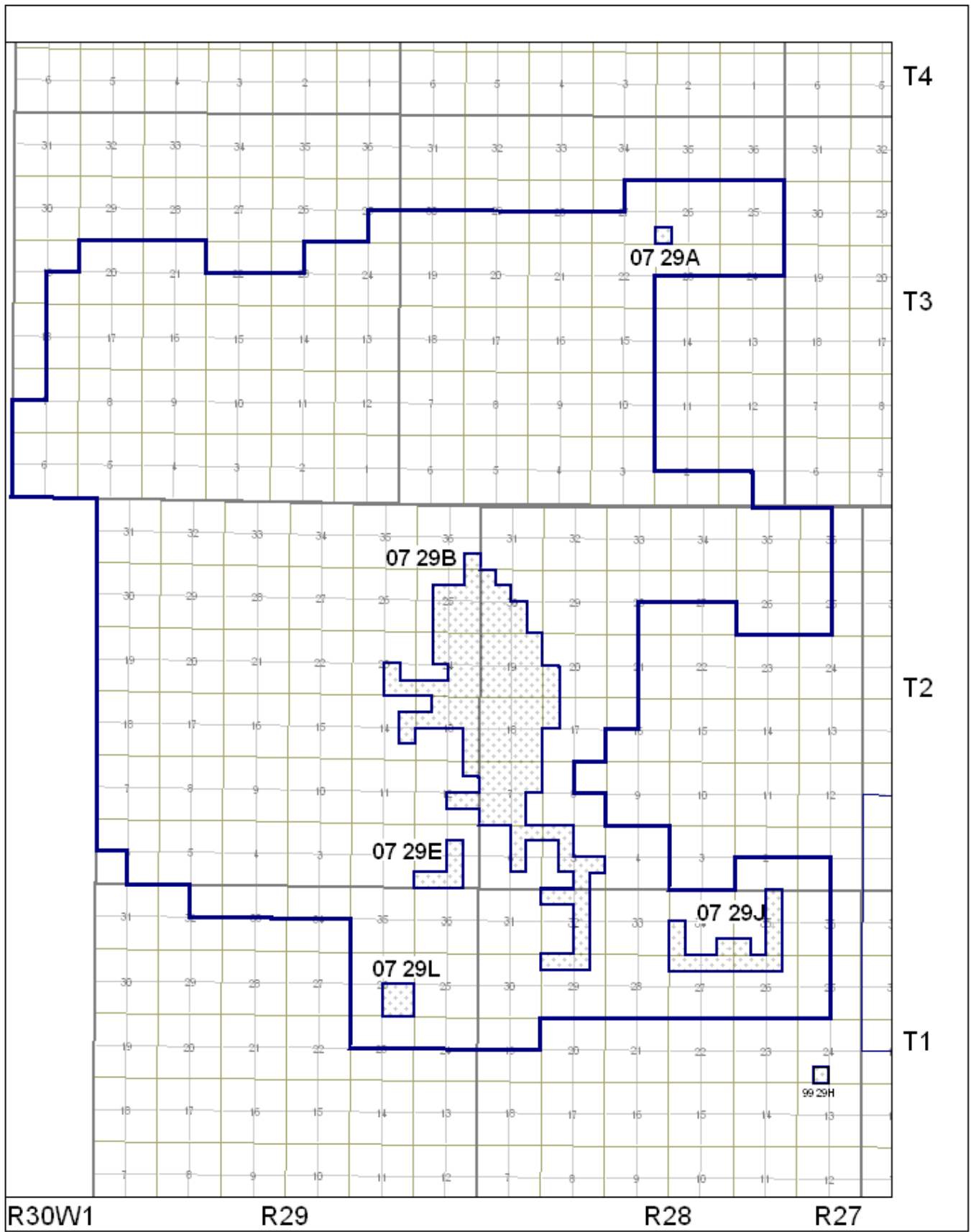
Manitoba Petroleum Branch



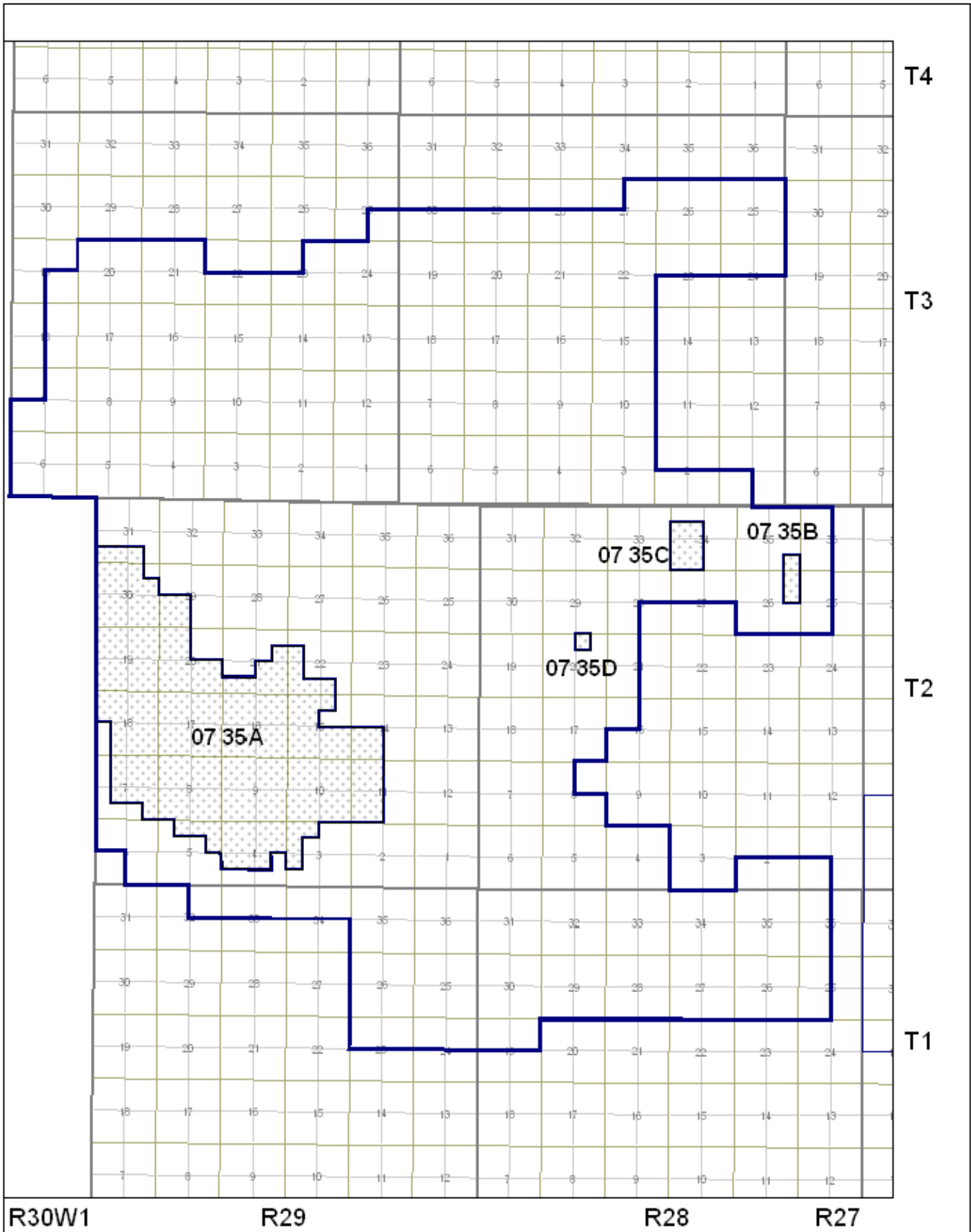
**WHITEWATER LAKE LODGEPOLE WL POOLS  
(06 52A - 06 52C)**



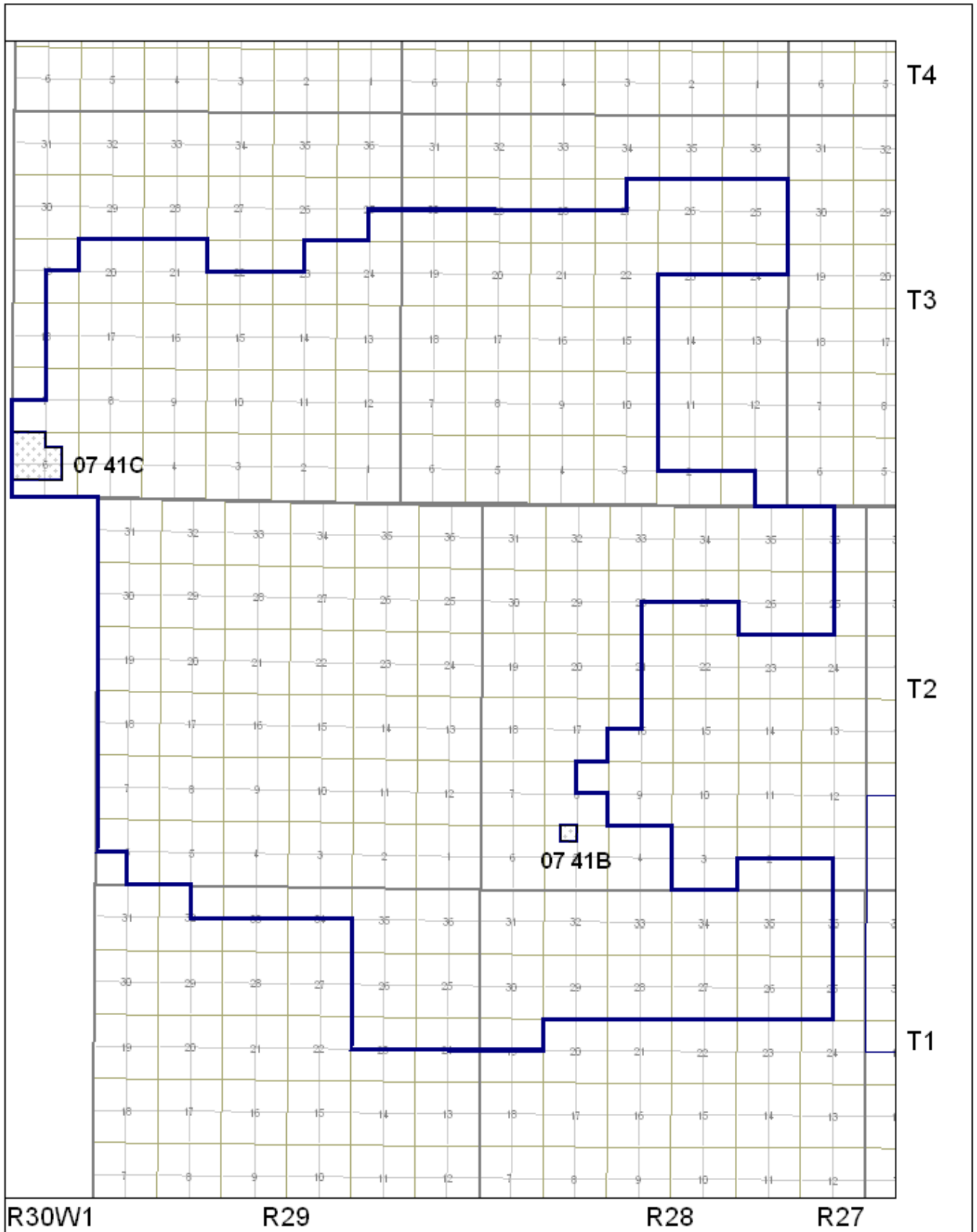
**WHITEWATER LAKE LODGEPOLE VIRDEN POOL  
(06 53A)**



**PIERSON LOWER AMARANTH POOLS  
(07 29A – 07 29L)**

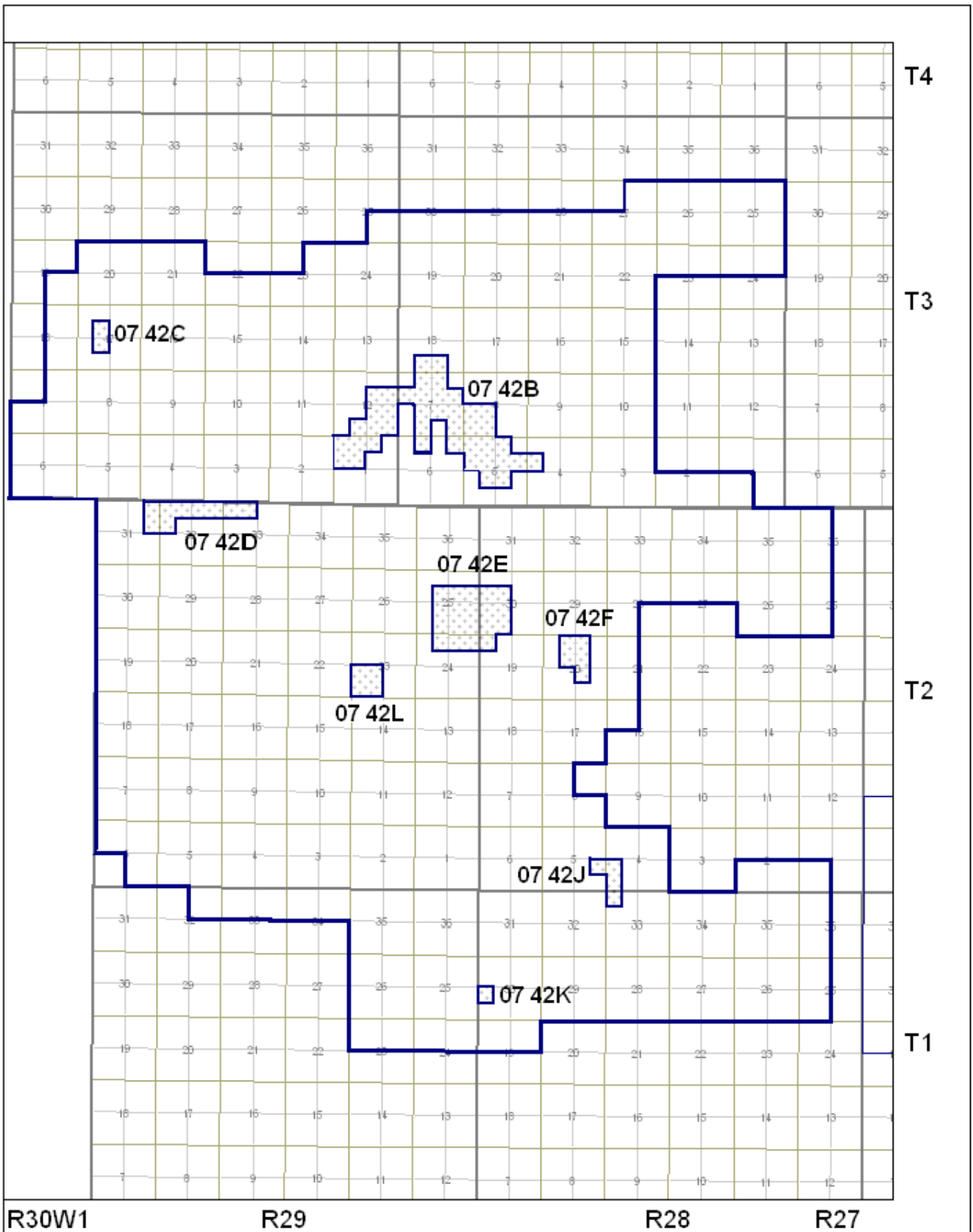


**PIERSON LOWER AMARANTH – MISSION CANYON 3B POOLS  
(07 35A – 07 35D)**

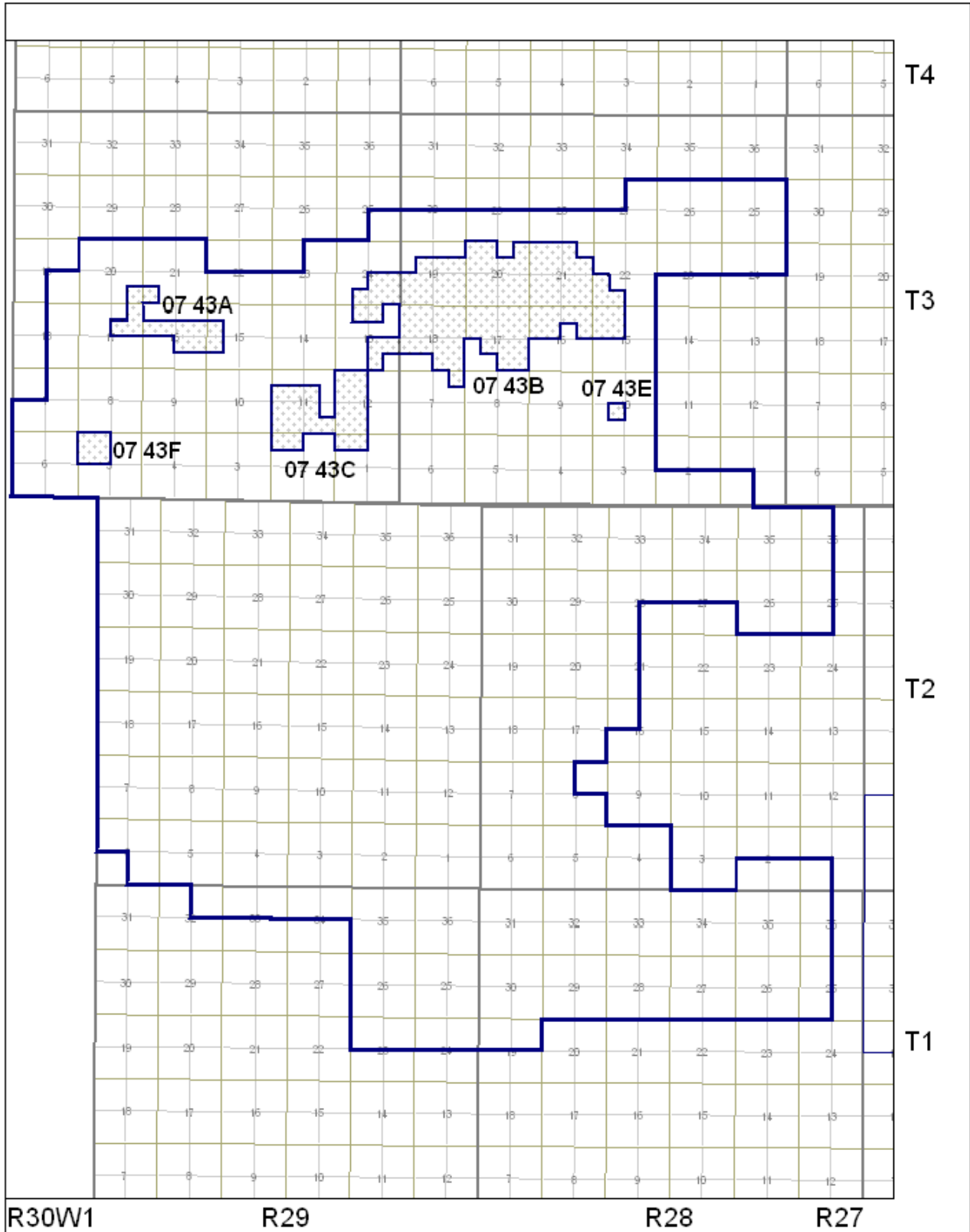


**PIERSON MISSION CANYON 3 POOLS  
(07 41B & 07 41C)**

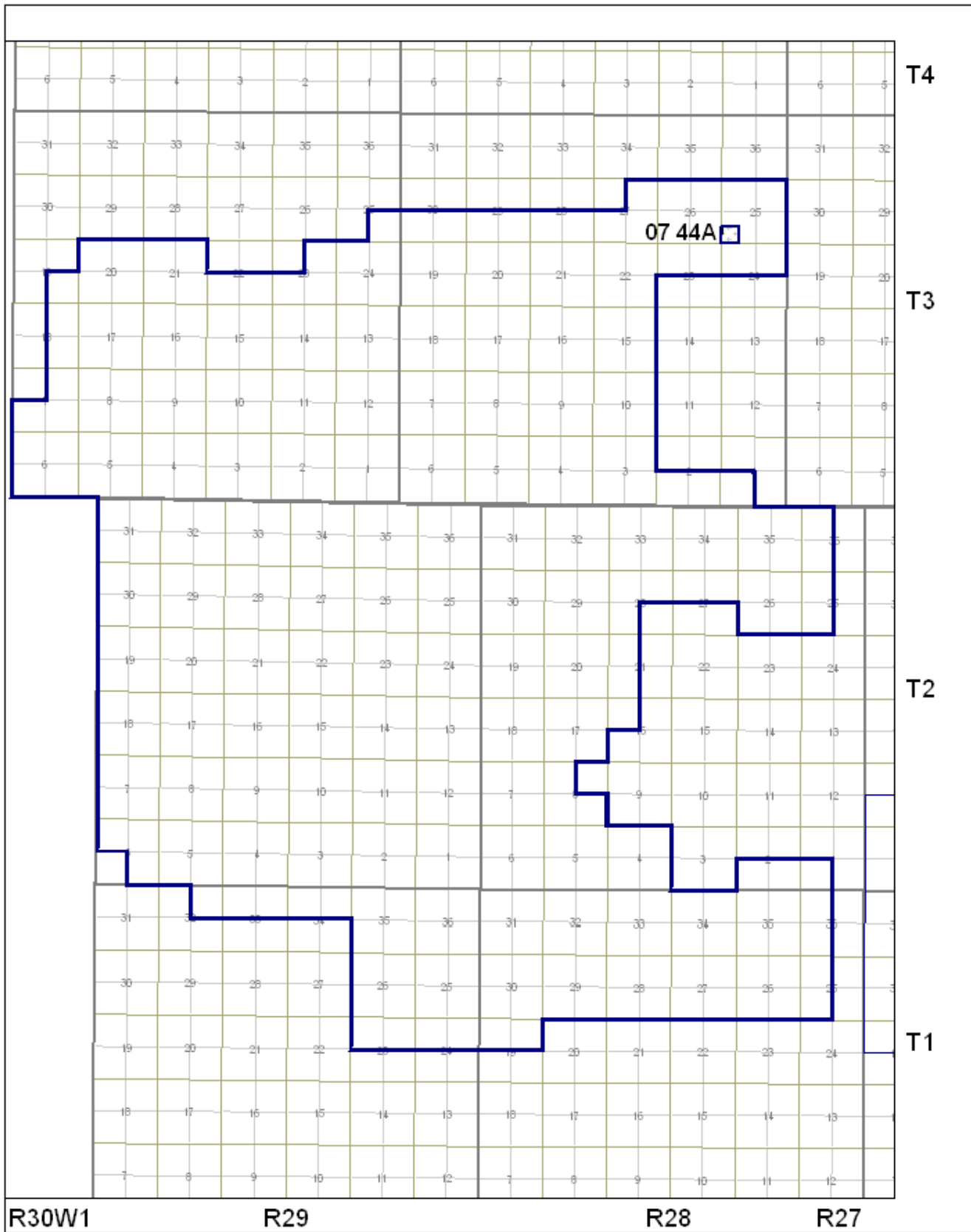




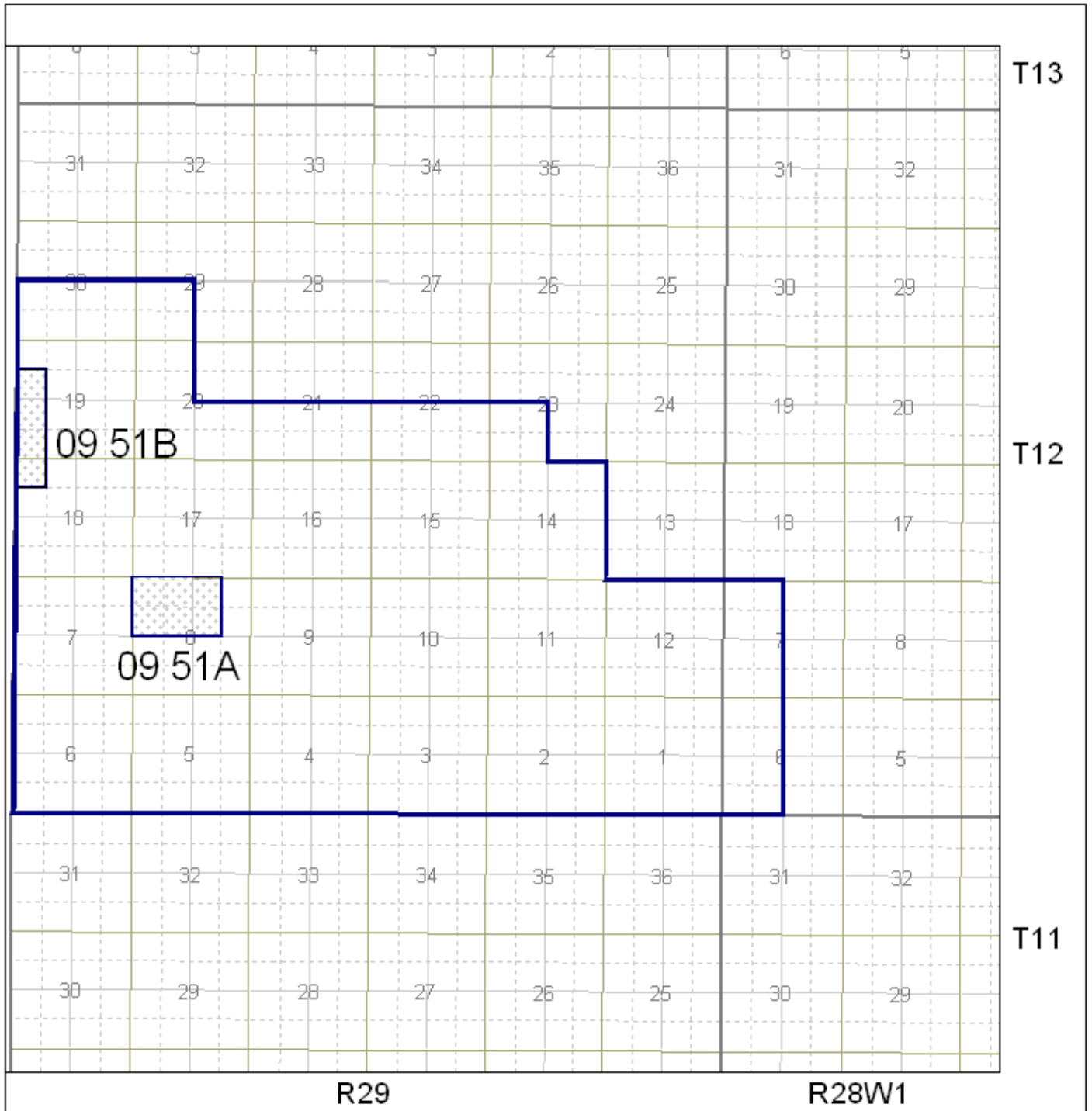
**PIERSON MISSION CANYON 3b POOLS  
(07 42B – 07 42L)**



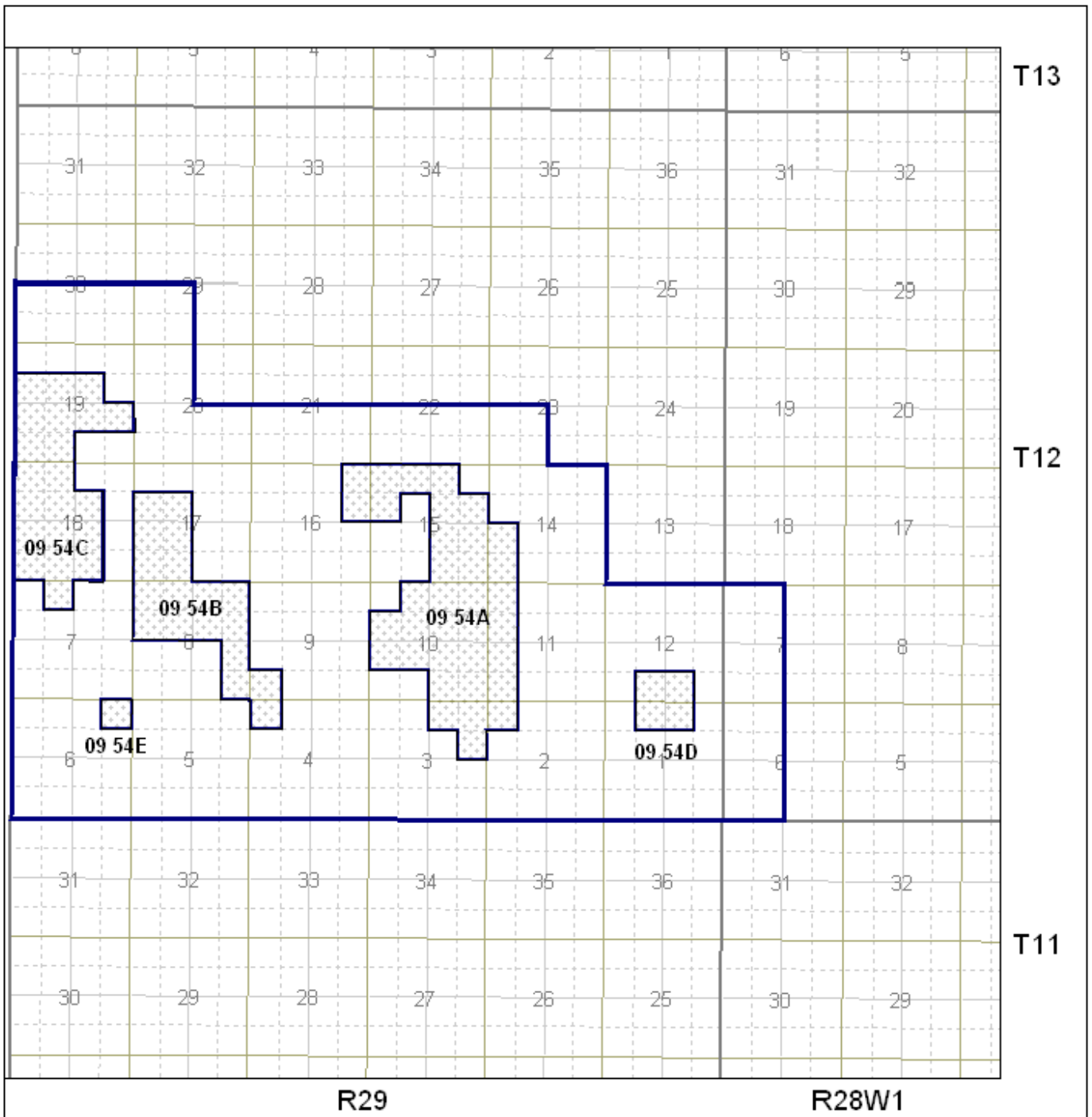
**PIERSON MISSION CANYON 3a POOLS  
(07 43A – 07 43F)**



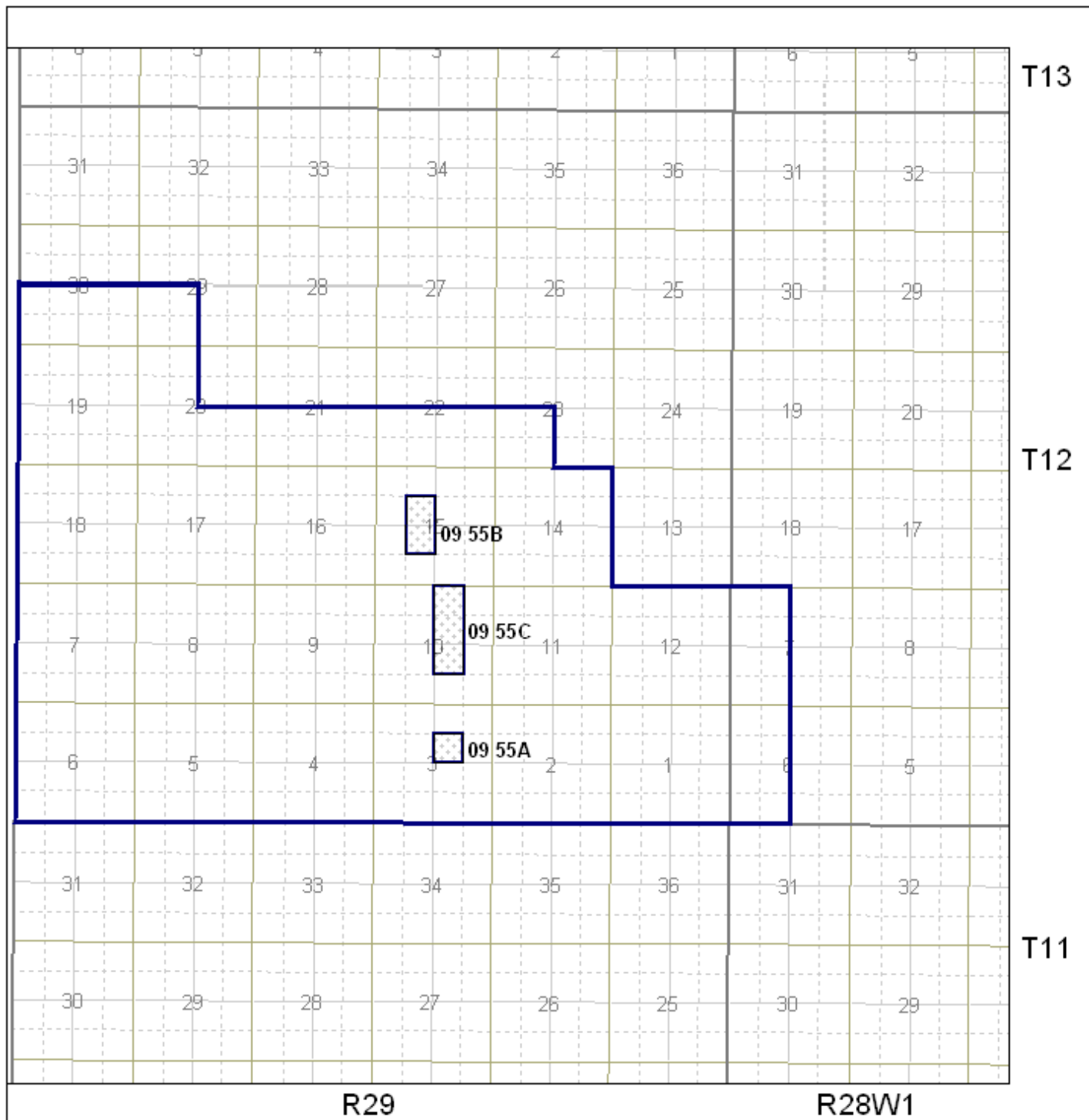
**PIERSON MISSION CANYON 1A POOL  
(07 44A)**



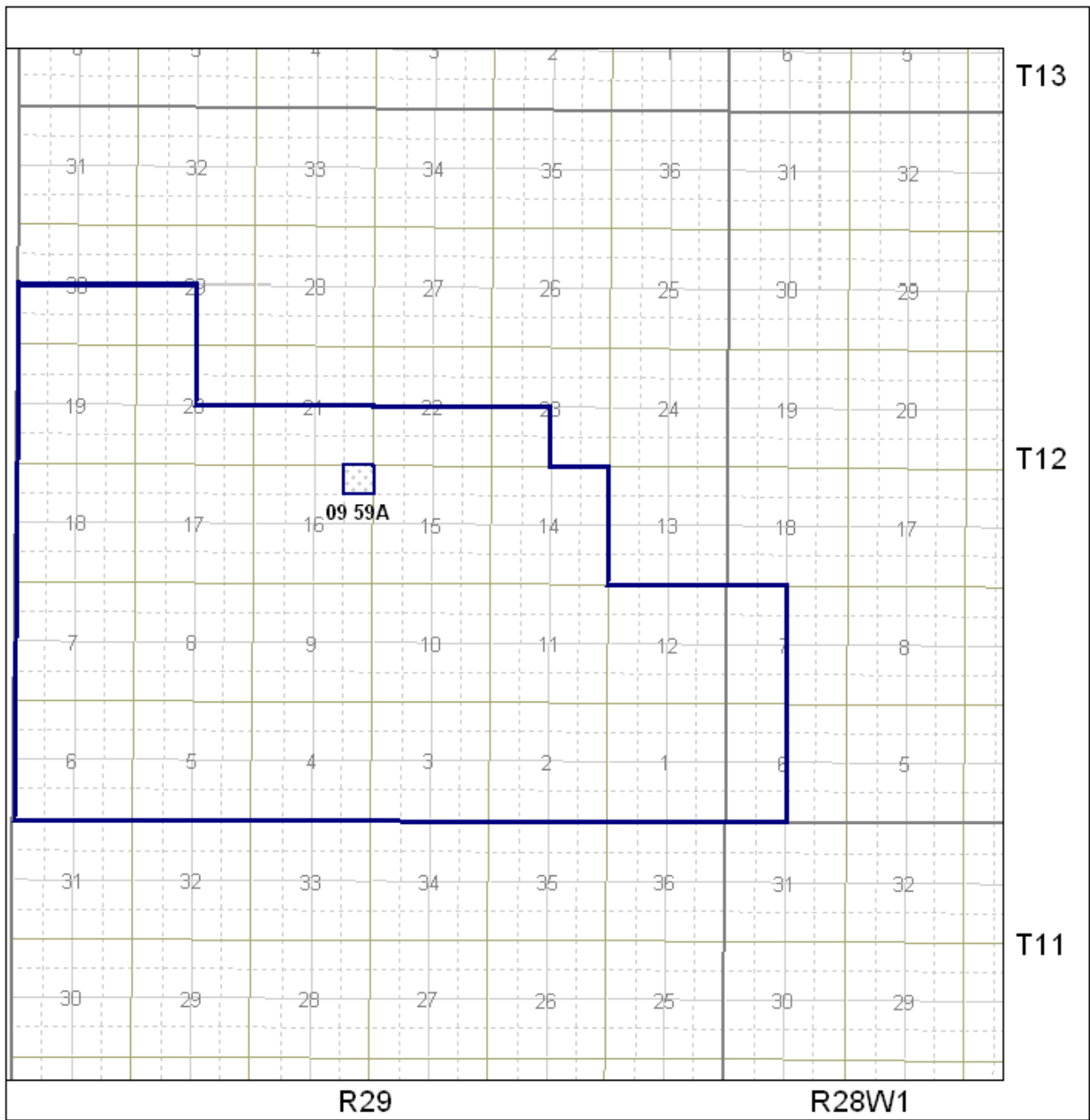
**KIRKELLA LODGEPOLE DOLOMITE POOLS  
(09 51A – 09 51B)**



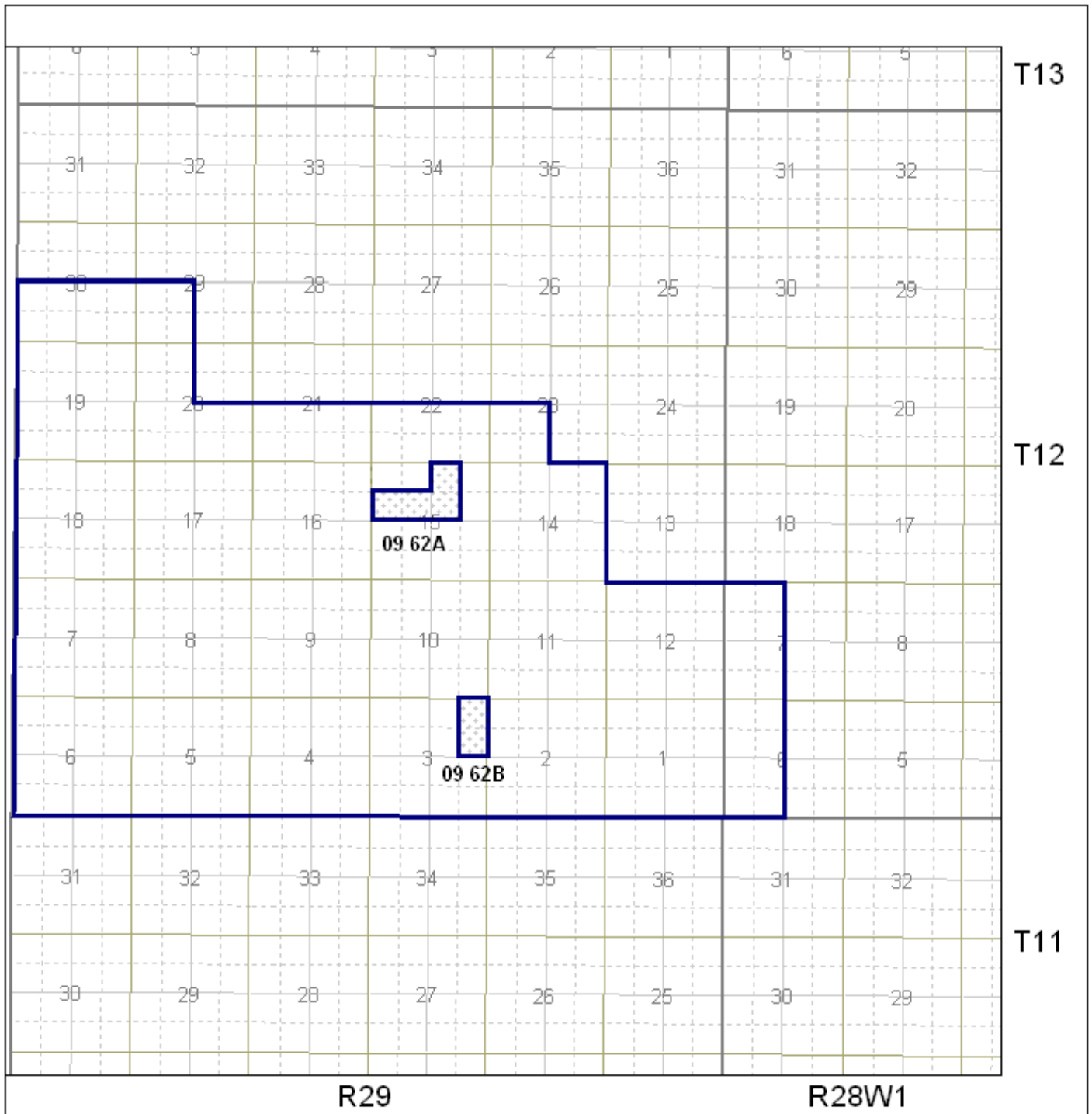
**KIRKELLA LODGEPOLE DALY POOLS  
(09 54A – 09 54E)**



**KIRKELLA LODGEPOLE CRINOIDAL POOLS  
(09 55A – 09 55C)**

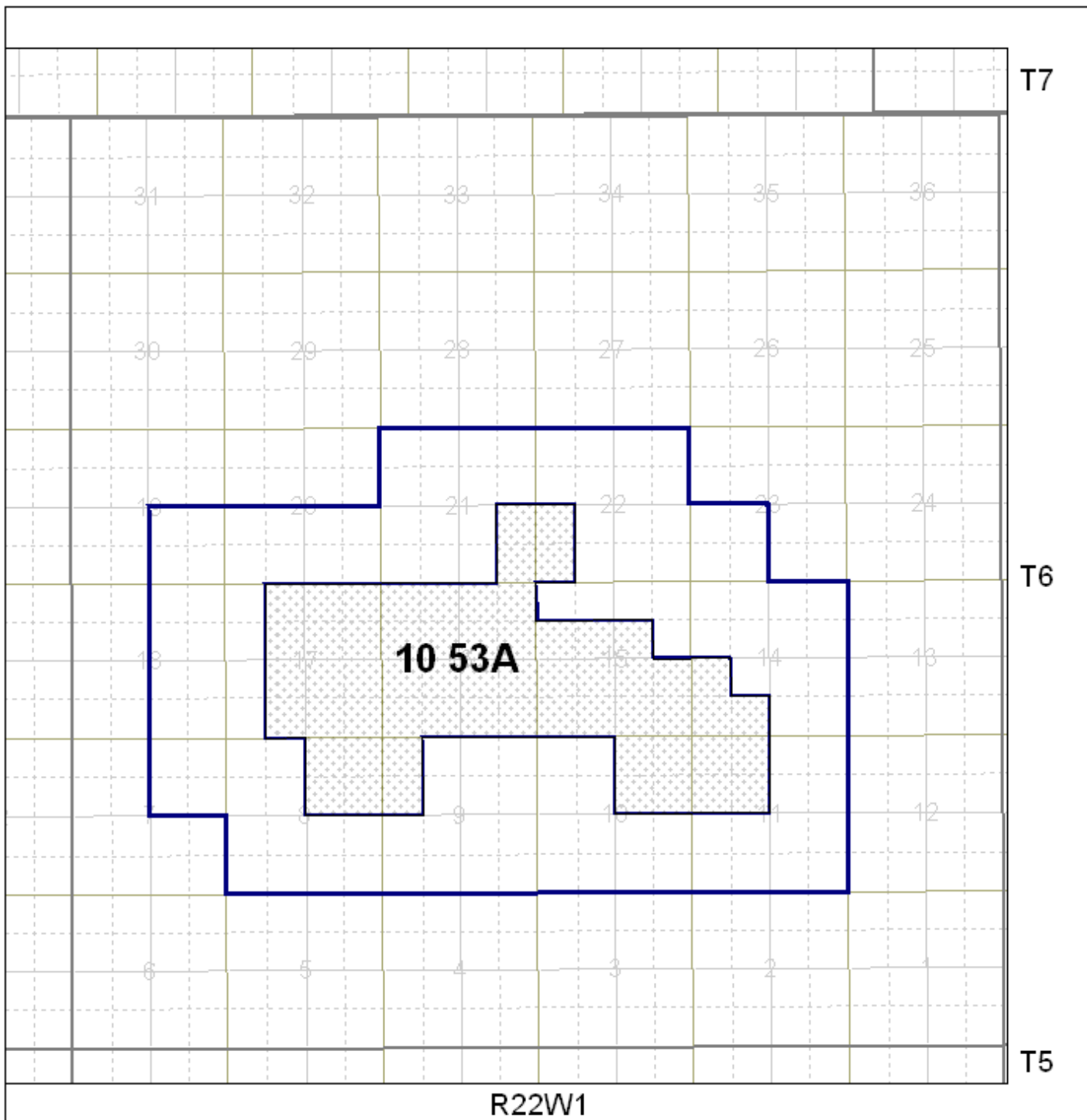


**KIRKELLA LODGEPOLE POOLS  
(09 59A)**

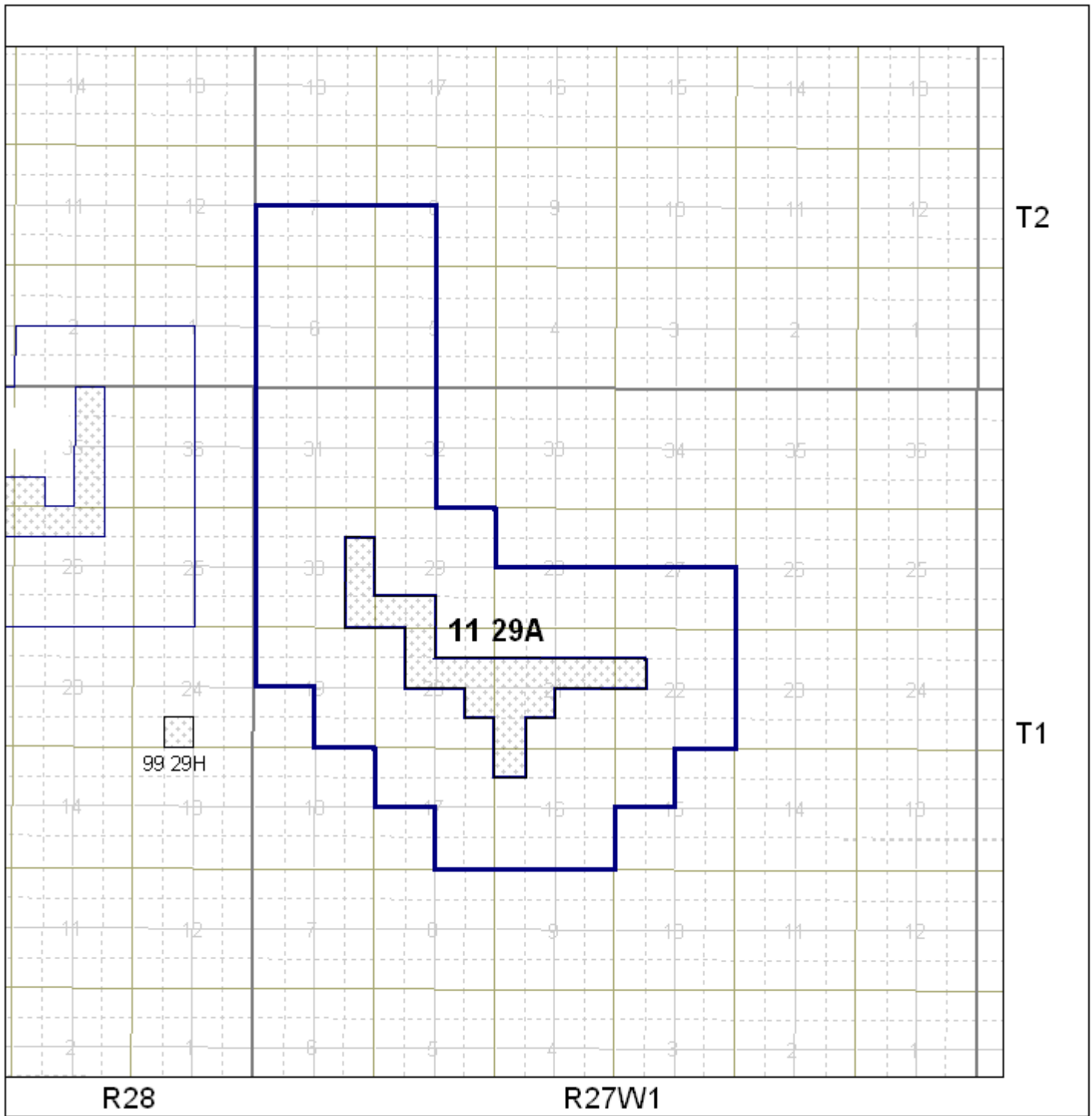


**KIRKELLA BAKKEN – THREE FORKS POOLS  
(09 62A & 09 62B)**

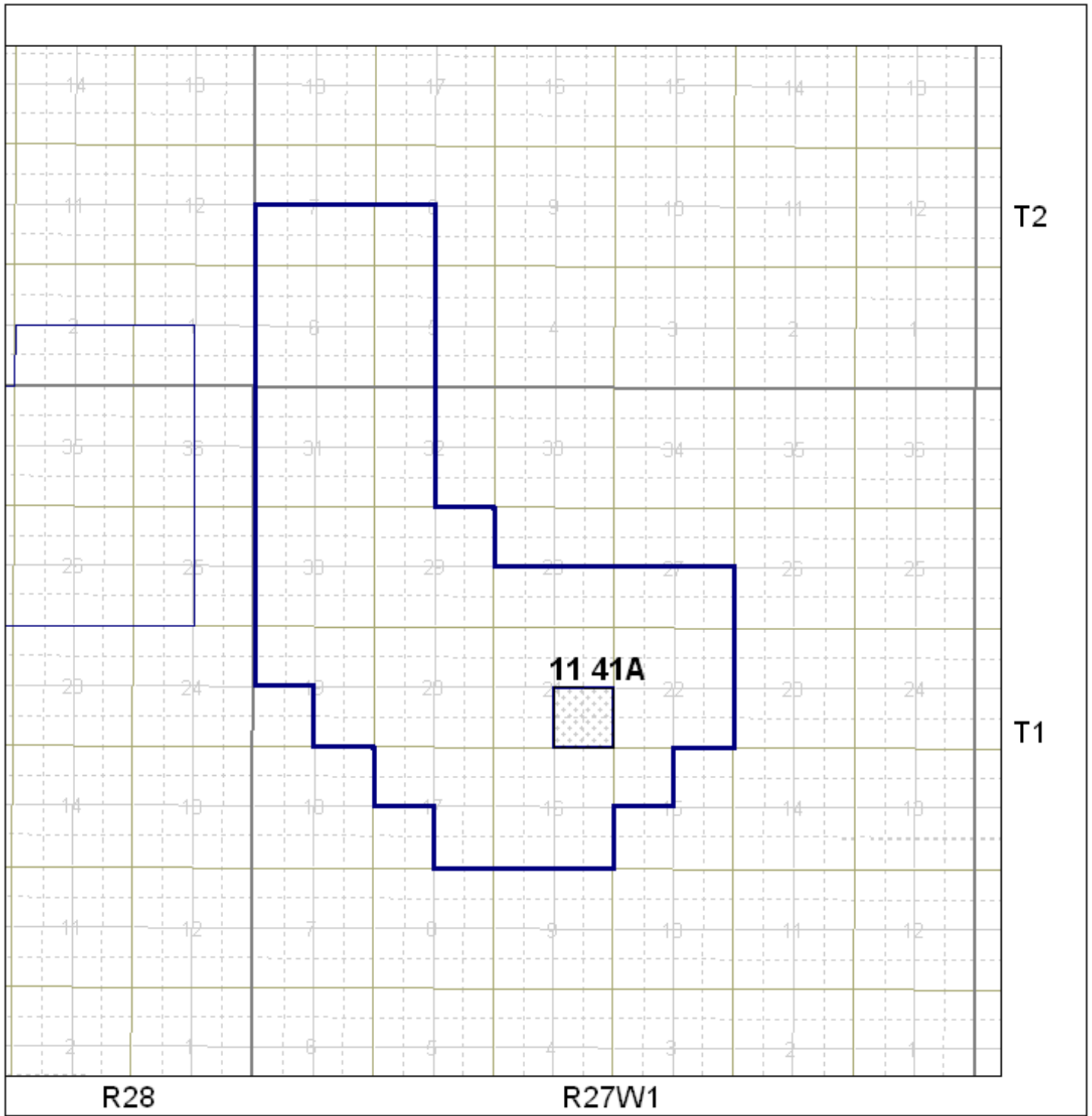




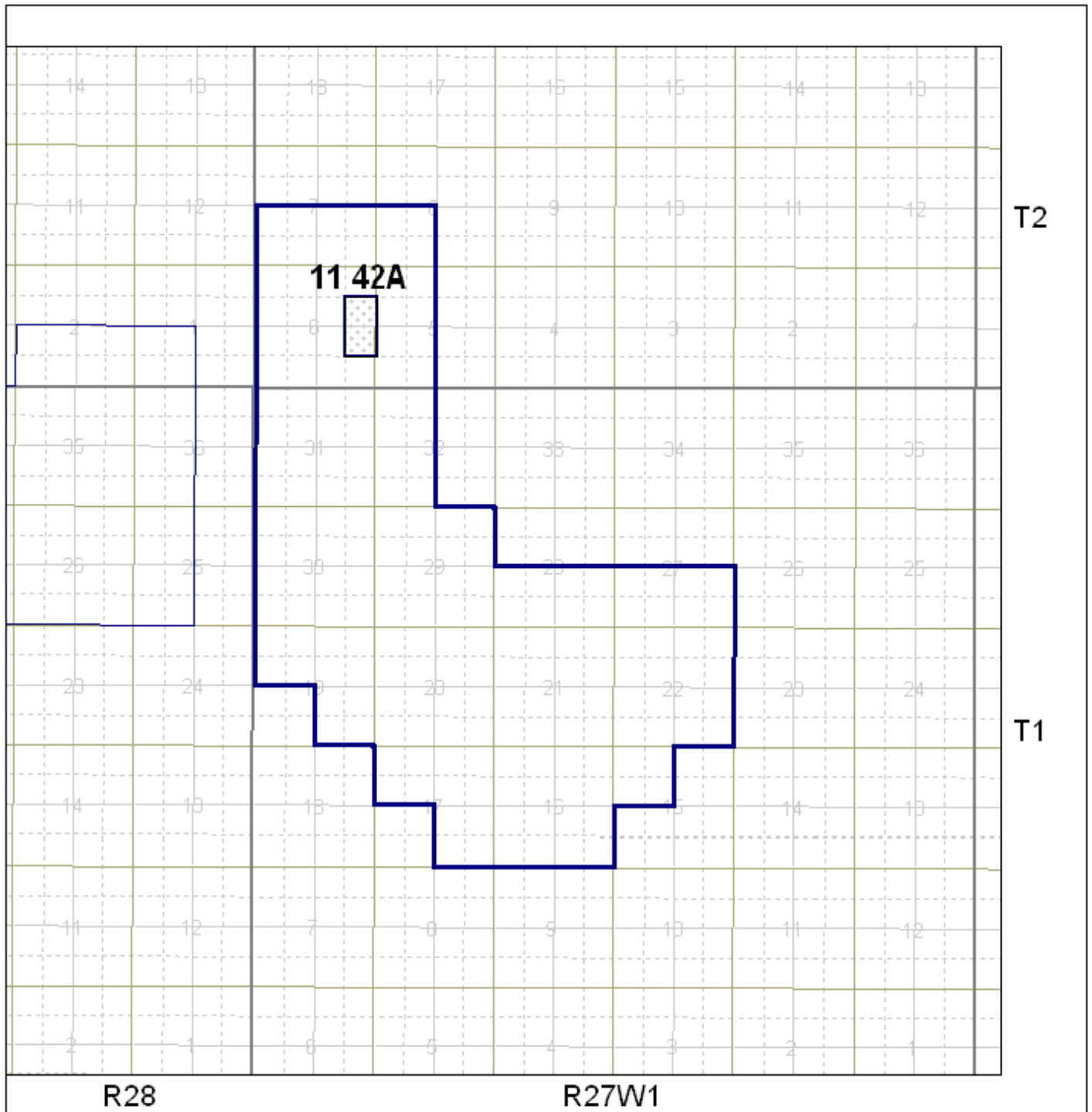
**SOURIS HARTNEY LODGEPOLE VIRDEN A POOL  
(10 53A)**



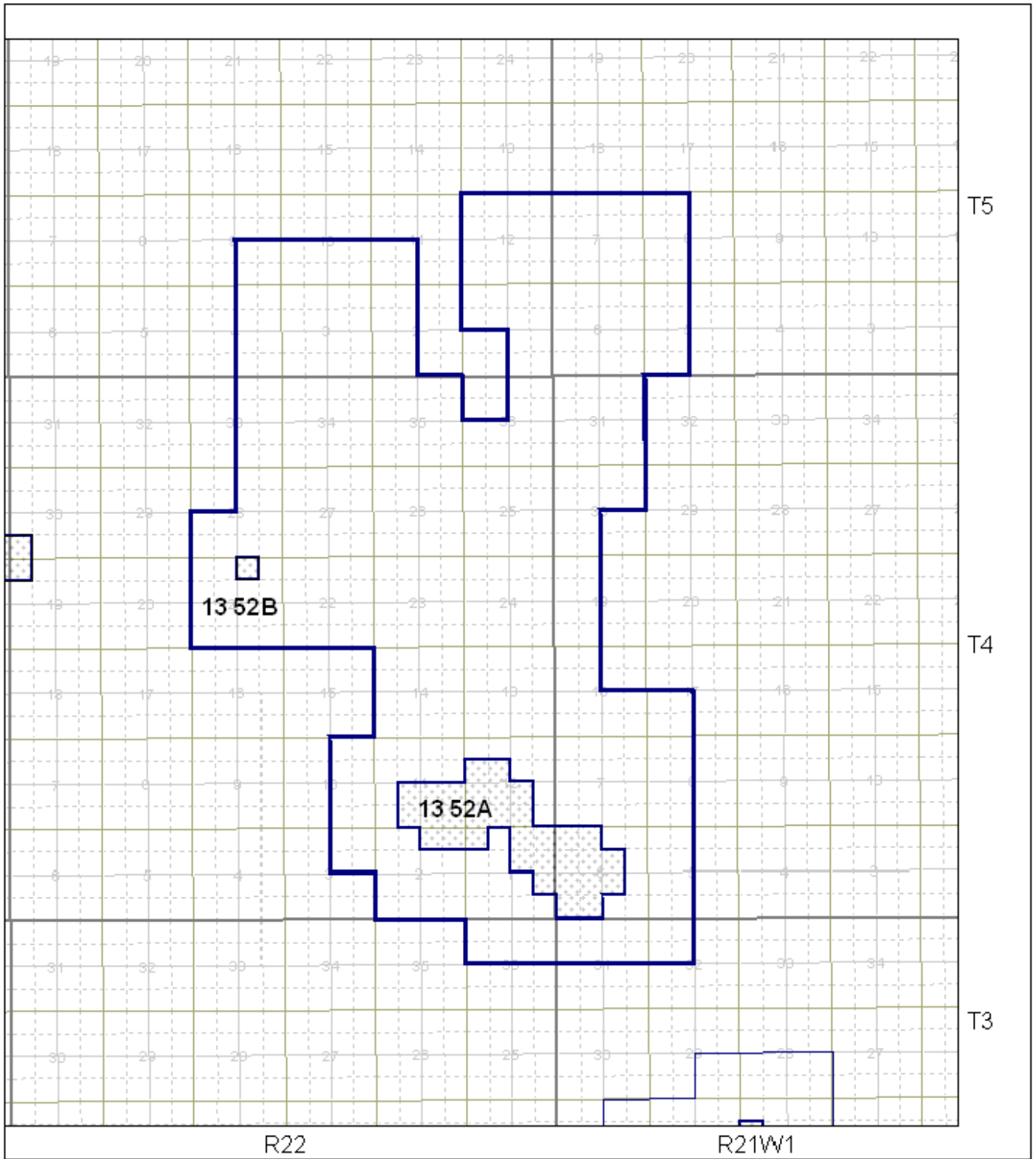
**COULTERS LOWER AMARANTH POOLS  
(11 29A)**



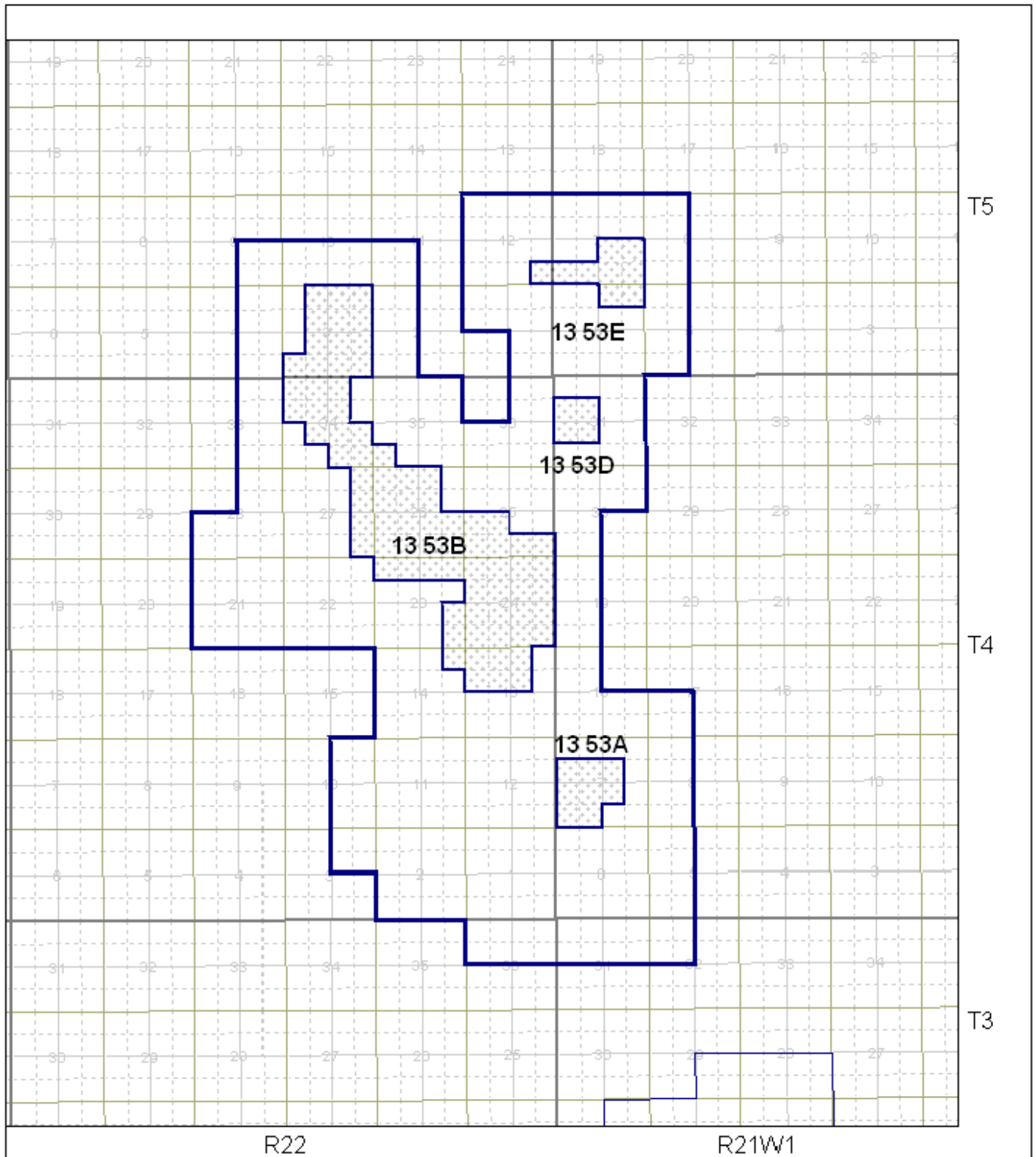
**COULTER MISSION CANYON 3 POOL  
(11 41A)**



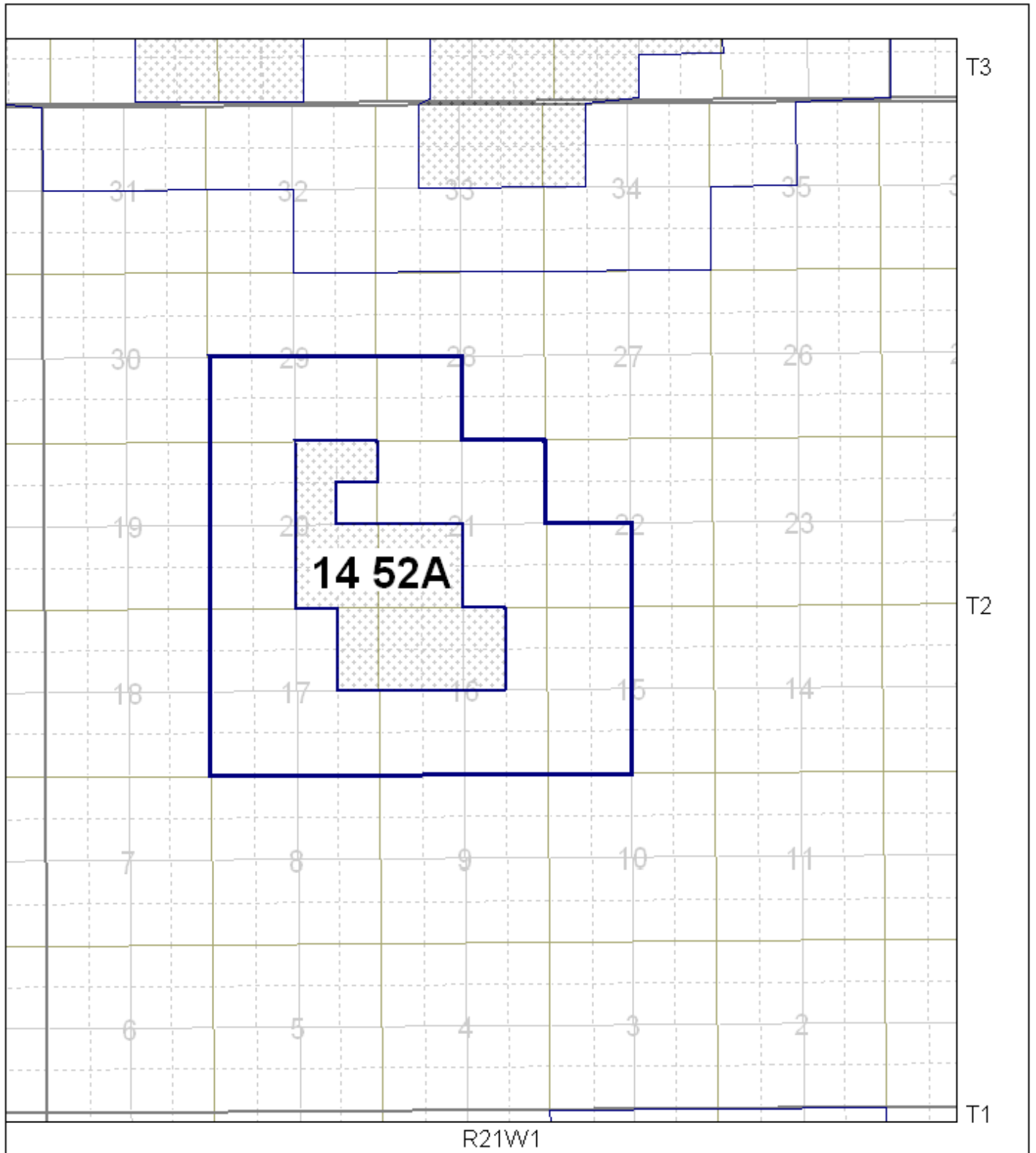
**COULTER MISSION CANYON 3B POOLS  
(11 42A)**



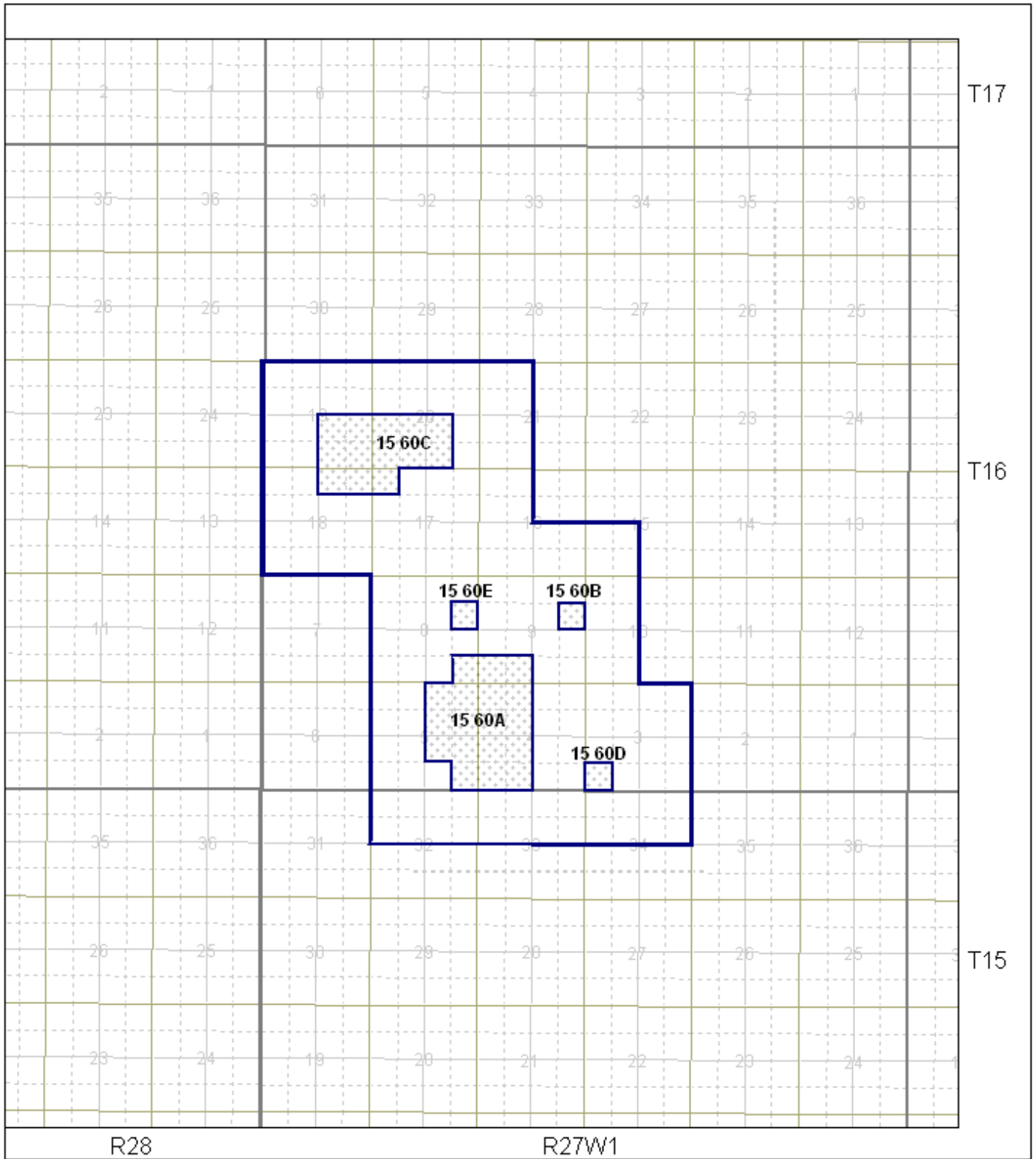
**REGENT WHITEWATER LAKE POOLS  
(13 52A – 13 52B)**



**REGENT LODGEPOLE VIRDEN POOLS  
(13 53A – 13 53E)**

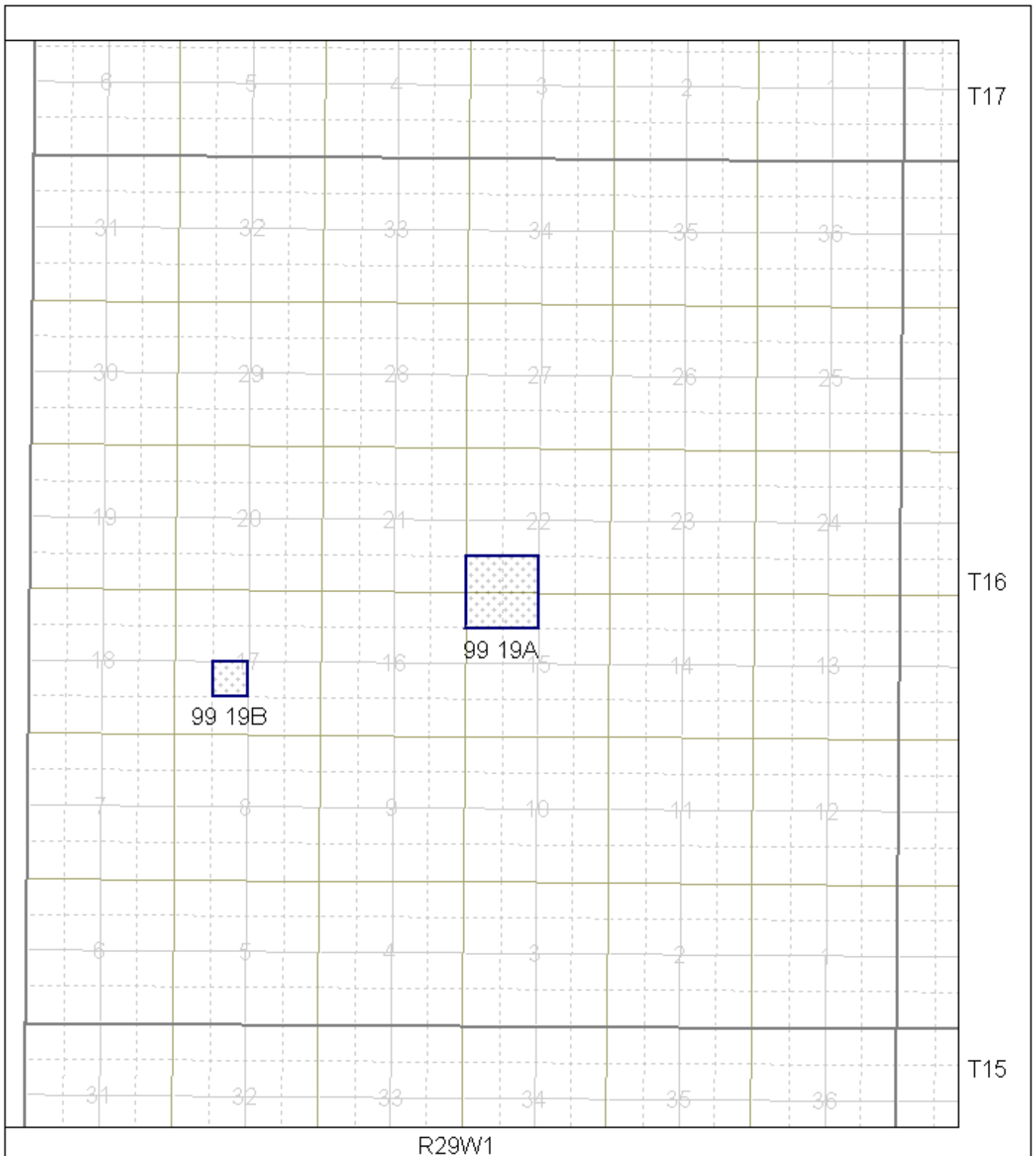


**MOUNTAINSIDE LODGEPOLE WHITEWATER LAKE POOLS  
(14 52A)**

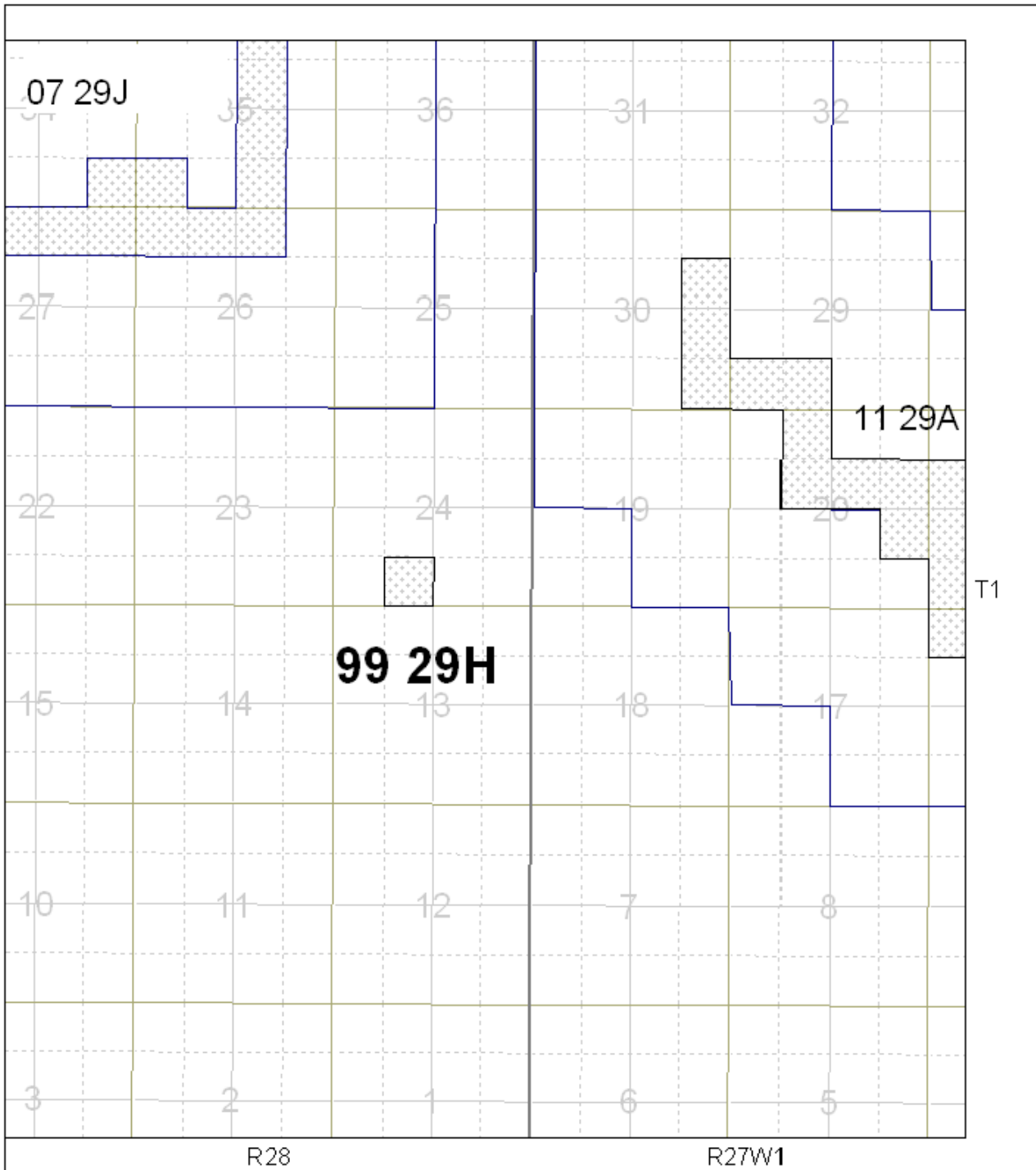


**BIRDTAIL BAKKEN POOLS  
(15 60A – 15 60E)**

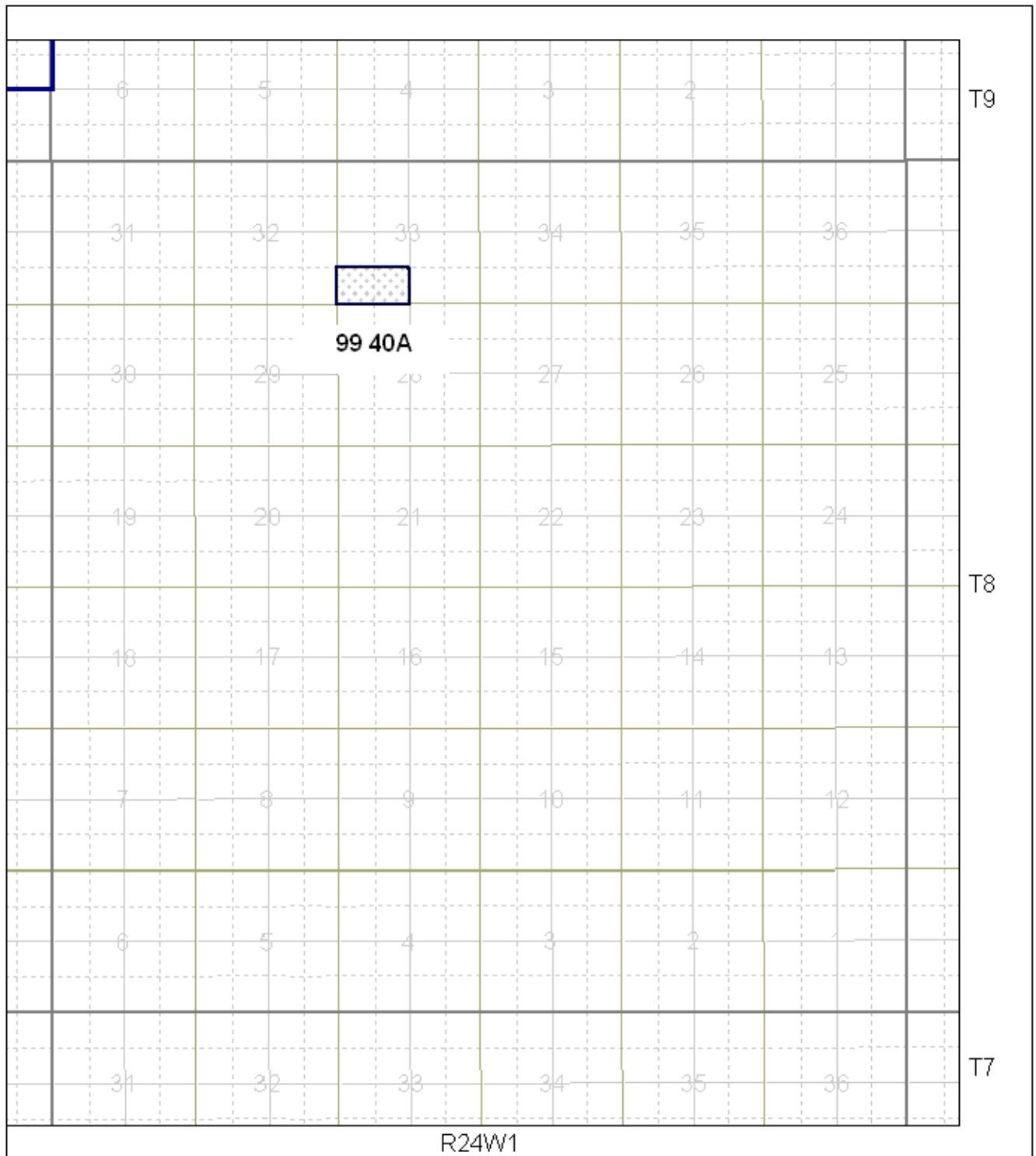




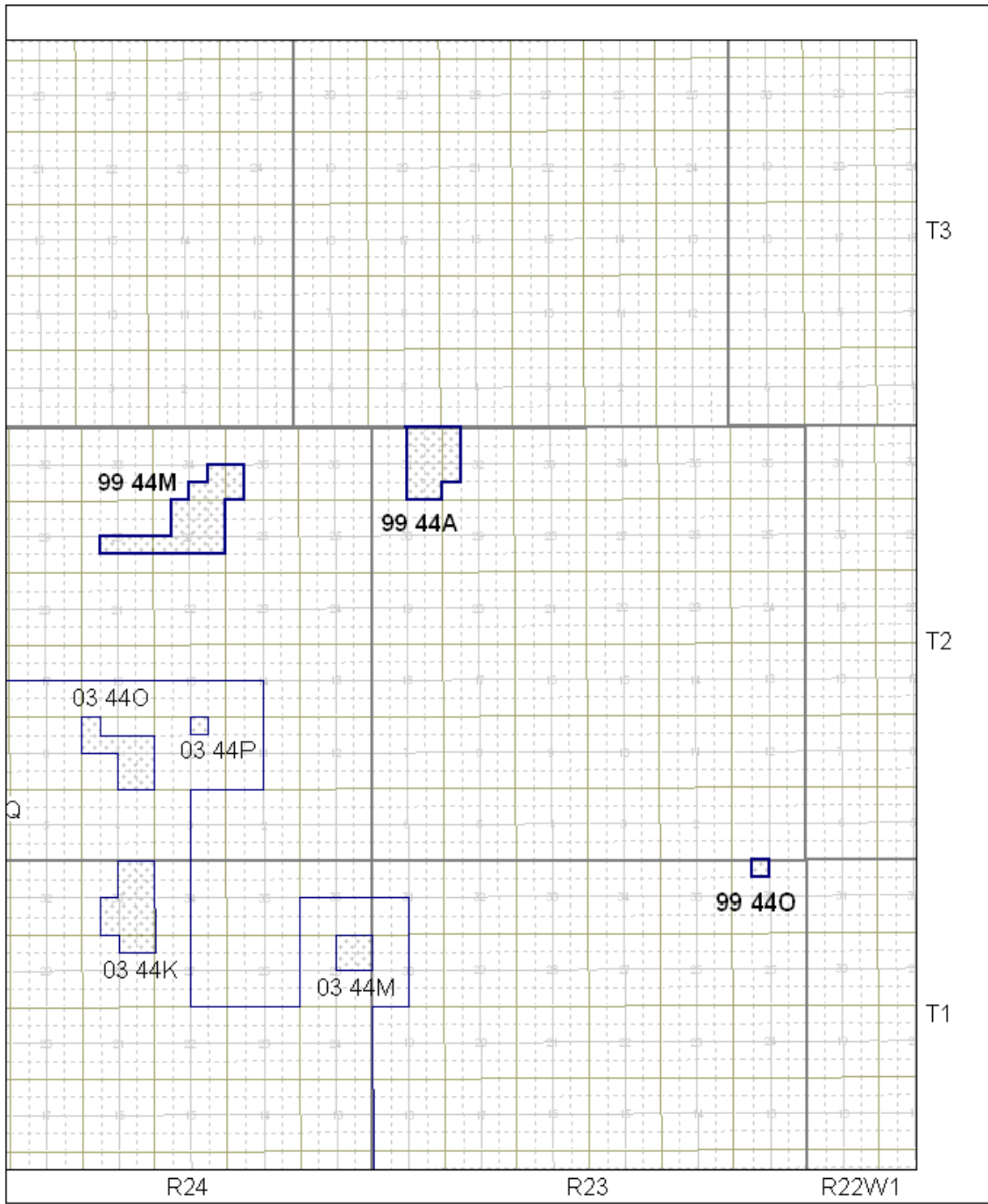
**OTHER AREAS MELITA A POOL  
(99 19A & 99 19B)**



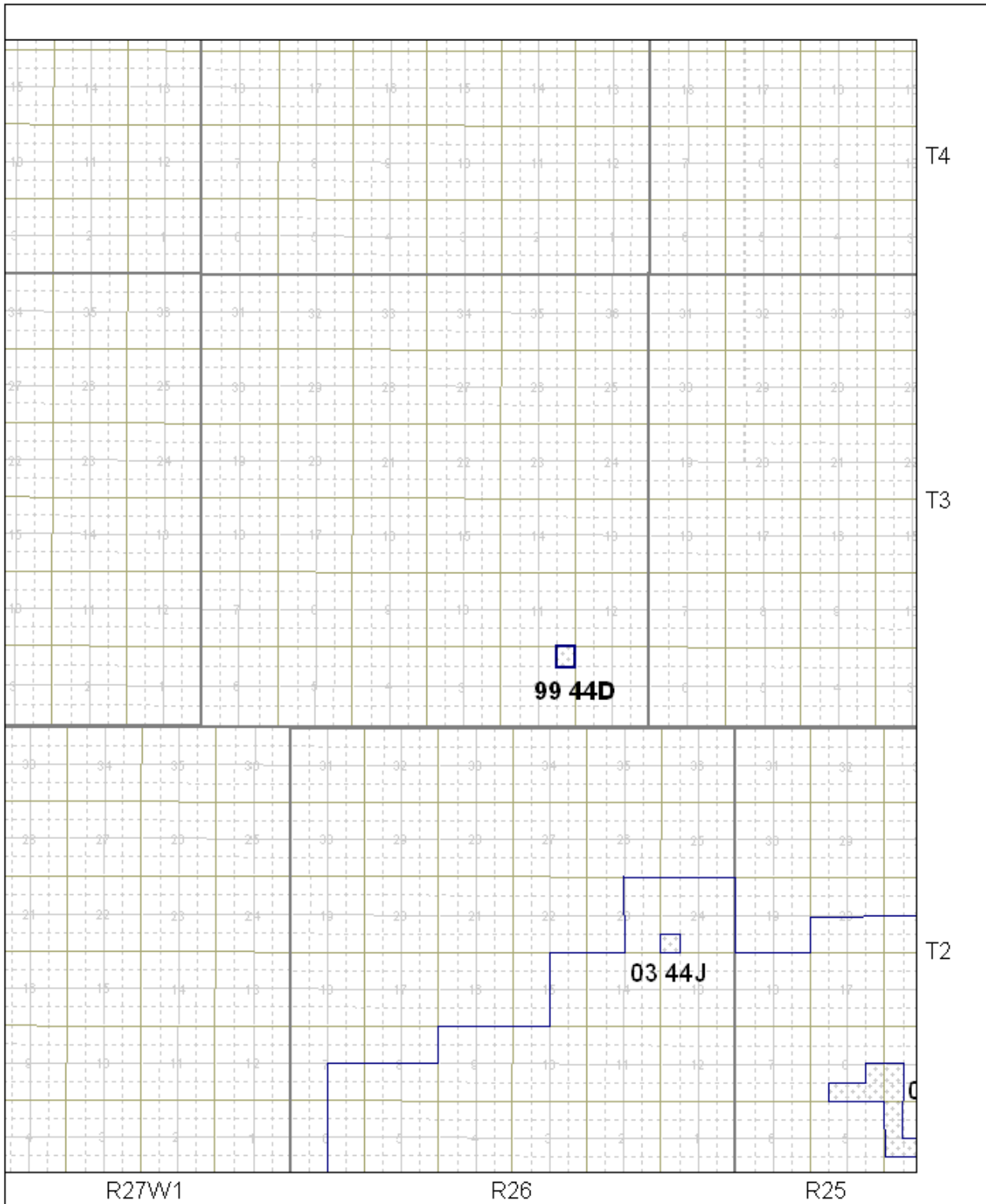
**OTHER AREAS LOWER AMARANTH H POOL  
(99 29H)**



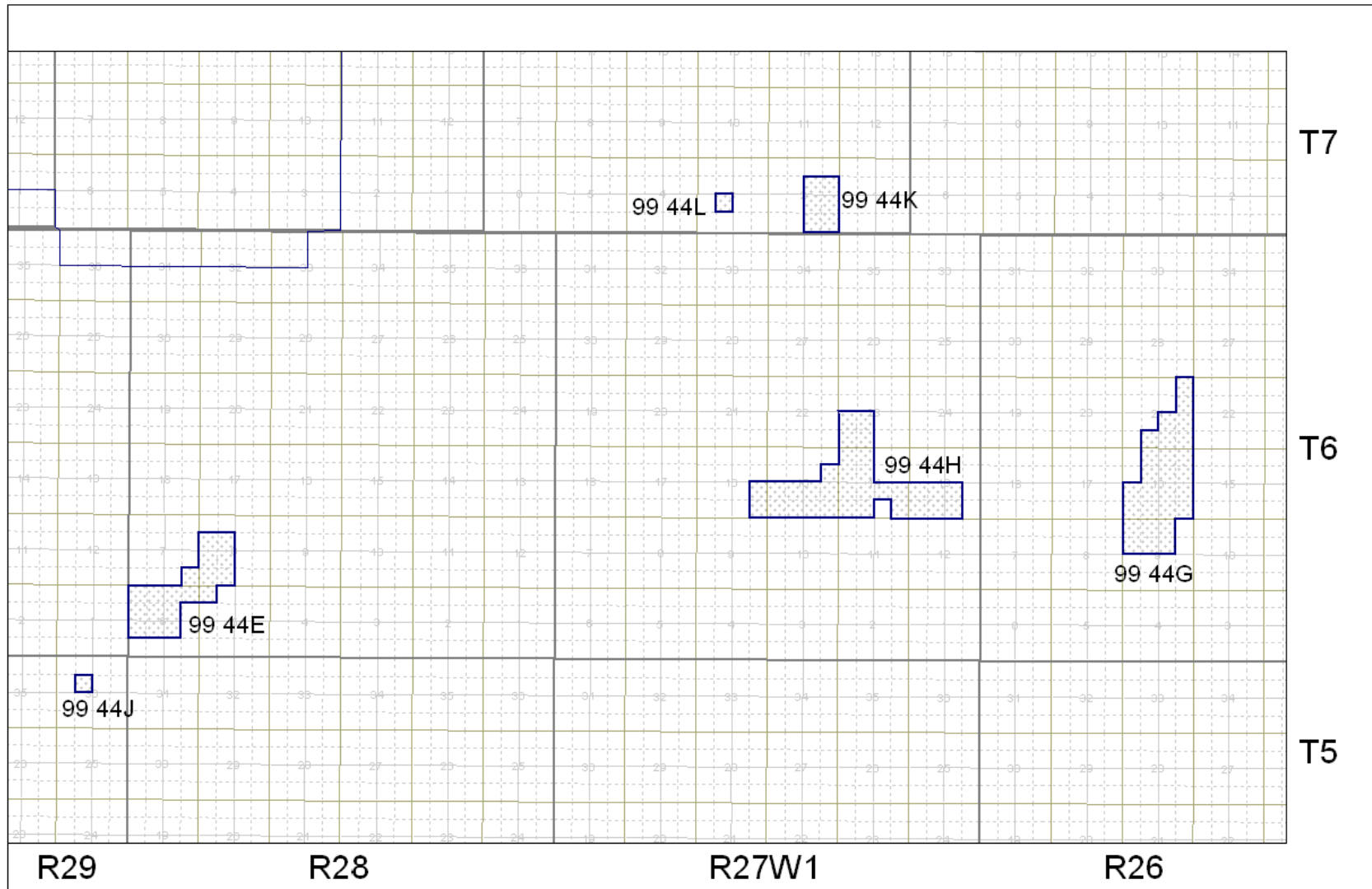
**OTHER AREAS LOWER AMARANTH – LODGEPOLE A POOL  
(99 40A)**



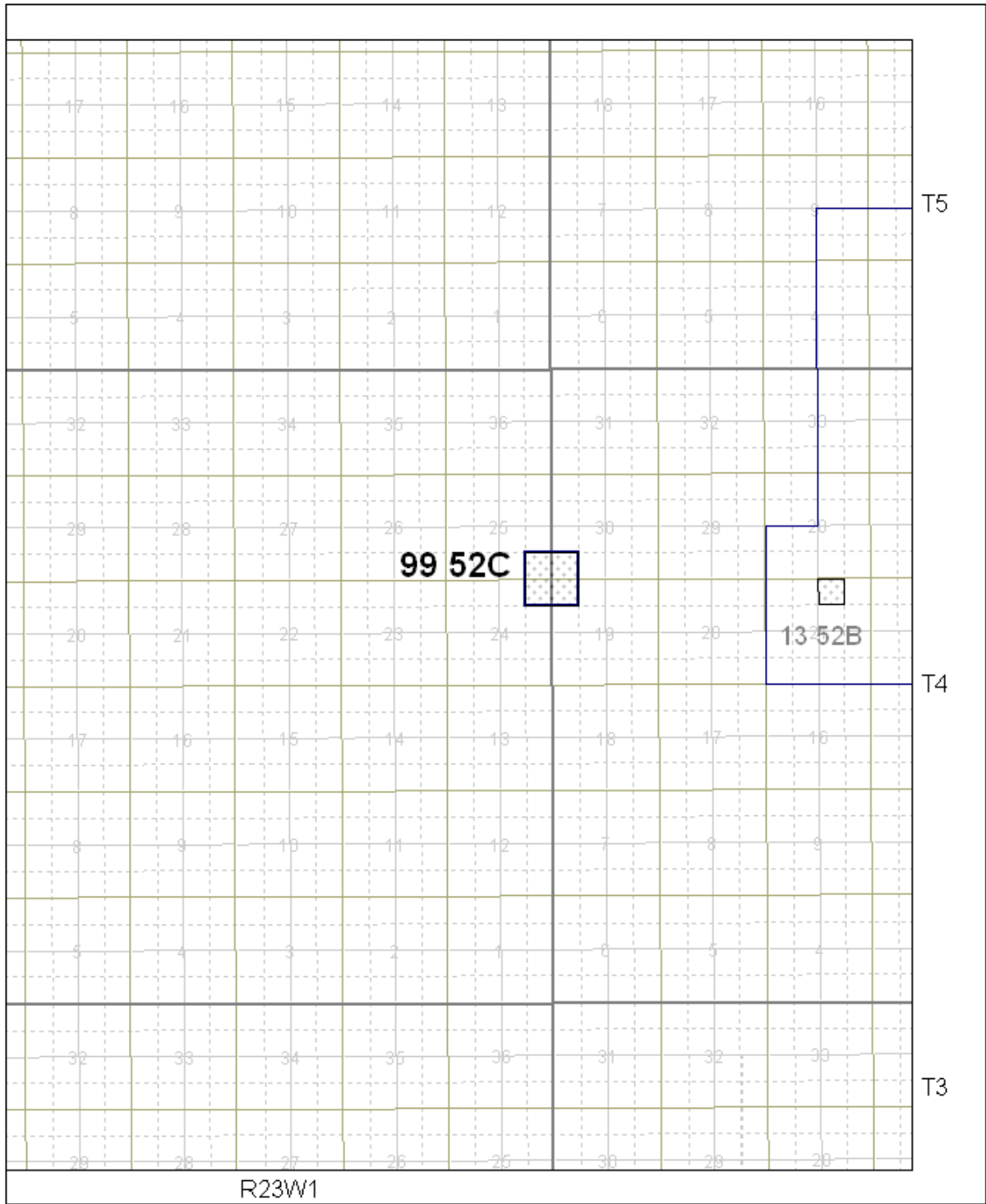
**OTHER AREAS MISSION CANYON 1 POOLS  
(99 44A, 99 44M & 99 44O)**



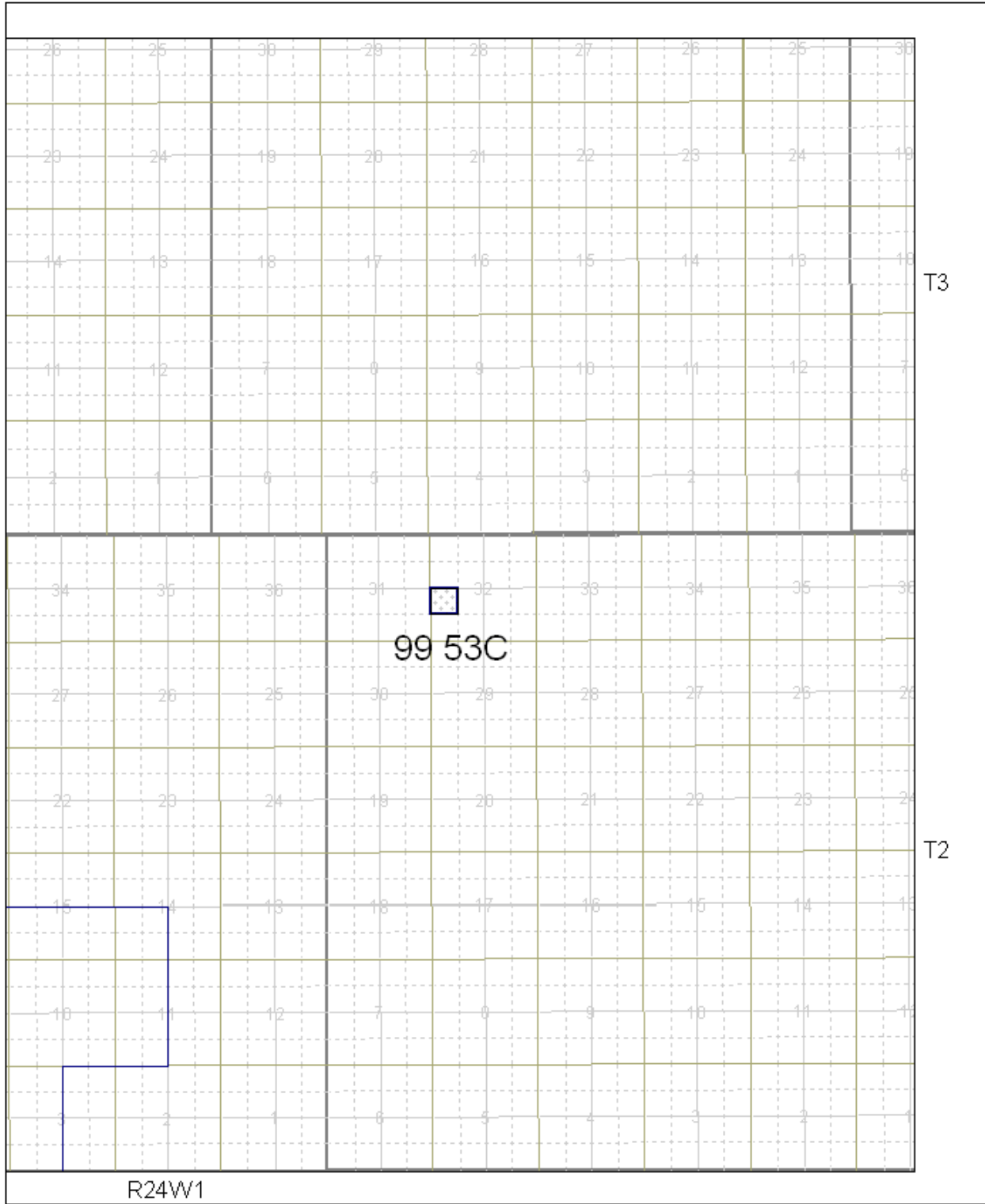
**OTHER AREAS MISSION CANYON 1 POOLS  
(99 44D)**



**OTHER AREAS MISSION CANYON 1 POOLS  
(99 44E, 99 44G, 99 44H, 99 44 J, 99 44K & 99 44L)**

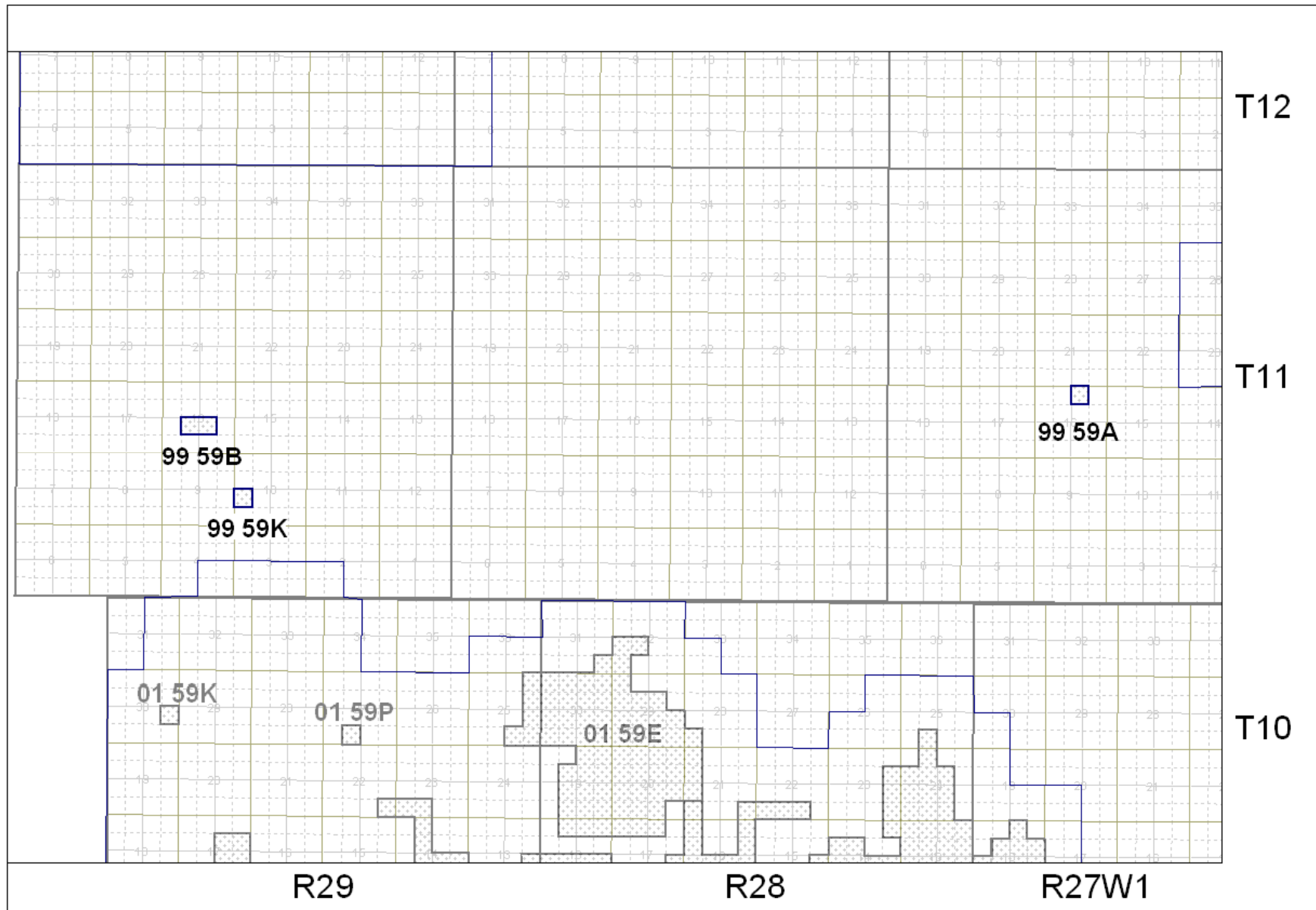


**OTHER AREAS LODGEPOLE WHITEWATER LAKE C POOL  
(99 52C)**

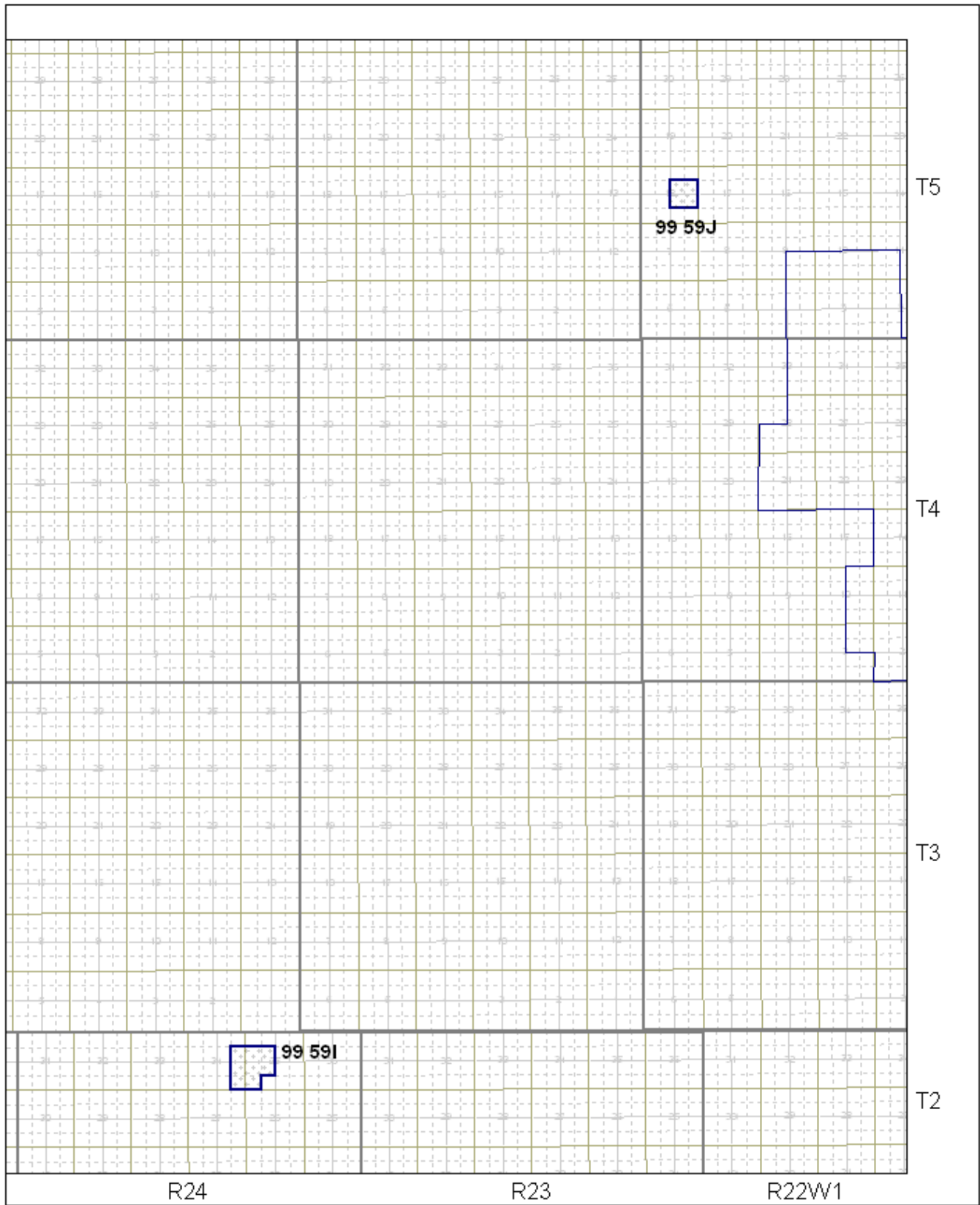


**OTHER AREAS LODGEPOLE VIRDEN C POOL  
(99 53C)**

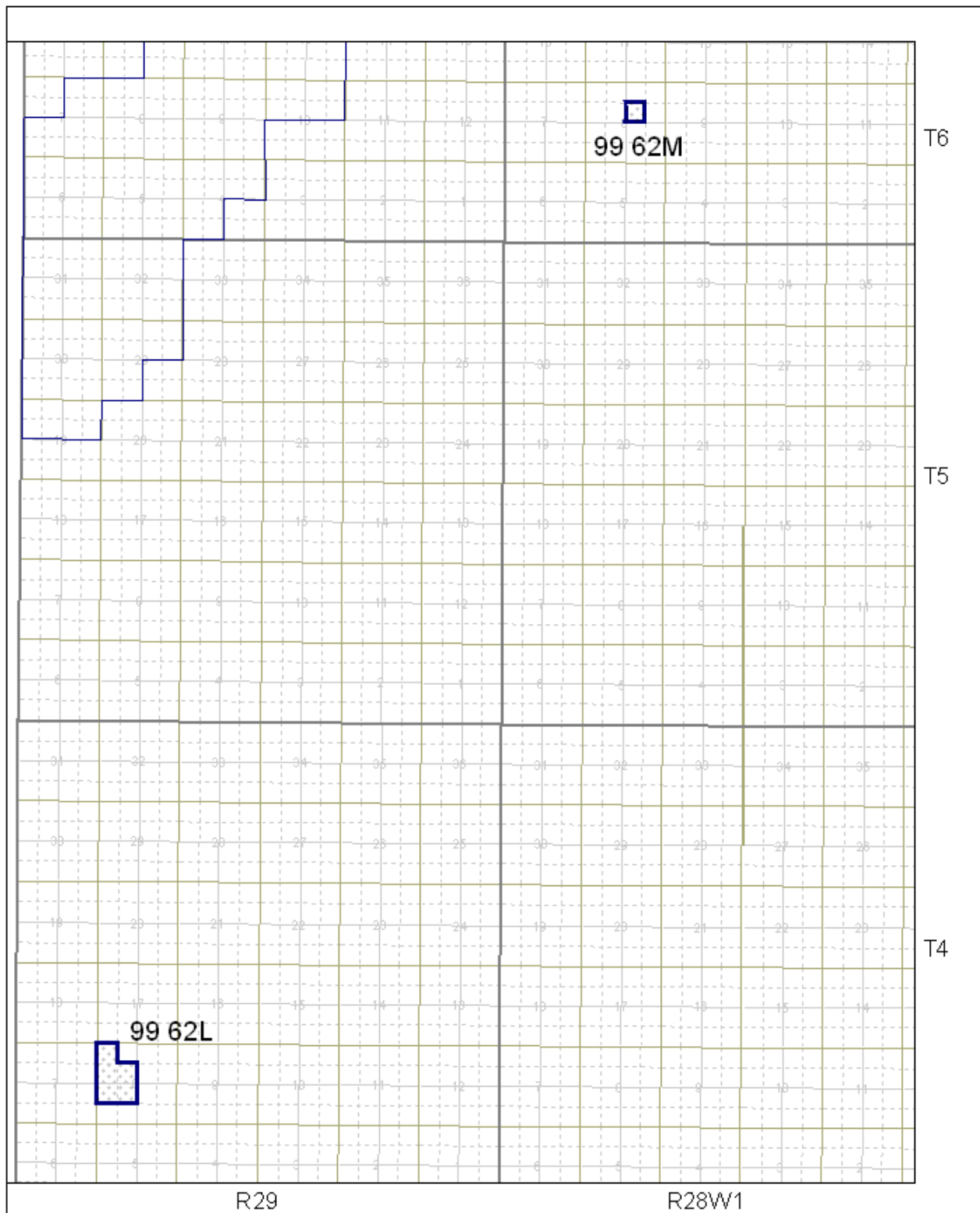




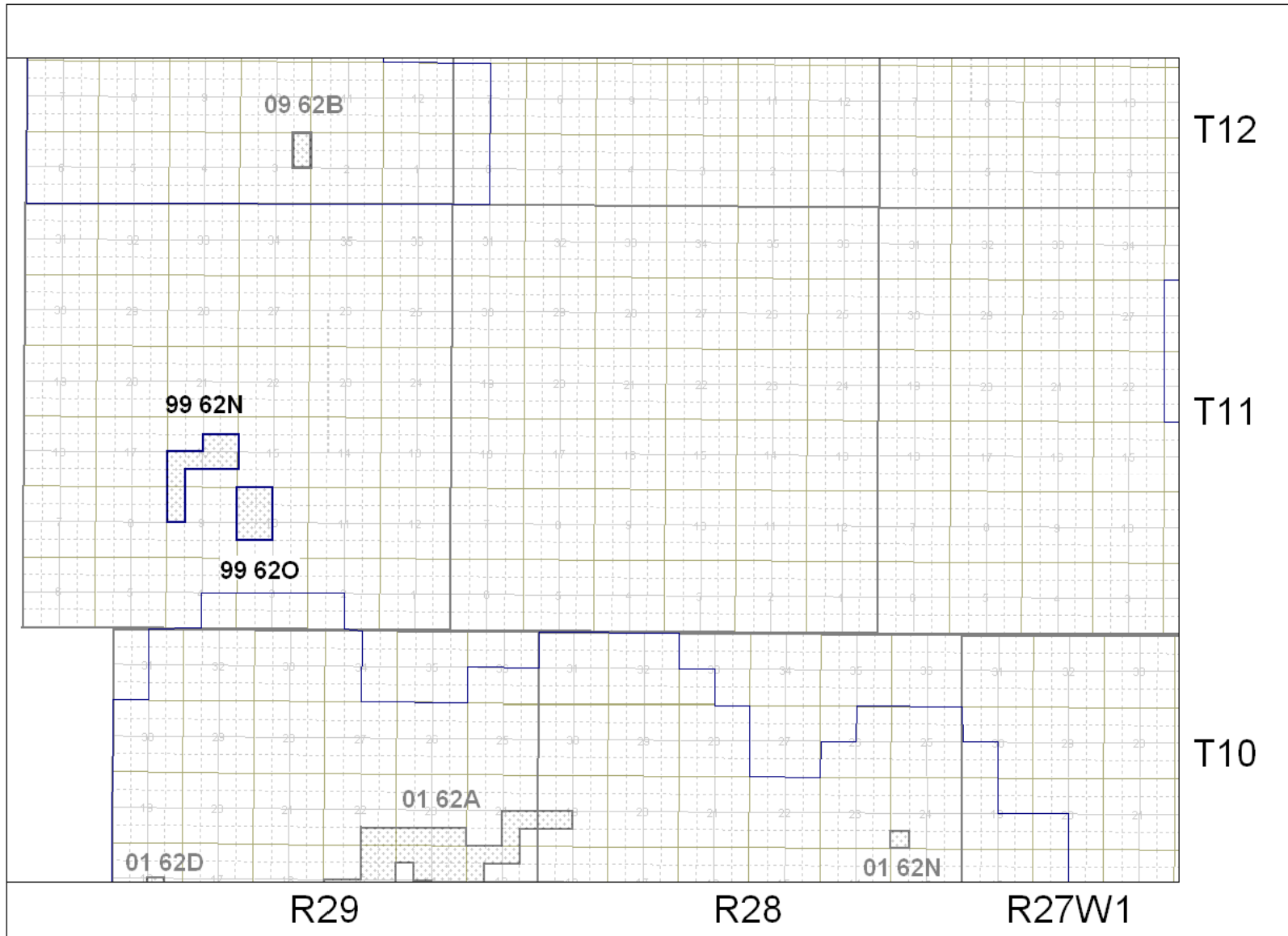
**OTHER AREAS LODGEPOLE A, B & K POOLS  
(99 59A, 99 59B & 99 59K)**



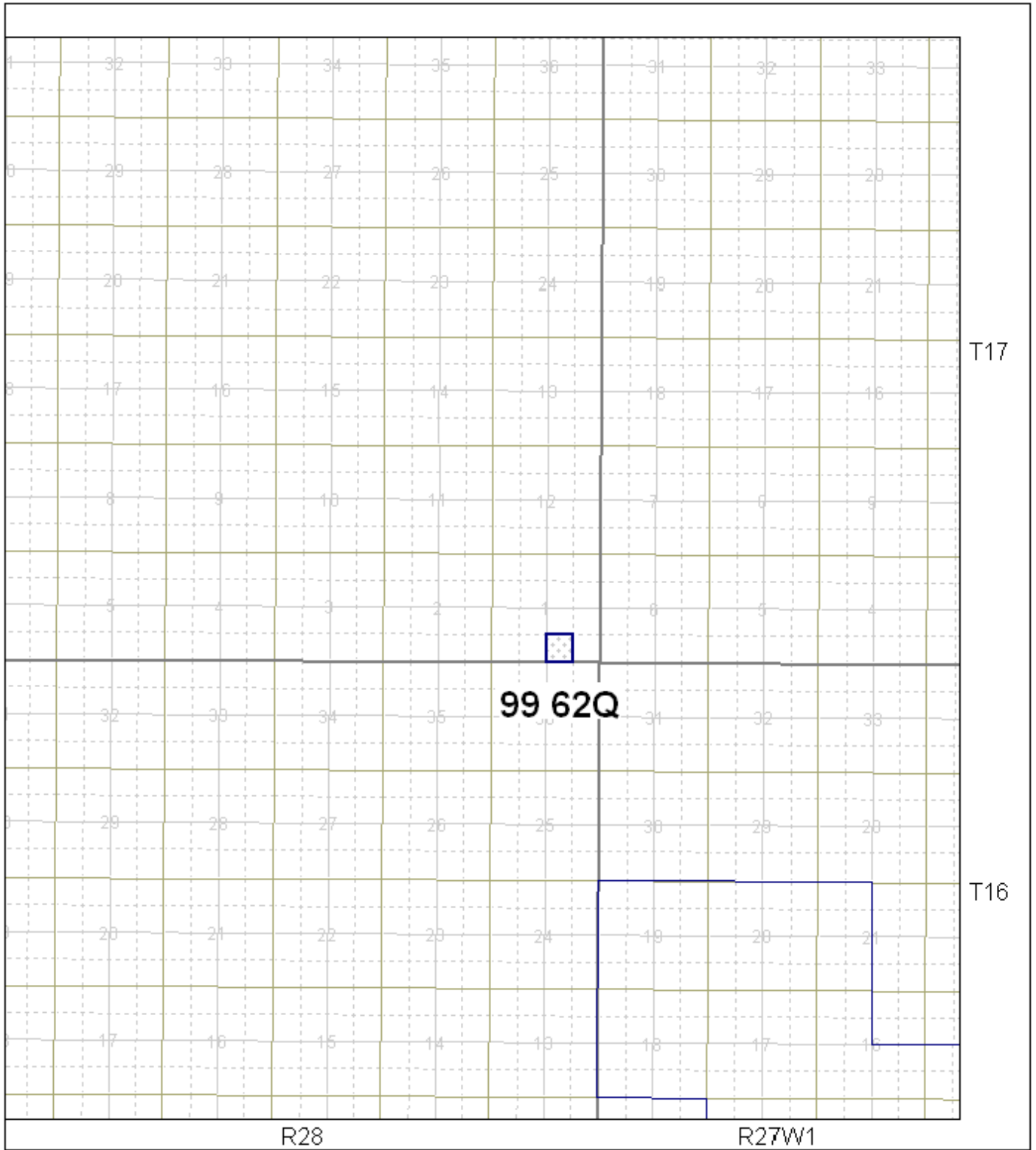
**OTHER AREAS LODGEPOLE I & J POOLS  
(99 59 I & 99 59J)**



**OTHER AREAS BAKKEN-THREE FORKS L & M POOLS  
(99 62 L & 99 62M)**



**OTHER AREAS LODGEPOLE N & O POOLS  
(99 62N & 99 62O)**

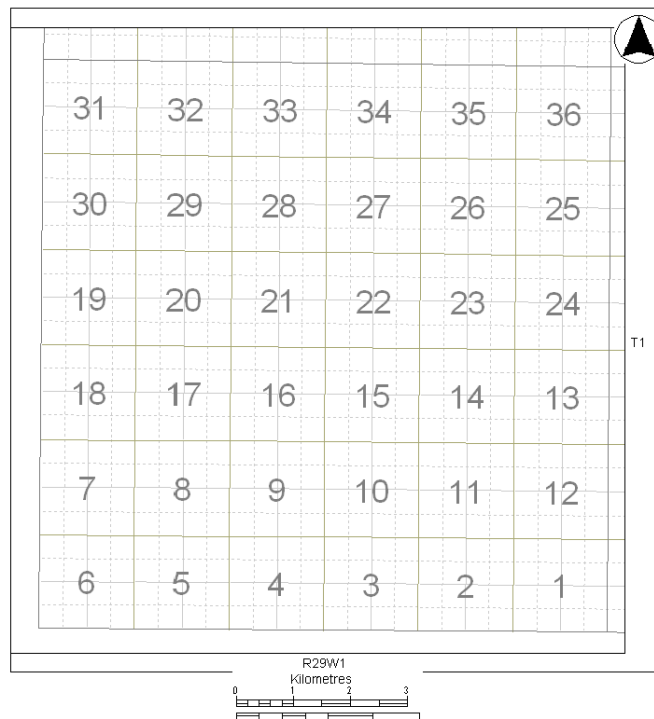


**OTHER AREAS BAKKEN-THREE FORKS Q POOL  
(99 62Q)**

## APPENDIX A Grid and scale

The grid used in all the field and pool plats within this report are in the Dominion Land Survey System (DLS) for western Canada and north is always to the top of the plat. The Prairie Provinces are divided north and south into 5 areas separated by meridians, the first or Principal meridian is in Manitoba and it is denoted by W1 or WPM in all Unique Well Identifiers (UWI). The area between meridians is divided into ranges (R) each 6 miles wide, these ranges are cross-divided by township lines which run east-west six miles apart, to form townships (T) six miles square. See Figure 1.

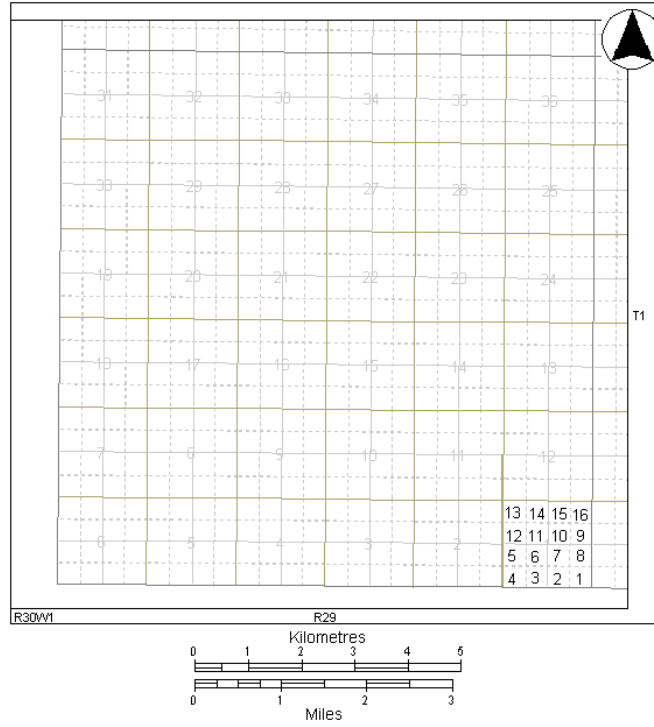
Each Township is divided into Sections (Sec) one mile square (640 acres per section) and there are 36 sections in a Township, 6 sections wide by 6 sections high. Each Section is numbered as shown in Figure 2:



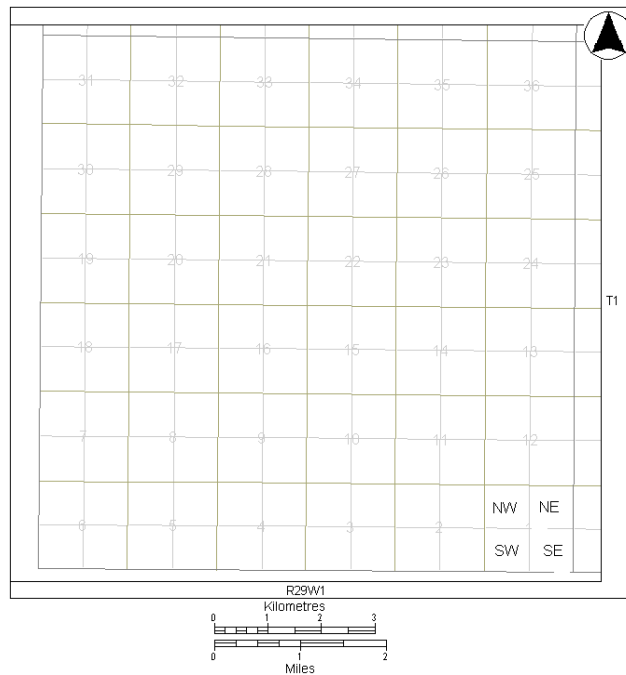
**Figure 2**  
Sections in a Township.

Each Section is divided into 16 legal subdivisions (Lsd), 4 Lsd's wide by 4 Lsd's high, each 402.36m square or 40 acres. Pool boundaries are adjusted by Lsd. Each Lsd is numbered as shown in section 1 of Figure 3. Each section can also be split into ¼ sections, this is important to note as field boundaries are adjusted by ¼ section. Each ¼ section consists of 4 Lsd's and a ¼ section is 804.72m square or 160 acres.

A map reference is given in the format of a legal survey system reference, Lsd-Sec-Township-Range W1, i.e. 02-09-010-29W1. This it is incorporated into the Unique Well Identifier (UWI) a code used to identify each oil well in Manitoba. A UWI is coded as: Survey system code Location Exception code/legal survey system/event sequence code i.e.100/16-09-010-09W1/00. The DLS system is always represented by a designated code of 01.



**Figure 3**  
Legal subdivisions in a section.



**Figure 4**  
Quarter Section illustration.

## APPENDIX B

### Manitoba Pool Codes

<b>CODE</b>	<b>FORMATION OR MEMBER</b>	<b>CODE</b>	<b>FORMATION OR MEMBER</b>
10	Favel Formation		
11	Ashville Formation, Newcastle Member	59	Lodgepole, undifferentiated
15	Swan River Formation	60	Bakken Formation
19	Melita Formation	62	Bakken – Three Forks Formations
29	Lower Amaranth, undifferentiated	65	Three Forks Formation
35	Lower Amaranth – Mission Canyon Formation, MC3b	71	Birdbear Formation
39	Mississippian Undifferentiated	72	Duperow Formation
40	Lower Amaranth – Lodgepole undifferentiated	73	Souris River Formation
41	Mission Canyon Formation, MC-3 Member, undifferentiated	74	Dawson Bay Formation
42	Mission Canyon Formation, MC-3b	75	Prairie Evaporite Formation
43	Mission Canyon Formation, MC-3a	76	Winnipegosis Formation (formerly 75)
44	Mission Canyon Formation, MC-1 Member	78	Devonian, undifferentiated (formerly 79)
49	Mission Canyon Formation, undifferentiated	79	Silurian, Interlake Group
51	Lodgepole Formation, dolomitic	80	Stonewall Formation
52	Lodgepole Formation, Whitewater Lake Member	81	Stony Mountain Formation
53	Lodgepole Formation, Virden Member	82	Red River Formation
54	Lodgepole Formation, Daly Member	85	Winnipeg Formation
55	Lodgepole Formation, Crinoidal Cruickshank facies	89	Ordovician, undifferentiated
56	Lodgepole Formation, Scallion Member(formerly 55)	90	Cambrian, Deadwood Formation

January 1, 2010