

# Manitoba

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Industry, Economic Development and Mines  
Petroleum

**LOWER PALEOZOIC DRILL STEM TESTS  
AND  
OIL & GAS SHOWS**

**THREE FORKS TO PRECAMBRIAN  
(December 31, 2004)**

**Lower Paleozoic Drill Stem Tests and Oil & Gas Shows  
Three Forks to Precambrian  
(December 31, 2004)**

**Sources of Data**

Data included in this table has been obtained from reports submitted by the oil companies to the Petroleum Branch; these include tour reports, abandonment reports, testing company reports, and core and sample descriptions. In addition, some reports of oil shows in core and samples have been taken from government descriptions.

Data was also obtained from oil shows reported in the paper entitled “Ordovician and Silurian Stratigraphy and Sedimentation in Southern Manitoba, Canada”, by John M. Andrichuk, published in the Bulletin of the American Association of Petroleum Geologists, Volume 43, Number 10, October 1959, pages 2333-2398.

It should be noted that this table is not “complete” in that it lists only those oil shows reported in drill stem tests and core and samples descriptions that have been filed with the government. Many oil shows and DSTs in the Bakken-Three Forks that occur within Bakken and Bakken-Three Forks pool boundaries have not been included in this listing.

Recoveries and intervals are reported in metric and imperial units, as indicated.

### Table of Formations

<u>Period</u>	<u>Formation or Member</u>
Mississippian	Lodgepole Formation Bakken Formation
Devonian	Three Forks (Lyleton) Formation Birdbear (Nisku) Formation Duperow Formation Souris River Formation First Red Beds Dawson Bay Formation Second Red Bed Member Prairie Evaporite Winnipegosis Formation Ashern Formation
Silurian	Interlake Group Stonewall Formation upper
Ordovician	lower t-marker Stony Mountain Formation Gunton Member Gunn Member Red River Formation Winnipeg Formation
Cambrian	Deadwood Formation
Precambrian	

### List of Abbreviations

BLK	black
bls	barrels
BS&W	basal sludge and water
D	dirty
F	flecked
FP	flowing pressure
G	gas, gassy, gassified
GC	gas-cut
GTS	gas to surface
H	heavily
M	mud, muddy, drilling mud
Mcf	thousand cubic feet
O	oil, oily
OC	oil-cut
Rec.	drill stem test recovery
S	salt, salty, saline
SI	shut-in time
SIP	shut-in pressure
SL	slightly
SULPH	sulphury, sulphurous
V	very
VO	valve open, flowing time during drill stem test
W	water, watery

**Table of Lower Paleozoic Drill Stem Tests and Oil & Gas Shows**

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
<b><u>East of Principal Meridian</u></b>									
12-8-1 E1	Winnipeg	622-712'			REC. 322' WM, 300' MW	60	317-343	30	355
<b><u>West of Principal Meridian</u></b>									
<b>TWP 01</b>									
1-28-1-2 W1	Red River	500-535'			SW to surface in 7 minutes	10	170-235		
	Red River		X		Andrichuk (personal communication) reported slight oil staining in cuttings from the Upper Red River.				
	Winnipeg	1050-1075'			REC. 1030' SW	30	300-410	10	425
	Winnipeg	1170-1206'			SW to surface in 21 minutes	25	215-510	10	540
6-21-1-29	Bakken-Three Forks	3223-3269'			REC. 65' M	45	0	30	1120
16-4-1-20	Birdbear	3554-3580'			REC. 150' MSW	60	0	30	1125
10-26-1-20	Bakken-Three Forks	3439-3500			REC. 10' M, 710' W				
14-29-1-20	Three Forks-Birdbear	3515-3560'			REC. 945' MSW	60	500	20	1175
16-14-1-21	Birdbear	3736-3746'			REC. 330' SW	60	80	5	1100
10-21-1-23	Birdbear	4042-4082'			REC. 1440' MSW	60	0-549	60	1491
10-23-1-25	Birdbear	3836-3861'			REC. 3160' SW	60	680-1591	30	1753
1-30-1-25	Birdbear	3835-3851'			REC. 35' M	30	0	20	1120
	Birdbear	3860-3896'			REC. 1980' SW	45	390-1125	60	1775
	Duperow	3966-4041'			REC. 45' MSW	40	100	20	1320
	Duperow	4145-4185'			REC. 270' MSW	60	25-75	60	1890
3-32-1-25	Birdbear	3907-3944'			REC. 1815' SW	45	450		
9-13-1-26	Birdbear	3947-3963'			REC. 2700'SW, 500' SL SULPH BLK SW	60	1525	15	1775
	Duperow	4052-4072'			REC. 60' MCSW	45	0	15	1500
	Duperow	4157-4177'			REC. 80' SWCM	45	0	15	1775
	Duperow	4290-4324'		X	REC. 1030' SW, SL. EFFERV. NON-INFLAMM. GAS	45	550	15	1800
	Souris River	4582-4602'			REC. 180' MSW	45	0	15	1750

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Winnipegosis	5056-5071'		X	REC. 120' M, 390' SW, 240' GAS (INFLAM.)& SW, 240' SMW	60	500	15	2325
16-13-1-26	Birdbear	3907-3937'			REC. 1600' SW	60	0-800	15	1700
11-9-1-27	Duperow		X		Oil staining in samples 4740-4750', 4790-4800'.				
5-20-1-27	Birdbear				Perforated 4177-4183', 4196-4202', "Well flowed upon setting of packer", swabbed only SW.				
	Duperow		X		Perforated 4400-4406': "developed a good showing of oil with some gas, being followed by SW".				
	Souris River		X		Perforated 4813-4819': "very definite show of oil with a small amount of gas, followed with large amount of SW".				
	Interlake		X		Showed oil in core 5602-5614'. Perforated 5595-5607' but swabbed only a small amount of SW.				
10-9-1-28	Winnipegosis		X		Oil staining on core.				
5-14-1-28	Bakken-Three Forks	4230-4245'			REC. 15' M	50	0		
	Birdbear		X		Perforated 4330-4349', acidized, swabbed; oil show & SW.				
	Birdbear	4399-4412'	X		REC. 440' SW & GCM, trace oil.	25			
	Duperow		X		Reported oil in pit, 4854-4884'.				
	Souris River		X		Reported oil in pit, 5020-5040'.				
<b>TWP 02</b>									
16-11-2-10	Souris River	1785-1825'			REC. 15' M	60	0		
	Interlake	2137-2195'			REC. 150' MSW	20	22-81	15	662
	Stony Mountain-Red River	2410-2450'			REC. 75' MSW	60	22-45	16	838
13-5-2-15	Winnipegosis	2925-2940'			REC. 265' MSW	60	20-130	30	1120
	Stony Mountain, Gunton	3345-3365'			REC. 280' MSW	60	25-160	30	1300
2-14-2-15	Birdbear	1836-1910'			REC. 90' SL. MSW, 30' M	90	39-78	60	606
8-32-2-25	Three Forks-Birdbear	1138-1151m			REC. 9m M	60	115-414	90	10841
9-6-2-26	Winnipegosis	1520-1535m			REC. 1234m MSW	120	16545-	180	15984

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
							16489		
	Interlake	1596-1602m			REC. 1385m SL. GSW	120	18578-18081	250	16988
2-30-2-26	Birdbear	3851-3870'			REC. 3580' SW (100,000 ppm NaCl)	60	610-1720	60	1810-1810
9-15-2-27	Birdbear	3961-3973'			REC. 195' SL. MSW (200,000 ppm 110°)	90	25-110	100	1848-1836
2-29-2-29	Bakken-Three Forks	4201-4225'			REC. 70' M	30	0	30	1510
	Birdbear	4360-4375'			REC. 630' M	60	310	30	1910
<b>TWP 03</b>									
4-4-3-15	Birdbear	1896-1926'			REC. 20' M	60	70-90	60	613-515
9-6-3-18	Birdbear	2540-2570'			REC. 1140' SL. MSW, 60' M	60	593	30	956
3-20-3-19	Birdbear	2648-2690'			REC. 980' MSW	30	575	15	1025
11-16-3-21	Birdbear	2963-2988'			REC. 1340' SW grading to M	127	750	60	1200
15-36-3-22	Birdbear	2906-2936'			REC. 660' SW	75	334	30	1169
	Duperow	3275-3310'			REC. 220' MSW	60	0	30	1291
	Dawson Bay	3767-3807'			REC. 3000' SW	60	1542	30	1649
	Winnipegosis	3920-3940'			REC. 3720' SW	80	1463		
15-20-3-25	Duperow	3709-3726'			REC. 20' M	60	2-Feb	70	1948-1937
	Souris River	4200-4240'			REC. 120' MSW, 820' SW	90	98-448	100	2144-2116
<b>TWP 04</b>									
3-9-4-11	Souris River	1758-1780'			REC. 90' SM	30			
	Winnipegosis	2020-2055'			REC. 180' MSW	60			
	Interlake-Stonewall	2218-2315'	X		REC. 1620' SW. Oil staining in samples @ 2230'.	60		15	
	Winnipeg	3009-3040'			REC. 2200' SW	40		15	
16-33-4-13	Winnipegosis	2224-2238'			REC. 150' MSW	60	0	30	866
	Interlake	2353-2360'			REC. 40' S & GM	45	0	30	877
	Interlake	2390-2410'			REC. 100' WM	60			
	Red River	2967-2979'			REC. 60' SM	60		30	
	Winnipeg	3248-3263'			REC. 30' SM	60		30	
	Winnipeg	3351-3370'			REC. 1380' SW	40	757	15	1820

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Souris River		X		SL oil stain in cuttings 1910-1960'.				
	Dawson Bay		X		SL dead oil stain in cuttings 2100-2110'.				
	Interlake		X		SL dead oil stain in cuttings 2310-2320'.				
	Red River		X		SL dead oil stain in cuttings 2900-2910', 2970-2980', 3000-3010'.				
16-25-4-17	Birdbear	1895-1930'			REC. 140' SL. MSW	60	70-70	30	590
13-36-4-19	Birdbear	2288-2320'			REC. 550' SW	45	300	15	855
	Duperow	2395-2415'			REC. 120' SL. MSW	60	75	15	880
	Dawson Bay	3103-3123'			REC. 480' SW	45	285	15	1280
	Winnipeg	4514-4540'			REC. 4360' SW	30	2050	15	2090
4-13-4-21	Birdbear	2730-2745'			REC. 1785' SL. MSW	60	825	15	1025
4-4-4-22	Birdbear	3040-3060'			REC. 700' SW	60	0-350	30	1210
1-25-4-23	Duperow	950-1070m	X		Rare bitumen staining in cuttings.				
	Souris River	1070-1050m	X		Occasional bitumen staining in cuttings.				
	Dawson Bay	1170-1180 m	X		Occasional live oil staining on cuttings.				
	Winnipegosis	1221.8-1228.0 m			REC. 330m SW, 30m M; occasional bitumen stain in cuttings.	5	6357	30	12111
5-3-4-25	Birdbear	3305-3307'			REC. 1000cc SW	19			1460
	Duperow	3512-3514'			REC. 2400cc SW	30			1630
	Dawson Bay-Winnipegosis	4399-4506'			REC. 4385' MCSW	60	1270-1945	30	1960
	Interlake	4743-4745'			REC. 20,000cc SW	11.5			2230
2-17-4-25	Red River		X		Oil staining on cuttings.				
8-20-4-25	Birdbear	3280-3335'			REC. 2975' SW	90			
3-22-4-25	Birdbear	3239-3312'			REC. 667' M, 1152' SL. MCSW	60	385-977	60	1609
10-22-4-26	Bakken-Three Forks	3260-3280'	X		REC. 5' GOFM	120	45-45	90	604
4-28-4-29	Birdbear	4015-4060'			REC. 1590' SW	67	800	20	1740
<b>TWP 05</b>									
2-35-5-8	Dawson Bay	1250-1275'			REC. 190' SW	60		15	
	Winnipegosis	1407-1417'			REC. 70' MSW	60		15	

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Interlake	1594-1605'			REC. 790' SW	60			
	Winnipeg	2342-2365'			REC. 1590' SW	60		15	
1-27-5-14	Winnipeg	3267-3292'			REC. 1000' MSW, 1340' SW	16	1130	30	1250
2-27-5-17	Birdbear	1812-1910'			REC. 5' M	30	40-40	30	610
3-30-5-21	Birdbear	2560-2606'			REC. 760' MSW	30	400	15	1010
4-8-5-22	Three Forks-Birdbear	2830-2880'			REC. 210' SM	60	195	45	1225
	Birdbear-Duperow	2880-2960'			REC. 425' SW	60	265	30	1130
5-13-5-22	Souris River	3367-3379'			REC. 190' SW	60	500		
	Dawson Bay	3585-3639'			REC. 3100' SW	60	1600		
	Winnipegosis	3773-3805'			REC. 3400' SULPH SW	60	1650		1660
	Winnipeg	5047-5061'			REC. 5000' SULPH SW	60			
	Winnipeg		X		Andrichuk (1959) reported oil staining in core from the Winnipeg Formation (5030-5061').				
15-13-5-23	Three Forks-Birdbear-Duperow	2793-2914'			REC. 1170' SW	30	640	15	1200
5-33-5-23	Birdbear	2772-2808'			REC. 2700' SW	30	800-1310	20	1310
1-19-5-24	Three Forks-Birdbear?	2734-2754'			REC. 20' SM (Formation uncertain due to faulting)	75		30	
	Birdbear?	2840-2862'			REC. 370' M & SW	60		55	
	Duperow?	3127-3182'			REC. 410' MSW	60			
	Souris River	3736-3756'			REC. 230' MSW	60	0	30	1670
7-27-5-24	Birdbear	2604-2626'			REC. 2485' SW	60	100	10	625
	Duperow	2962-2978'			REC. 1210' SW	60	400	15	1250
	Duperow	3143-3159'			REC. 510' SW	60	25	15	1150
	Winnipegosis	3658-3694'			REC. 1714' SW, 1080' BLK SULPH WATER	60	1250	15	1650
	Interlake	3966-4000'			REC. 1666' SW, 1900' BLK SULPH WATER	30	1775		
1-28-5-24	Hartney structure (Paleozoic faulted)	544-550m			REC. 342m SL. WM		440-488		5794
1-29-5-24	Souris River	3540-3576'			REC. 550' MSW	90	225-340	45	1490
6-29-5-24	Hartney structure (Paleozoic faulted)	575-585m			REC. 123m M	60		60	



Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
9-30-5-24	Highly disturbed central uplift of Hartney crater structure.	612-620m			REC. 10m WCM				
	Highly disturbed central uplift of Hartney crater structure.	687-691m			REC. 18m M, 250m MCSW				
	Highly disturbed central uplift of Hartney crater structure.	920-931m			REC. 42m WM				
	Highly disturbed central uplift of Hartney crater structure. (Paleozoic undifferentiated)	1013-1021m			REC. 101.5m SL. SWCM				
16-33-5-24	Winnipegosis	3680-3700'			REC. 1560' SW, 390' BLK SULPH SW	80			
	Interlake	3858-3876'			REC. 1530' BLK SULPH SW	30			
	Interlake		X		Andrichuk (1959) reported very slight oil staining in cuttings from the upper part of the Interlake.				
	Red River		X		Andrichuk (personal communication) reported slight oil staining in cuttings from the lower part of the Red River.				
6-34-5-24	Birdbear	2530-2562'			REC. 1530' SW (37,500 ppm)	90	207-776	120	1168-1169
	Duperow	2858-2871'			REC. 30' MSW (37,500 ppm)	90	22-38	120	1311-1291
	Winnipegosis	3590-3640'			REC. 1683' SW (19,300 ppm)	60	330-823	90	1645-1640
	Winnipeg-Precambrian	5000-5169'			REC. 4580' SW, 240' WM (138,000 ppm)	60	904-2401	90	2421-2419
9-14-5-25	Birdbear	3010-3034'			REC. 570' SW	60	275	30	1410
9-35-5-25	Souris River-Dawson Bay	3811-3851'			REC. 290' MSW	30	100-220	30	1840
	Winnipegosis	4044-4075'			REC. 1500' MSW	30	200-720	30	1880
	Interlake	4165-4240'			REC. 3657' MSW	30	1295-1340	30	1920
	Red River	4688-4760'			REC. 1710' MSW	30	660-1675	30	2240
	Winnipeg	5285-5380'			REC. 4200' MSW	30	1740-2200	30	2520
3-3-5-28	Lodgepole-Bakken-Three Forks	3601-3655'			REC. 25' M	45		15	
5-12-5-29	Three Forks-Birdbear	3800-3901'			REC. 2690' MSW	60	1360	75	1775
8-13-5-29	Souris River	1442-1452m			REC. 20m WM	60	180-361	90	14042
	Winnipegosis		X		Oil staining on core.				

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Red River	1798-1815m			REC. 66m MW	60	541-812	90	17200
A15-31-5-29	Birdbear	1174-1190 m			REC. 52 m M, 91 m MSW	60	1824	120	11461
	Winnipegosis	1563-1575 m			REC. 57 m DM, 200 m SW and M, 513 SWCM, 420 m SW	60	3327	120	13521
<b>TWP 06</b>									
9-22-6-6	Winnipegosis-Interlake?	648-698'			REC. 140' WCM	30	0	15	0
	Interlake	790-840'			REC. 550' MSW	60	250	15	360
	Red River	1070-1100'			REC. 840' SW	60	350	15	370
	Winnipeg	1533-1563'			REC. 1400' SW	60	590	15	610
13-16-6-12	Souris River	1605-1640'			REC. 125' FRESH MW	60	56-94	20	528
	Dawson Bay	1735-1765'			REC. 30' M, 60' MW	60	20-58	20	522
	Red River	2490-2505'			REC. 30' MW	60	20-38	20	982
	Red River	2427-2474'			REC. 250' FRESH MW	60	112	20	926
6-4-6-20	Birdbear	2340-2367'			REC. 1350' MSW				
2-13-6-20	Birdbear	2195-2220'			REC. 685' SW & M	30		15	
16-3-6-21	Birdbear	2404-2430'			REC. 720' SL. MSW	30			
1-31-6-22	Birdbear	2416-2452'			REC. 740' MSW	30	260-420	15	1110
12-28-6-23	Birdbear	2519-2541'			REC. 2557' SL. MSW	15	965-1160	15	1160
1-35-6-23	Birdbear	2465-2479'			REC. 2300' SL. MSW	30	575-1050	15	1110
14-16-6-24	Birdbear	2735-2762'			REC. 1020' SW	30	503	15	1268
12-24-6-26	Birdbear	2981-3007'			REC. 1200' SW	60		30	
4-25-6-26	Duperow	945-956m			REC. 30m M, 470m SW	30		60	
6-36-6-27	Birdbear	3143-3158'			REC. 195' SW	40	0	15	1300
1-22-6-28	Birdbear	1097.5-1101.0 m			REC. 19m SWCM, 615m SW	90	7193	180	10980
	Birdbear			X	Trace oil found in core analysis; pale yellow fluorescence in samples.				
	Duperow			X	Pale yellow fluorescence in cuttings.				
4-3-6-29	Birdbear	3812-3827'			REC. 260' MSW	60	0	30	1540

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
<b>TWP 07</b>									
16-22-7-10	Dawson Bay	1410-1496'			REC. 500' MSW	60	35-218	60	400
	Red River	2060-2100'			REC. 565' SW	60	35-260	30	450
13-5-7-15	Duperow	1598-1629'			REC. 90' M	60	70	30	
	Winnipeg	3400-3456'			REC. 60' SWCM	60	75	30	495
5-26-7-18	Birdbear	1583-1648'			REC. 1025' SW	60	105-400	60	640
7-25-7-24	Birdbear	737-742m			REC. 18m MW, 50m SW	90		20	
16-34-7-24	Birdbear	2420-2447'			REC. 234' SL. SW	60	80-145	60	1120
4-12-7-25	Souris River	1110-1116m	X		REC. 95m MSW, 580m MOFSW	90	1571-6375	180	11428
9-26-7-25	Duperow	3030-3045'			REC. 2775' SULPH SW	60	0-1250	15	1400
	Souris River	3475-3518'			REC. 2400' SULPH SW	60	1200	15	1550
	Winnipegosis-Ashern	3847-3909'			REC. 750' SW	60	0-600	15	1600
	Interlake	3996-4056'			REC. 3885' BLK. SW	60	1250-1800	15	1800
	Winnipegosis		X		Some oil staining along fractures in core from the Winnipegosis (3853-3880').				
2-16-7-27	Birdbear	3200-3210'			REC. 2700' SW	60			
2-21-7-28	Bakken-Three Forks	3072-3088'	X		REC. 7'M. Some dark bituminous partings in core 3078-3088'.				
	Birdbear		X		Slight oil staining in samples 3205-3215'.				
	Birdbear	3221-3237'			REC. 630' SW & M	30	325-400	15	1375
	Duperow	3384-3396'			REC. 10' M	30	0	15	500
	Duperow	3589-3605'			REC. 1500' SULPH SW	30	0-750	15	1525
	Duperow	3701-3717'			REC. 70' SW & M	30	0	15	1400
	Duperow	3771-3787'			REC. 570' SW	30	0-250	15	1500
	Souris River	3849-3865'			REC. 55' SW & M	30	0	15	1375
	Souris River	4022-4038'			REC. 335' SW	45	0	15	1500
	Souris River		X		Slight oil stain in cuttings 4045-4050'.				

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Winnipegosis	4728-4749'	X		REC. 540' MSW. Numerous bituminous partings near bottom of core 4729-4749'.	45	300	15	1775
2-28-7-29	Bakken-Three Forks	3292-3315'	X		REC. 60' M, SL. OIL SHOW	60		25	
	Bakken-Three Forks	3301-3315'			REC. 60' M (MISRUN)	60		30	
<b>TWP 08</b>									
4-6-8-3	Red River	630-655'			REC. 480' W, V. SL. SALINE	60	25-225	0	
7-32-8-5	Winnipegosis	490-500'			REC. 185' M. (misrun)	60	115	30	115
	Interlake	580-590'			REC. 155' M	30	155	15	155
	Interlake	716-726'			REC. 255' HMCSW	30	220	30	240
	Red River	914-924'			REC. 562' HMCSW	30	135	30	
	Red River	1040-1050'			REC. 150' SL SW	30	0	30	250
	Winnipeg	1413-1423'			REC. 1230' SW	30	425	30	425
	Winnipeg	1534-1560'			REC. 750' MSW	30	235	30	540
6-11-8-7	Interlake	936-983'			REC. 715' SL MW	40	315	40	325
	Stony Mountain	1114-1140'			REC. 30' M	40	20	30	30
	Red River	1214-1250'			REC. 929' MSW	21	445	30	450
	Red River	1310-1361'			REC. 238' MSW	60	150	30	450
	Red River	1415-1440'			REC. 30' M	40	30	30	500
	Red River-Winnipeg	1677-1702'			REC. 1442' SW	60	580	30	660
	Winnipeg	1828-1843'			REC. 30' M	60	0	30	615
8-36-8-14	Duperow	1108-1122'			REC. 205' MSW	60	70	30	
	Red River	2162-2226'			REC. 615' SW, SL GC	60	109-339	30	998
	Red River		X		Andrichuk (personal communication) reported slight oil stain in cuttings from the Upper Red River Unit.				
	Winnipeg	2710-2722'			REC. 15' M	40	0	20	0
	Winnipeg	2750-2765'			REC. 75' M	40	0	15	0
4-33-8-15	Duperow	1331-1426'			REC. 265' WM	60	170	15	475
7-35-8-15	Winnipeg	3110-3132'			REC. 204' M	60	225	60	1275
2-8-8-17	Jurassic-Birdbear	418-428m			REC. 10m M	60		90	
	Birdbear	418-431m			REC. 12m M	60		120	

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
10-17-8-17	Duperow	1628-1648'			REC. 105' MSW	60	0-50	20	535
	Stony Mountain-Red River	2960-2990'			REC. 185' MSW	30	50-100	30	1385
3-1-8-18	Birdbear	1505-1570'			REC. 30' M	60			
	Duperow	1698-1723'			REC. 60' SW & M	60	0	15	
	Souris River	2301-2307'			REC. 285' SW	60	0	15	930
	Dawson Bay	2390-2408'			REC. 2030' fluid	60	220-910	15	1000
	Prairie Evaporite-Winnipegosis	2564-2578'			REC. 1604' SW	60	225-750	15	1120
	Red River	3331-3345'			REC. 2690' SW	60	0-1250	15	1550
	Winnipeg	3778-3826'			REC. 3778' SW (flowed)	45	1600-1900		
	Duperow		X		Fine black bituminous partings in core from the Duperow (1848-1853').				
	Winnipegosis		X		Fine black bituminous partings in core from the Winnipegosis (2568-2575').				
	Interlake		X		Slight oil stain in cuttings from the Interlake (2880-2910).				
	Red River		X		Andrichuk (personal communication) reported slight oil stain in cuttings from the Upper Red River Unit.				
12-22-8-20	Birdbear	1846-1890'			REC. 1160' SW	45	120-530	20	620
	Duperow	1965-2020'			REC. 10' M	33		15	100
5-34-8-23	Birdbear	2205-2235'			REC. 180' MSW	60	110	15	870
4-1-8-24	Birdbear	720-731 m			REC. 28 m DM, 47 m MW	30	852	90	6595
11-28-8-24	Birdbear	2315-2345'			REC. 645' MSW	60	50-250	30	1000
3-33-8-24	Duperow	780-800 m	X		Trace dark brown bituminous stain and light green stain				
	Winnipegosis	1067-1075 m	X		Trace bituminous material				
	Red River	1265-1385 m	X		Dull fluorescence, faint to weak cut; oily scum on acid				
	Winnipeg	1446-1456 m	X		Dull and faint brown fluorescence and cut				
1-18-8-25	Dawson Bay-2nd Red	1148-1160m			REC. 85m MSW, 985m SW	90		135	
9-28-8-27	Duperow	3224-3245'			REC. 1400' SULPH SW	50	725	15	1400

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Duperow	3245-3275'			REC. 1230' SULPH MSW	60	600	17	1400
3-33-8-27	Three Forks-Birdbear	2821-2848'			REC. 55' SWM	60	0	15	950
	Birdbear	2856-2883'			REC. 1925' SW	60	350	15	900
3-4-8-28	Birdbear	3164-3197'			REC. 660' SL MCSW	90	83-334	90	1400
4-14-8-28	Birdbear	3020-3050'			REC. 910' SW	45	500		
	Duperow	3378-3400'			REC. 720' SULPH SW	30			
	Duperow	3459-3471'			REC. 240' SW	30			
	Duperow	3570-3592'			REC. 320' SW	45			
	Souris River	3850-3872'			REC. 3260' SW	45			
	Dawson Bay	3939-3954'			REC. 90' MSW	30			
	Winnipegosis	4524-4565'			REC. 30' M	30			
7-20-8-28	Bakken-Three Forks	899.5-906.0 m	X		REC. 10 OCM	60	362	60	8468
11-22-8-28	Bakken-Three Forks	872.5-878.2 m	X		Core has patchy yellow-white fluorescence, goot streaming cut, occational streaky bleeding oil.				
8-27-8-28	Bakken-Three Forks	2804-2827'			REC. 4' M	45	0	15	0
12-15-8-29	Bakken-Three Forks	3159-3170			REC. 40' M	30	0-20	20	200
5-24-8-29	Birdbear	3515-3250'			REC. 840' MSW	60	412-1111	30	1387
<b>TWP 09</b>									
5-26-9-5	Dawson Bay-Winnipegosis	338-368'			REC. 300' FRESH MW	13	135		
	Winnipeg	1264-1288'			REC. 600' SW	60	40-272	15	505
	Winnipeg	1366-1396'			REC. 1260' SW	60	75-595	15	605
8-20-9-6	Dawson Bay-Winnipegosis	560-620'			REC. 310' MSW	60	65-150	30	155
	Stony Mountain-Red River	1050-1100'			REC. 177' MSW	60	0-100	30	340
	Red River			X	Andrichuk (personal communication) reported slight oil staining in cuttings from the uppermost Red River.				
13-10-9-11	Souris River	1109-1155'			REC. 112' M & SW	32	0		
	Winnipegosis	1395-1416'			REC. 888' VSW	25	400		

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Winnipeg	2485-2525'			REC. 40' SL. SM	30	0		
10-2-9-16	Winnipeg	3249-3264'			REC. 2930' MSW & SW	30	732-1397	45	1624
13-11-9-16	Duperow	1360-1410'			REC. 90' MSW	45	95	15	460
	Duperow	1410-1455'			REC. 269' MSW	40	175	15	460
10-24-9-16	Winnipeg	3175-3215'			REC. 10' M	30	22-39	45	260
3-5-9-19	Dawson Bay	2476-2497'			REC. 297' M	45	0	15	840
	Dawson Bay	2509-2527'			REC. 1800' SW	60	950	15	1050
	Winnipegosis-Ashern	2795-2809'			REC. 384' SW	60	250	15	1150
	Interlake	3112-3126'			REC. 2879' SW	45	1350	15	1390
	Winnipeg	3928-3937'			REC. 594' MSW	60	300		
16-27-9-19	Souris River	2201-2212'			REC. 285' SW	60	30-150	30	900
	Dawson Bay	2296-2315'			REC. 894' SW	30	70-400	15	950
2-15-9-20	Birdbear	1670-1720'			REC. 1370' SL SW	60	285-585	60	650
16-22-9-20	Birdbear	489-494 m			REC. 10 m M	30	509	120	4586
	Souris River	710-725 m			REC. 20 m WCM, 60 m DSW	60	849	120	6846
	Winnipeg	1193-1222 m			REC. 1040 m SW	60	11868	120	12874
13-6-9-24	Birdbear	2397-2417'			REC. 200' SW	25	50-120	20	1020
1-13-9-24	Birdbear	2193-2240'			REC. 1350' SW	60	400-650		950
4-24-9-25	Birdbear	2431-2451'			REC. 350' MSW	60	40-180	30	1100
13-29-9-25	Birdbear	2424-2438'			REC. 1320' SW	60	0-630	15	1075
12-35-9-25	Birdbear	2408-2422'			REC. 320' MSW	30	55-200	30	1040
1-22-9-26	Birdbear	2508-2536'			REC. 660' SW	60	120-378	30	1065
5-18-9-27	Lodgepole-Bakken-Three Forks	2637-2672'			REC. 40' M	30	0	15	600
	Birdbear	2777-2802'			REC. 1720' MSW	30	0-800	25	1200
	Duperow	2979-3000'			REC. 90' M	30	0	15	1100
	Duperow	3029-3054'			REC. 225' MSW	30	0	15	1115?
	Duperow	3130-3174'			REC. 120' M, 1080' SW	30	0-600	15	1300
	Souris River	3628-3646'			REC. 30' M, 1800' SW	35	900	15	1550
14-13-9-28	Winnipegosis	1279-1281m			REC. 30m M (MISRUN)	90		90	
	Winnipegosis	1280-1300m			REC. 1050m MSW	60	7548-12174	90	16200

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Winnipegosis		X		Oil staining on core.				
13-26-9-28	Bakken-Three Forks	817-825m			REC. 6m SL oil stained M	60		120	
1-30-9-28	Three Forks-Birdbear	2965-3000'			REC. 925' M, SW	60	450	30	1225
1-31-9-29	Three Forks?	3011-3031'	X		REC. 12' M, V. SL OF	60	0	30	1000
<b>TWP 10</b>									
NE 15-10-2	Red River-Winnipeg	828-907'			REC. 328' SL MSW	60	385-400	30	0
11-9-10-16	Red River-Winnipeg	3047-3222'			REC. 80' M	75	0	30	0
	Winnipeg	3152-3222'			REC. 1350' M (misrun)	11	0		
2-4-10-17	Duperow	1426-1452'			REC. 220' SM	45	65	30	440
13-12-10-17	Duperow	1386-1415'			REC. 140' SW	60	0	15	400
16-10-10-18	Dawson Bay-Prairie Evaporite	1990-2170'			REC. 1700' SW	120	432-935	60	952
	Winnipegosis	2180-2300'			REC. 1900' MSW	120	382-1020	60	1028
	Interlake-Stonewall	2556-2576'			REC. 2150' SW	180	54-955		
	Stony Mountain	2520-2700'			REC. 2300' MSW	120	1092-1092	60	
	Stony Mountain-Red River	2715-2995'			REC. 2565' MSW	180	561-1257	30	1248-1257
	Red River	3112-3202'			REC. 2950' MSW	240	254-1457	60	1457-1457
	Red River-Winnipeg	3272-3447'			REC. 800' MSW	180	63-290	30	1375-1466
14-16-10-19	Duperow	1590-1620'			REC. 90' M	30			
13-4-10-20	Duperow	1847-1910'			REC. 125' SL SW	60	0	30	710
1-25-10-21	Birdbear	480-487 m			REC. 151 m SW, 170 m Fluid, 19 m MW	60	5446	120	4017
13-4-10-22	Duperow	2198-2363'			REC. 1090' MSW	67	169-627	62	1021
	Interlake	3180-3200'			REC. 270' MSW, 1830' SW	60	182-994	30	1468
8-1-10-23	Birdbear	1954-1977'			REC. 15' M	60			
10-15-10-23	Birdbear	1862-1902'			REC. 5' M	60	0	15	350
12-18-10-25	Birdbear	2394-2444'			REC. 1995' SW	60	1000	30	1100
2-8-10-26	Birdbear	2526-2536'			REC. 1370' SW	60	100-680	30	1080
2-11-10-26	Dawson Bay	3340-3500'			REC. 3400' MSW	45	1246-1556	45	1566
3-11-10-26	Duperow	2554-2580'			REC. 30' M	50	0	30	375
	Duperow	2750-2776'			REC. 1800' SW	60	900	30	1220



Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Souris River	3250-3282'			REC. 1380' SW	45	775	30	1510
	Dawson Bay	3338-3370'			REC. 3295' SW	45	1550	15	1550
1-12-10-26	Birdbear	2392-2405'			REC. 540' SW	60	250	15	960
12-14-10-26	Birdbear	2393-2428'			REC. 2225' SW	60	800-1025	30	1075
10-25-10-26	Souris River-Dawson Bay	3160-3375'			REC. 3160' MSW	35	1383-1646	30	1743-1728
2-26-10-26	Birdbear	2356-2435'			REC. 2260' CLEAR SW	90	725-1050	60	1070
	Souris River	3204-3250'			REC. 2520'SW	60	450-1305	60	1860
7-27-10-26	Birdbear	2395-2430'			REC. 1700' MSW, 10' M	45	835	15	1050
	Duperow	2630-2665'			REC. 350' MSW	50	200	15	1060
	Duperow	2765-2800'			REC. 580' VMSW	45	300	15	1150
	Souris River	3236-3270'			REC. 2800' SW	45	1375	15	1425
	Birdbear		X		Inclusions of black bituminous material in core from the Birdbear (2412-2422').				
	Duperow		X		Very small inclusions of black bituminous material in core from the Duperow (2650-2653').				
6-28-10-26	Birdbear	2487-2499'			REC. 1355' SW	65	675	15	1075
10-7-10-27	Souris River	3540-3556'			REC. G @ 6.95 MMSCFD, INERT	60	1028-1100	120	1511-1593
4-12-10-27	Birdbear	2580-2615'			REC. 60' M, 690' MSW	45	0-406	15	1088
7-18-10-27	Duperow	3050-3090'			REC. 120' M, 360' MCSW (64,300 ppm Cl)	60	77-235	120	1387-1349
	Duperow		X		Oil staining on core.				
	Souris River	3515-3540'			REC. inert G @ 6.73 MMSCFD, 10' W (above tool), (55,400 ppm Cl)	90	1069-1129	180	1546-1532
	Souris River (1st Red)	3545-3625'			REC. 10' M, 2620' W (250,000 ppm Cl)	60	599-617	120	1534-1538
15-18-10-27	Duperow	3005-3018'		X	Gas to surface in 2 minutes at rates of 4870 to 3630 mcf/day, non-inflammable, sulphur smelling, containing fine mist of drilling mud cut with black sulphur smelling mud; no salt taste and no apparent free water. Analysis by mass spectrometer reported: Nitrogen 94.3%, Hydrogen 0.1%, Methane 5.3%, Ethane 0.1%, Propane 0.1%, Helium 0.2% (possible Helium contamination in	73		17	

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
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apparatus.).

	Duperow		X		Drill cuttings thoroughly oil stained (3015-3050').				
	Souris River	3499-3511'		X	Gas to surface in 1.5 minutes at a rate of 10,600 mcf/day after 10 minutes, non-inflammable, very slight sulphur smell in spray, slight showing of dark mud near end of test. Analysis by mass spectrometer reported: Nitrogen 96.6%, Oxygen 0.6%, Hydrogen 0.1%, Methane 2.4%, Ethane 0.1%, Propane 0.1%, Helium 0.1% (possible Helium contamination in apparatus).	15		28	
	Winnipeg	5334-5368'		X	REC. 4800' SL. GSW, pronounced skunky odor.	60	2100?	15	2400?
16-20-10-27	Duperow	3035-3050'			REC. 1400' MSW	45	750-800	15	1250
	Duperow	3171-3191'			REC. 2580' SULPH SW	45	300-1275	15	1325
1-24-10-27	Birdbear	2565-2625'			REC. 1500' SW	60		15	
15-31-10-27	Birdbear	2745-2765'			REC. 50' SW	60	0	15	900
12-4-10-28	Birdbear	2884-2912'			REC. 188' MSW	60	0	45	1200
	Duperow	3245-3281'			REC. 1560' SW	60	100-900	30	1325
	Souris River	3556-3608'			REC. 90' M	60	0	30	1200
	Souris River	3724-3760'			REC. 2450' SW	60	400-1225	30	1550
14-4-10-28	Bakken-Three Forks	2695-2727'	X		REC. 15' SL O & GCM, 30' SL GCM.	60	0	15	900
10A-12-10-28	Souris River	3512-3532'			REC. inert gas at 6.31 MMSCFD	90	913-905	180	1542-1529
8-14-10-28	Lodgepole-Bakken-Three Forks	2587-2625'	X		REC. 30' OFM	60	0	30	0
	Birdbear	2693-2715'			REC. 90' M	60	0	30	800
	Birdbear	2718-2744'			REC. 2200' SW	60	1050	30	1135
	Duperow	3113-3125'			REC. 270' SW	60	0	30	1250

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Souris River	3595-3625'			REC. 2520' SW	60	1400	30	1550
13-21-10-28	Devonian-Dawson Bay	1148-1153m			REC. 18m M	60		120	
8-29-10-28	Bakken-Three Forks	2647-2668'	X		REC. 100' SL GOCM. Considerable oil stained dolomite in samples (2560'-2660').	60	0	15	900
	Birdbear	2779-2795'			REC. 1530' SL MCSW	60	750	15	
8-11-10-29	Bakken-Three Forks	2807-2860'			REC. 900' W. CUSHION, 30' M	60	470	15	1100
4-16-10-29	Birdbear	3051-3090'			REC. 1012' SW	90	500		1150
10-20-10-29	Three Forks	884-894 m	X		REC. 10 m OCM, 17 m M	60	518	120	6062
1-33-10-29	Three Forks	852-862 m	X		REC. 37 m OCM	60	504	120	7374
7-33-10-29	Three Forks	899-904 m			REC. 409 m SW	30	4187	90	8259
<b>TWP 11</b>									
2-16-11-10	Winnipeg-Precambrian?	2069-2094'			REC. 542' SW	40	85-255	30	931
7-26-11-17	Souris River	1740-1755'			REC. 1340' SW	45	640	30	690
	Interlake	2240-2265'			REC. 1210' MSW	45	650	45	950
4-27-11-22	Duperow	2210-2225'			REC. 354' SW	60	25-155	15	810
	Souris River	2484-2499'			REC. 690' SW	60	50-340	15	975
	Dawson Bay	2593-2604'			REC. 1870' SW	45	270-960	15	1110
	Red River	3448-3460'			REC. 780' SW	60	0-350	15	1440
2-20-11-24	Winnipegosis	3263-3293'			REC. 1620' SW	60	236-871	45	1395
16-7-11-25	Birdbear	2215-2285'			REC. 15' SWCM, 2050' SP SL MSW	92	100-238	60	1057
3-20-11-25	Birdbear	1963-1988'			REC. 300' MSW, 1688' CSW	60	594-972	60	972
15-23-11-25	Birdbear	2156-2205'			REC. 1860' MSW	45	105-885	30	930
5-11-11-26	Birdbear	2309-2334'			REC. 720' SL. MSW	60	375	35	1003
6-25-11-26	Birdbear	2235-2255'			REC. 210' SW	120	0	90	800
8-28-11-26	Bakken-Three Forks	2228-2253'			REC. 474' MSW	60	265	20	980
	Duperow	2563-2643'			REC. 1010' MSW	60	550	15	1050
	Duperow	2714-2757'			REC. 956' MSW	60	470	20	1100
3-12-11-27	Interlake	1200-1299 m			REC. 1065m SW	30	10528	61	12129
15-16-11-27	Birdbear	2509-2542'			REC. 1200' SW	60	0-575	15	975
	Duperow	2923-2937'			REC. 2425' SULPH SW	60	1-1120		

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
3-24-11-27	Birdbear	2492-2529'			REC. 480' MSW	30	0-290	30	1090
15-28-11-28	Birdbear	851-858 m			REC. 213 m - 36 m WCM, 177 m SW	60	3591	60	8139
16-3-11-29	Bakken-Three Forks	2835-2865'			REC. 70' M	45		15	
7-8-11-29	Birdbear	2918-2942'			REC. 1614' SW	30	625	15	1000
	Duperow	3315-3330'			REC. 340' SULPH SW	30	0	15	975
	Duperow	3378-3406'			REC. 500' SULPH SW	30	245	15	1000
	Souris River	3792-3807'			REC. 3042' SW	30	990-1450	15	1450
	Dawson Bay	3884-3904'			REC. 65' M	30	0		
	Winnipegosis	4507-4537'			REC. 210' MSW	30	0	15	1700
4-36-11-29	Birdbear	2830-2922'	X		REC. 120' DIESEL FUEL CUSHION, 1820' SL GSW	45	460-830	20	1120
<b>TWP 12</b>									
NE 8-12-19	Duperow	1730-1760'			REC. 420' brackish MW	60		15	
3-17-12-24	Three Forks-Birdbear	2000-2035'			REC. 5' M	45	0		500
	Duperow	2280-2301'			REC. 210' MSW	45	0-50	15	800
	Duperow	2341-2370'			REC. 150' MSW	45	0-40	15	800
	Duperow	2525-2565'			REC. 450' MSW	45	0-180	15	900
	Duperow	2620-2660'			REC. 270' MSW	30		15	900
	Souris River	2905-2945'			REC. 1350' MSW	30	0-650	15	1100
	Dawson Bay	3010-3035'			REC. 1680' SW	20	300-800	15	1175
	Interlake	3395-3440'			REC. 2520' SW	30	400-1220	15	1400
	Stonewall	3675-3700'			REC. 1230' SW	20	0-600	15	1450
	Red River	3880-3910'			REC. 360' SW	45	0	15	1400
	Red River	3960-4005'			REC. 210' MSW	45	0	15	1400
	Winnipeg	4470-4511'			REC. 3360' SW	20	1280-1780	15	1900
			X		Andrichuk (personal communication) reported possible slight oil staining in cuttings from the Upper Stony Mountain.				
1-10-12-26	Birdbear	2266-2278'			REC. 1155' SW	30	0-545	30	1000
15-11-12-26	Birdbear	680-693m			REC. 95m MSW, 484M SW	60	4240-6397	90	6458
	Winnipeg	1399-1406m			REC. 1156m MSW				

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Winnipeg	1421-1446m			REC. 558m SW	30	3859-6891	60	14230
	Winnipeg		X		Oil staining in core.				
8-15-12-26	Birdbear	663-673 m	X		Oil staining in cuttings.				
1-19-12-26	Birdbear	2277-2312'			REC. 150' MSW	60	80	15	850
	Duperow	2400-2445'			REC. 30' M	60	0	15	0
	Duperow	2540-2586'			REC. 55' M	60	0	15	666
	Duperow	2580-2640'			REC. 40' M	60	0	15	649
	Duperow	2713-2753'			REC. 90' M	60	0	15	835
	Souris River	3130-3160'			REC. 195' MSW	60	0	15	741
4-32-12-26	Birdbear	2324-2345'		X	REC. 1600' GMSW, GTS in 4 min., 5" flare, 700 cfm	150		60	
	Birdbear	2325-2340'			REC. 1180' SW	98	507		
1-3-12-27	Bakken-Three Forks	2275-2300'			REC. 97' MSW	30	30-70	30	935
4-12-12-27	Birdbear	2300-2330'			REC. 900' SW	90	376	30	916
9-22-12-27	Bakken-Three Forks	2111-2135'			REC. 31' M	40	0	15	750
	Birdbear	2232-2257'			REC. 2000' SULPH SW	60	950?	15	1250
13-29-12-27	Birdbear	2286-2330'			REC. 2144' SW	60	39-960	30	980
13-21-12-28	Bakken-Three Forks	2352-2382'			REC. 660' MSW	75	370	30	1020
13-4-12-29	Bakken-Three Forks	2699-2720'			REC. 30' M	60	0	45	975
	Birdbear	2832-2870'			REC. 388' MSW	60	125	30	1100
6-18-12-29	Birdbear	871-879m			REC. 38m WM	90	551-998	120	7900
5-21-12-29	Birdbear	2765-2790'			REC. 420' MSW	60	200?	30	950
<b>TWP 13</b>									
3-19-13-15	Souris River	1380-1392'			REC. 840' SW	30	380	30	490
	Dawson Bay	1480-1492'			REC. 730' SW	30	270	30	425
	Winnipegosis	1675-1695'			REC. 1110' SW	30	540	30	645
	Red River	2276-2300'			REC. 20' M	45	0	30	650
	Winnipeg	2844-2854'			REC. 20' M	30	0	30	0
	Red River		X		Andrichuk (personal communication) reported slight oil staining in samples from the uppermost Red River.				

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
4-27-13-23	Birdbear	2065-2090'			REC. 90' MSW	60	0	15	600
15-20-13-25	Duperow	2217-2260'			REC. 210' MSW	45	105	20	875
12-28-13-26	Three Forks-Birdbear	1910-1080'			REC. 10' M	40	0	15	0
4-20-13-27	Birdbear	2128-2158'			REC. 15' M	60			
6-14-13-28	Birdbear	2269-2315'			REC. 530' SW	60	80-270	30	950
11-2-13-29	Birdbear	2522-2555'			REC. 910' SW	60	460	30	930
<b>TWP 14</b>									
7-11-14-5	Red River	800-830'			REC. 765' SL. SW	30			
16-26-14-18	Souris River	2005-2028'			REC. 10' M	90		30	
	Souris River	2055-2075'			REC. 1130' MSW	45	480	20	545
	Souris River-Dawson Bay	2124-2154'			REC. 1050' SW	45	490	20	560
	Winnipeg	3430-3500'			REC. 15' M	60	190	20	200
2-7-14-20	Duperow	1902-1962'			REC. 45' SM	45	75	45	500
	Interlake	3155-3195'			REC. 90' SM, 1110' SW	45	840	60	1140
2-28-14-24	Duperow	2154-2172'			REC. 15' M, 175' WM	60	43-101	60	783
	Souris River	2745-2785'			REC. 137' M, 427' MSW, 463' CSW	60	101-493	90	1060
	Winnipegosis	3054-3084'			REC. 108' MSW, 1100' SW & M	60	130-638	60	1148
12-10-14-25	Duperow	2344-2360'			REC. 270' SW	90	118	30	775
	Winnipegosis	3151-3163'			REC. 564' SW	60	250	30	1205
1-29-14-26	Birdbear	1976-2000'			REC. 180' MCSW, 1420' SW	20	746-763	30	763
15-10-14-27	Birdbear	1724-1744'			REC. 640' GSW	60			
6-31-14-27	Bakken-Three Forks	1780-1810'			REC. 174' M, 544' SW (46,400 ppm)	90	99-363	120	704-707
9-25-14-28	Lodgepole-Bakken-Three Forks	1835-1875'			REC. 1330' SW	60	255-630	60	730
14-5-14-29	Birdbear	2386-2398'			REC. 150' SW	60	0	15	825
9-9-14-29	Bakken-Three Forks	2185-2220'			REC. 15' M (MISRUN)	60	38-45	120	
5-11-14-29	Birdbear-Duperow	2364-2436'			REC. 120 SW	30	50-110	60	940
9-11-14-29	Birdbear	2265-2290'			REC. 330' SW	30		15	
3-13-14-29	Bakken-Three Forks	2095-2130'			REC. 25' M	60	37-41	120	804-786

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
<b>TWP 15</b>									
4-6-15-2	Red River	450-500'			REC. 390' MSW	30	133-182		
	Red River	589-635'			REC. 60' M, 240' WM (FRESH WATER)	60	53-160	15	240
	Red River	755-800'			REC. 120' FRESH MW	60	43-71	14	270
10-8-15-27	Winnipegosis	3256-3285'			REC. 570' SW	45	398	15	1368
3-21-15-27	Lodgepole-Bakken-Three Forks	1730-1771'			REC. 330' M, 1000' W	60	193-562	90	659-664
9-21-15-27	Three Forks-Birdbear	1779-1798'	X		REC. 600' SULPH OCW	90	250	15	600
	Birdbear		X		Light to medium oil staining in cuttings.				
	Duperow	2372-2405'			REC. 185' GSW	45	0	15	800
	Duperow		X		Dark brown bituminous patches in cuttings.				
	Winnipegosis	3271-3301'			REC. 760' SW	20	650		
			X		Oil staining in samples from the Birdbear (1785-1803').				
12-22-15-27	Lodgepole-Bakken-Three Forks	1710-1750'			REC. 70' SL OCM	60	49-76	120	663-660
10-28-15-27	Bakken-Three Forks	1687-1705'			REC. 5' M, 20' SW	120	14-26	30	641
15-29-15-28	Birdbear	1935-1995'			REC. 110' M	60	0	15	600
5-8-15-29	Birdbear	715-727m			REC. 27m M	60		90	
2-11-15-29	Birdbear	2023-2060'			REC. 65' M	30	0		
13-12-15-29	Lodgepole-Bakken-Three Forks	1925-1960'			REC. 460' MSW (7700 ppm Cl)	60	55-122	120	887-758
<b>TWP 16</b>									
8-34-16-21	Duperow	1871-1890'			REC. 10' M	45	0	15	420
	Duperow	1890-1949'			REC. 315' MSW	30	175-200	15	445
	Dawson Bay	2500-2535'			REC. 1485' SW	60	365-685	15	700
	Winnipegosis	2698-2714'			REC. 1120' SW	60	395	15	750
	Red River	3530-3590'			REC. 475' SW	60	0-300	15	
	Winnipeg	3807-3852'	X		REC. 2650' SW. Andrichuk (1959) reported oil staining in core from the Winnipeg (3802-3852').	62	550-1275	15	1280
4-17-16-24	Birdbear	1763-1808'			REC. 1174' MSW	60	507-536	60	551

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
11-21-16-24	Birdbear	1730-1790'			REC. 360' MSW, 860' CSW, 10' M	60	547-547	60	547
	Duperow	1805-1880'			REC. 15' M	60	70-72	60	468
2-1-16-25	Jurassic-Birdbear	1806-1854'			REC. 1250' MSW	60	328-546	90	546
3-3-16-27	Bakken-Three Forks	1725-1750'	X		REC. 35' SL OCGM	90	0	60	590
	Birdbear	1825-1853'			REC. 1410' SW	15	500-655	15	680
9-8-16-27	Birdbear	1803-1844'			REC. 110' WCM, 480' MSW, 880' SW	60	383-673	30	673
14-35-16-27	Birdbear	1909-1942'			REC. 1404' SW	30	535-680	20	680
	Duperow	2122-2156'			NO RECOVERY	16	0	18	60
	Duperow	2214-2235'			REC. 105' MSW	75	0	20	645
16-18-16-28	Dawson Bay	2856-3026'			REC. 50' M, 120' W	60	28-69	60	1167
14-25-16-28	Birdbear	1794-1816'			REC. 1580' SW	30	650	15	650
	Duperow	2247-2269'			REC. 180' MCSW	30	50	45	800
	Souris River	2722-2734'			REC. 316' MCSW	47	175	45	1050
	Dawson Bay	2821-2861'			REC. 690' MCSW	45	350	30	1015
13-2-16-29	Dawson Bay	2975-3125'			REC. 15' M	60	15-25	60	345
1-21-16-29	Lodgepole-Bakken-Three Forks	528-541m			REC. 37m SL. GSW	60	457-743	90	4565
4-22-16-29	Dawson Bay	890-940 m			REC. 898m SW	30	9130	30	9130
12-34-16-29	Birdbear	1850-1860'			REC. 120' SW	60	0	15	0
	Prairie Evaporite	3396-3406'			REC. 7' M	60	0	30	0
<b>TWP 17</b>									
16-11-17-15	Souris River	890-915'			REC. 313' SW	45	160	30	255
	Red River	2055-2080'			REC. 1225' SW	45	525	30	750
6-23-17-23	Duperow	1930-1954'			REC. 98' MCSW	60	0-25	60	510
	Souris River	2396-2420'			REC. 496' MSW	45	50-180	45	685
	Dawson Bay	2512-2524'			REC. 1600' MSW	30	620-800	30	800
	Winnipegosis	2704-2726'			REC. 1156' MSW	30	650	30	830
	Red River	3362-3388'			REC. 30' M	30	0	32	1040
1-27-17-26	Duperow	2297-2323'			REC. 90' M, 810' SW	60	0-350	0	
	Duperow	2445-2468'			REC. 60' M, 1110' SW, murky	60	500	0	



Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Souris River	2746-2775'			REC. 100' M, 390' GSW	60	0-250	0	
	Dawson Bay	2864-2879'			REC. 90' SL. GM, 1710' SL GSW	60	0-800	0	
	Winnipegosis	3096-3109'			REC. 45' M, 600' SL GSW	60	0-350	0	
	Red River	3734-3760'			REC. 40' M, 980' GSW	60	0-500	0	
	Red River		X		Andrichuk (personal communication) reported minor oil staining in cuttings from the lower part of the Red River.				
	Winnipeg	4128-4154'			REC. 45' M, 3150' GSW	50	875-1625	0	
16-17-17-27	Birdbear	1915-1938'			REC. 1453' SW	30	525-625	15	685
11-30-17-28	Lodgepole-Bakken-Three Forks	1581-1624'			REC. 120' MSW	90	17-67	30	572-509
6-29-17-29	Three Forks-Birdbear	1768-1782'			REC. 1327' SW	30	325-580	20	600
<b>TWP 18</b>									
2-7-18-25	Duperow	1930-1997'			REC. 650' MSW	45	122-377	60	610
	Duperow	2003-2020'			REC. 75' MSW	30	20-41	120	640
4-30-18-26	Birdbear	1790-1810'			REC. 1160' SW	50	0		
	Duperow	2030-2100'			REC. 870' MSW	60	0		
	Souris River	2710-2722'			REC. 180' MSW	60	0		
	Dawson Bay	2807-2823'			REC. 1860' SW	60	775		
	Dawson Bay		X		Dead heavy oil stain in samples from the Dawson Bay (2790').				
	Winnipegosis		X		Slight dead oil stain in samples from the Winnipegosis (3060').				
2-6-18-29	Bakken-Three Forks		X		Fair to good patchy oil staining in fine-grained sandstone & vuggy dolomite core from the Bakken & Three Forks (1656-1677').				
16-18-18-29	Three Forks-Birdbear	1732-1756'			REC. 1140' SW, 10' M	34	25-480		
	Duperow	2038-2058'			REC. 30' M	51	0		
	Duperow	2160-2220'			REC. 60' M	42	0		
	Duperow	2221-2236'			REC. 100' GSW, 20' GM	60	0		
	Souris River	2499-2517'			REC. 750' SW, 60' M	60	0-400		

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Souris River	2525-2650'			REC. 620' SW, 20' M	60	0-375		
	Souris River	2631-2680'			REC. 820' SW, 30' M	60	0-375		
	Winnipegosis	3134-3157'			REC. 55' GSWCM	33	0		
	Interlake	3473-3503'			REC. 180' M (MISRUN)	35	0		
	Interlake	3469-3505'			REC. 180' GM, 3300' SW	50	900-1400		
	Winnipeg	4284-4310'			REC. 810' GSW, 150' M	50	0-500		
<b>TWP 19</b>									
10-4-19-26	Souris River-Dawson Bay	2700-2860'			REC. 1140' M, 1320' W	90	837-930	30	930
	Souris River-Dawson Bay	2700-2860'			REC. 480' M, 660' MCSW, 1320' SW	90	819-905	30	905
	Winnipegosis	3230-3295'			REC. 150' M	120	20-65	30	1079
16-32-19-27	Three Forks-Birdbear	1735-1754'			REC. 1000' SW, 20' M	60	350-550		
	Birdbear-Duperow	1840-1926'			REC. 1440' MSW	30	400-575		
	Duperow	1932-2070'			REC. 960' MSW	60	0-625		
	Souris River	2640-2661'			REC. 10' M	60	0		
	Winnipegosis	3085-3152'			REC. 5' M	30	0		
	Interlake	3234-3266'			REC. 5' M	45			
	Interlake	3232-3266'			REC. 35' M	30	1250		
	Interlake	3230-3295'			REC. 2070' SW, 5' W	60	300-1200		1200
	Red River	3628-3658'			REC. 775' SW, 10' M	60	0		
	Winnipeg	4057-4073'			REC. 3200' SW, 10' M	45	1200-1650		
13-6-19-29	Birdbear	1732-1746'			REC. 1340' SW	30	320-590	20	600
<b>TWP 20</b>									
14-17-20-5	Red River	514-556'			REC. 474' FRESH W	60	70-210	30	210
	Winnipeg-Precambrian	1003-1072'			REC. 900' M, SL. SW	75	375-400	30	400
16-15-20-6	Winnipeg-Precambrian	1101.6-1123'			REC. 20' M	60	30	30	310

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
8-23-20-6	Silurian &/or Ordovician?			X	Sample analysed (1930; Department of the Interior, Calgary): Hydrocarbons 0.0%, Carbon Dioxide 0.0%, Helium 0.08%, Nitrogen (by difference) 99.92%. Analysis of a second sample indicated Nitrogen 100%. A third sample (1939; Mines Branch, Ottawa): Carbon Dioxide 0.5%, Oxygen 0.5%, trace hydrocarbons, no Helium, Nitrogen (by difference) 99.0%.				
<b>TWP 21</b>									
16-19-21-11	Red River-Winnipeg	1384-1450'			REC. 1100' SW	30	340-596	30	630
14-22-21-15	Red River-Winnipeg-Precambrian	1680-1880'			REC. 1475' SW	30	704-743	30	760
9-9-21-29	Bakken-Three Forks	1166-1210'			REC. 70' MSW	60	37-62	30	429-402
	Birdbear	1295-1302'			REC. 930' MSW	60	94-455	15	472-455
<b>TWP 22</b>									
1-21-22-28	Birdbear	1630-1658'			REC. 520' MSW	13	370-375	5	425
<b>TWP 23</b>									
13-34-23-12	Red River-Winnipeg-Precambrian	1272-1478'			REC. 1150' MSW	90	538-552	60	552
2-20-23-27	Birdbear	1541-1558'			REC. 510' MSW	40	250-320	15	325
14-16-23-29	Birdbear	1559-1573'			REC. 675' MSW	35	50-130	15	455
<b>TWP 24</b>									
1-24-24-3	Red River-Winnipeg	614-639'			REC. 515' FRESH W	15	208-237	15	239
1-11-24-26	Souris River		X		Black bituminous partings in samples from the Souris River (2000-2060').				
	Dawson Bay		X		Black bituminous partings in samples from the Dawson Bay (2180-2210').				
	Winnipegosis		X		Black bituminous partings in core from the Winnipegosis (2372-2382', no oil stain.				

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
13-4-24-27	Duperow	1530-1547'			REC. 5' M	60			
	Duperow	1534-1557'			REC. 55' M	60			
	Duperow	1529-1591'			REC. 180' M	60			
	Duperow	1722-1741'			REC. 30' M, 920' SW	60			
	Duperow-Souris River	2050-2065'			REC. 210' SW, 25' M	60			
	Interlake	2923-2976'			REC. 55' M	60			
	Duperow		X		Possible slight oil staining in samples from the Duperow (1795-1810', 1890-1900').				
	Dawson Bay		X		Possible slight oil staining in samples from the Dawson Bay (2385-2405').				
<b>TWP 25</b>									
1-24-25-21	Winnipegosis	1114-1126'			REC. 60' M	60	104-112	60	0-360
4A-28-25-26	Dawson Bay	2105-2121'			REC. 680' MW (950 ppm Cl)	60	80-315	30	540
1-34-25-28	Cretaceous-Birdbear	1340-1440'			REC. 115' M	65		45	263
	Duperow-Souris River	2050-2170'			REC. 1200' MSW	90	250-460	45	500
	Interlake-Stonewall								
	Stony Mountain	2824-2944'			REC. 1340' MSW	120	81-670	45	960
	Souris River-Dawson Bay	2275-2365'			REC. 1481' SW	180	110-600	60	710
<b>TWP 26</b>									
5-6-26-5	Red River-Winnipeg	820-840'			REC. 720' FRESH W	15	285-306	15	305
<b>TWP 29</b>									
8-30-29-8	Red River-Winnipeg	760-827'			REC. 735' FRESH W	15	343-350	15	350
<b>TWP 30</b>									
16-18-30-25	Winnipegosis	2277-2327'			REC. 660' W	15	330	15	660
<b>TWP 34</b>									
16-35-34-26	Duperow	1172-1185'			REC. 60' MW	30	0	20	0

Well Location	Formation	DST Interval	Oil Shows	Gas Shows	DST Recovery / Show Comments	VO	FP	SI	SIP
	Souris River-Dawson Bay	1527-1552'			REC. 485' SL SMW, SL SMELL OF G	30	270	15	286
	Winnipegosis	1707-1727'			REC. 600' SW	30	250	20	350
<b>TWP 35</b>									
13-3-35-29	Dawson Bay-Winnipegosis	1241-1277'			REC. 5.5 bls SL SW	60	390		
	Ashern-Interlake	1580-1629'			REC. 150' SM, 900' SW	60			
	Interlake	1889-1905'			REC. 15' M	60			
	Stonewall	1937-1967'			REC. 740' SW	60			
	Red River	2355-2373'			REC. 1810' SW	75			
<b>TWP 37</b>									
9-1-37-28	Dawson Bay-Winnipegosis	837-890'			REC. 550' SL. SW	40	290	15	290
<b>TWP 45</b>									
11-8-45-25	Winnipegosis	185-643'			REC. FLOWING W (2 bls/min.)	15	81.6	15	81.6
	Red River	840-1027'			REC. 510' W	60	55-255	50	409-409
	Red River-Winnipeg	1025-1138'			REC. 995' W	30	464-491	30	491-491