

TUNDRA OIL AND GAS LTD.



2000 N. Ebcr #1

NORTH EBOR UNIT NO. 1

PROGRESS REPORT

January 1 - December 31, 2000

FEBRUARY, 2001

TABLE OF CONTENTS



Page

INTRODUCTION	1
DISCUSSION	1
Production Performance	1
Reserves	1
Recovery Profiles	2
Injector Performance	2
Voidage Replacement	3
Individual Well Performance	3 - 4
Bakken Waterflood Performance Parameters	4 - 5
Pressure Survey	5
Summary	6
CONCLUSIONS	6
LIST OF TABLES	7
Table No.1 - Well List	8
Table No.2 - Production Data	9
Table No.3 - Recovery Profiles	10
Table No.4 - Water Injection Summary	11
Table No.5 - Voidage Calculations	12
Table No.6 - Pressure Survey	13
Table No.7 - Workovers	14
Table No.8 - Flood Front Advancement	15
LIST OF FIGURES	16
Figure No.1 - North Ebor Unit No.1 Area	17
Figure No.2 - Unit Production History	18
Figure No.2 - Unit Ultimate Oil Recovery Prediction	18
Figure No.3 - Injection Performance 16-14-10-29	19
Figure No.4 - Injection Performance 9-14-10-29	20
Figure No.5 - Hall Plot 16-14-10-29	21
Figure No.6 - Hall Plot 9-14-10-29	22
Figure No.7 - 16-14-10-29 Historical Injection Data	22
Figure No.8 - 9-14-10-29 Historical Injection Data	24
Figure No.9 - Fractional Flow Curve	25
APPENDICES	
Appendix A - Historical Unit Production Data	
Appendix B - 1999 Individual Well Production Data	
Appendix C - Individual Well Ultimate Recovery Predictions	
Appendix D - 9-14-10-29 Historical Injection Data	
Appendix E - 16-14-10-29 Historical Injection Data	

North Ebor Unit No.1

INTRODUCTION

The North Ebor Unit No.1 was unitized in June, 1990 for the purposes of pressure maintenance. Water injection commenced during the same month through well 16-14-10-29. During 1994, a second injection well was added at 9-14-10-29. Table No.1 outlines the Unit well list. The subject Progress Report covers the operating period from January 1, 2000 thru to December 31, 2000.

DISCUSSION

1. Production Performance

Oil production averaged 2.4 m³/day during the month of January, 2000 and declined to 1.9 m³/day by December 31, 2000. The annual decline in the oil production rate for the aforementioned period was 21%. The average annual daily oil rate during 2000 was 2.0 m³/day. Total oil production during 2000 was 731.6 m³ (down 8% from 1999). Table No.2 summarizes the 2000 production statistics of the Unit. Appendix A outlines the numerical production history of the Unit.

Unit water-cut at the beginning of 2000 was 52% and by year end increased to 64%. Average monthly water-cut in the Unit was 58%. Appendix B outlines the 2000 production data of the individual wells in the Unit.

Figure No.2 outlines the historical production of the Unit. The Bakken waterflood is representative of piston type displacement, after water breakthrough (watercut > 75%) the majority of economic oil will have been recovered.

Remaining recoverable oil reserves of 4,675 m³ (29.4 M STB) are estimated from the North Ebor Unit No.1. This will represent a total oil recovery of 46,150 m³ or 39.7% of the total oil-in-place. This is considered as the upper end of the recovery spectrum that can be expected from the Bakken formation with 16 hectare spacing and pressure maintenance. Figure No.2 outlines the ultimate oil recovery prediction expected in the Unit.

2. Reserves

The total oil-in-place in the Unit in both the upper and lower layers of the Middle Bakken Member is estimated at 730,584 STB (116,150 m³). The oil-in-place estimates of the individual wells are outlined in Table No.3.

3. Recovery profiles

Current oil recovery to 2000.12.31 is estimated at 35.7% of oil-in-place (includes both upper and lower layers). Ultimate oil recovery in the Unit is estimated at 39.7% of the oil-in-place. Table No.3 outlines the current and ultimate recoveries of the individual wells in the Unit. Appendix C outlines the 2000 individual well ultimate oil recovery predictions.

4. Injector Performance

Figures No.3 and No.4 outline the wellhead injection pressures vs cumulative injection volume for injection wells 16-14-10-29 and 9-14-10-29, respectively. From the beginning of injection, in both cases, wellhead injection pressures have continued to increase over the cumulative injection period. This is attributable to low matrix permeabilities associated with the Bakken formation. The high injection pressures are also due to a low mobility ratio identified from relative permeability testing. As a result, during a pressure maintenance operation in the Bakken formation, as reservoir fill-up is approached, it will become progressively more difficult to maintain injection. Further well stimulation or re-fracturing (based on actual programs) will not correct this condition over the long term. The 9-14-10-29 injector was abandoned during 1999, since the well had pressured up and operationally further water injection was not viable in supporting offsetting producers.

Hall Plots were also prepared for injection wells 9-14 and 16-14-10-29 to confirm that injection cannot be improved with further remedial programs. Figures No.5 and No.6 outline the Hall Plot's for injectors 16-14 and 9-14-10-29, respectively. Both plots indicate that there is no significant change in the slope of the injection profiles during the majority of the injection history. These profiles confirm from a reservoir engineering perspective that the high injection pressures are due to the low permeability conditions of the Bakken "D" Pool formation. Injecting below approved maximum wellhead operating pressures can only be maintained by either reducing the injection volumes or periodically shutting in the injectors. This approach will lengthen the amount of time required to achieve reservoir fill-up. As a result of high injection pressures during 2000, injection well 16-14-10-29 was shut-in for the period from June to October, 2000.

In summary, total injection during 2000 was 2,071.1 m³ (up 456 m³ from 1999). The average annual daily injection rate was 6.3 m³/day (up 1.4 m³/day from 1999). Cumulative injection to 2000.12.31 was 61,224.6 m³. Table No.4 summarizes the injection data for 2000. Appendices D and E outline the historical injection records of the 9-14 and 16-14-10-29 injectors, respectively.

5. Voidage Replacement

Table No.5 outlines the voidage calculations for the Unit. Total voidage in the Unit during 2000 was 1,802 Rm3 (up 4% from 1999). Total injection during 2000 equalled 2,071 Rm3 (up 28% from 1999). As stated previously, injector 16-14-10-29 was shut-in during the period June to October, 2000 due to high wellhead injection pressures. Notwithstanding the period when water injection was shut-in during Year 2000, a respectable annual voidage replacement ratio of 1.15 was achieved in the Unit during 2000. A cumulative voidage replacement ratio of 0.96 has been achieved in the Unit to 2000.12.31.

In summary, cumulative voidage replacement and acceptable oil recovery will be achieved in the Unit with the remaining 16-14-10-29 injector.

6. Individual Well Performance

A review of the production performance of each of the producing wells is presented hereafter. The analysis is referenced to the wells outlined in Appendices B and C.

a. 12-13-10-29

Oil production remained relatively flat at 0.26 m3/day at a water-cut of 86 % throughout 2000. The historical production plot indicates that 12-13 has had waterflood response both from injectors 9-14 and 16-14. The significant increase in water-cut during 1998 indicates that water breakthrough has occurred at 12-13 with the majority of oil recovered from this location. The 12-13 well has marginal production potential remaining, and will continue to be produced until commodity prices indicate that this well should be abandoned.

b. 13-13-10-29

The 13-13 well is a former Unit Bakken producer that has been re-completed in the Lodgepole and serves to provide make-up source water for waterflood operations.

c. 9-14-10-29

The 9-14 well is an abandoned injector which pressured up and was operated only periodically during 1998. There was no water injection at 9-14 during 1999, and this well was abandoned in 1999.

d. 15-14-10-29

The 15-14 well reached it's economic limit in 1998 and was abandoned in November, 1998.

e. 16-14-10-29

The 16-14 injection well was the first injector in the Unit, and will continue providing pressure maintenance in the Unit during 2001.

f. 1-23-10-29

Oil production at the beginning of the year was 1.41 m3/day at a water-cut of 19%. Water production increased during the year with a subsequent decrease in oil production. The oil rate at December 31, 2000 was 1.24 m3/day at a water-cut of 30%. The increase in water-cut is attributable to the beginning of potential water breakthrough from the 16-14 injector. The 1-23 oil well is the best producer in the Unit at this time.

g. 2-23-10-29

Oil production at the beginning of the year was 0.73 m3/day at a water-cut of 37 %. Water production increased during the year with a subsequent decrease in oil production. The oil rate at December 31, 2000 was 0.35 m3/day at a water-cut of 76%. The increase in water-cut is attributable to water breakthrough from the 16-14 injector. As a result of water breakthrough during 2000, performance at 2-23 will be closely monitored during 2001.

7. Bakken Waterflood Performance Parameters

A review of the Bakken relative permeability test completed at 4-28-10-29 (from the Bakken "A" Pool and representative of the Bakken "D" Pool) was revisited to measure how well the existing depletion plan was performing in the Unit.

a. Fractional Flow Curve

Figure No.9 outlines the Buckley-Leverett fractional flow curve for the Bakken "A" Pool (this data was considered to be representative of the Bakken "D" Pool). The fractional flow curve provides an estimate of the ultimate recovery factor with waterflooding. From Figure No.9, the irreducible formation water saturation is about 58%. This means that about 42% of the pore space was initially saturated with oil. After ultimate waterflood recovery is reached, the formation water saturation will have increased to 80%. This will result in an ultimate oil recovery of about 52% of the oil-in-place in a Bakken reservoir.

Formation water saturation prior to breakthrough is estimated at 71% behind the flood front. Average formation water saturation after water breakthrough is estimated at 74% behind the flood front. The fractional flow curve suggests that once breakthrough occurs at a given well, the majority of the oil will have already been recovered. Current average formation water saturation of 80% is estimated behind the flood front in the areas of the Unit where wells have watered out (13-13 and 15-14). In the northern sector of the Unit, the water saturation behind the flood front is estimated at 65%.

Ultimate oil recovery in the Unit is projected to be about 39.7% of the oil-in-place with the 16 hectare depletion plan. In order to achieve 52% recovery of the oil-in-place with waterflooding in the Unit, reduced spacing would be required. This depletion strategy is not economic with the oil remaining in place.

b. Flood Front Advancement

An estimate was made at what rate the flood front advances in a Bakken pressure maintenance scheme. Table No.8 outlines the Buckley – Leverett methodology that was used to derive initial waterflood response in a Bakken oil reservoir. Initial waterflood response is estimated after 4 to 5 months, which corresponds well with actual field performance. An attempt was also made to determine how long it would take to fully sweep the entire Bakken oil column. Again, using the Buckley-Leverett approach, a total waterflood operation time of about 15 years is forecasted (from production forecast remaining producing life is estimated at 12.3 years). The North Ebor Unit No.1 has completed 10.5 years under waterflood operations.

8. Pressure Surveys

Since the Bakken reservoir has low reservoir permeability, extended shut-in periods are required to reach the radial flow period, in order to make reliable pressure and formation parameter assessments. As a result, no pressure surveys were conducted during 2000. The Manitoba Petroleum Branch has waived the requirement of conducting annual pressure maintenance surveys in recognition of this reservoir condition. However, Tundra will consider running pressure recorder devices in new wells where this information will be beneficial in reservoir management. Currently, running pressure buildup tests in mature Bakken wells is not economic.

9. Summary

The North Ebor Unit No.1 is a mature pressure maintenance project with current recovery estimated at about 37.3 M STB/well (does not include D&A's). Ultimate oil recovery is estimated at 41.5 M STB/well (D&A's not included). Since three D&A's were drilled north of the Unit to define the northern extent of the Bakken "D" Pool, an ultimate recovery of 29 M STB/well is projected under a full cycle development scenario (primary and secondary). With current drilling and equipping costs, infill drilling on 8 hectare spacing (recognizing full cycle development) of this resource would not be economic. The remaining life of the Unit is estimated at 12.3 years.

CONCLUSIONS

The following conclusions are offered by Tundra Oil and Gas Ltd. in our efforts to maximize oil recovery from the North Ebor Unit No.1:

1. Tundra will continue to monitor production and carry out the required remedial work to achieve the recovery predictions outlined in this Progress Report.
2. Tundra is of the position that the addition of further injectors beyond 9-14 and 16-14-10-29 is not economic (insufficient incremental oil recovery).
3. Similarly, consideration of infill drilling would not be economic without attractive government incentives.
4. Horizontal drilling would not be practical in the Unit, since prevailing reservoir pressures and recoveries would not yield attractive economics in the application of this type of technology.
5. Conventional pressure buildup tests have been discontinued in the Unit, since extended shut-in times would result in too much postponed production, which would negatively impact on the economic performance of the Unit. As an alternative, if a new well is drilled in the future adjacent to the Unit, a DST will be run to obtain the average reservoir pressure in the area.
6. The 9-14 injector was abandoned during 1999, since this injector was no longer required for pressure maintenance operations in the Unit. Well 15-14-10-29 was abandoned in 1998 and well 12-13-102-9 is approaching it's economic limit and will quite likely be abandoned during 2001.
7. Enhanced oil recovery (chemical flooding) in the Bakken formation has been found to be unattractive based on laboratory testing and a benefit/cost analysis.

LIST OF TABLES

LIST OF
TABLES

Table No.1	- Well List
Table No.2	- Production Data
Table No.3	- Recovery Profiles
Table No.4	- Water Injection Summary
Table No.5	- Voidage Calculations
Table No.6	- Pressure Survey
Table No.7	- Workovers
Table No.8	- Flood Front Advancement

Table No.1

North Ebor Unit No.1

Well List

The following wells are included in the North Ebor Unit No.1

<u>Well</u>	<u>Status</u>
12-13-10-29 WPM	Producing
13-13-10-29 WPM	Water Source Well
9-14-10-29 WPM	Abandoned Injector
15-14-10-29 WPM	Abandoned Producer
16-14-10-29 WPM	Injector
1-23-10-29 WPM	Producing
2-23-10-29 WPM	Producing

TABLE NO. 2												
NORTH EBOR UNIT NO.1												
2000 PRODUCTION DATA												
	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
OIL (m3)	72.9	65.1	56.4	62.3	64.0	56.2	56.9	61.6	57.5	63.9	57.1	57.7
WATER (m3)	80.3	79.3	81.2	77.2	81.1	82.6	97.3	82.6	83.8	82.0	94.3	102.8
TOTAL FLUID (m3)	153.2	144.4	137.6	139.5	145.1	138.8	154.2	144.2	141.3	145.9	151.4	160.5
DAILY OIL (m3/day)	2.4	2.2	1.9	2.2	2.2	2.0	1.9	2.0	1.9	2.1	1.9	1.9
WATER-CUT (%)	52	55	59	55	56	60	63	57	59	56	62	64
AVERAGE MONTHLY OIL =					61.0	m3						
AVERAGE MONTHLY WATER =					85.4	m3						
AVERAGE MONTHLY TOTAL FLUID =					146.3	m3						
AVERAGE ANNUAL DAILY OIL =					2.0	m3/day						
AVERAGE MONTHLY WATER-CUT =					58	%						
2000 CUM. OIL PRODUCTION =					731.6	m3						
2000 CUM. WATER PRODUCTION =					1,024.5	m3						
CUM. OIL PRODUCTION TO 2000.12.31					41,478.5	m3						

TABLE NO.3													
NORTH EBOR UNIT NO.1													
RECOVERY PROFILES													
(Based on Cumulative Production to 2000.12.31)													
Well	Cum. Prod. to Dec.31/2000 (m3)	Cum. Prod. to Dec.31/2000 (STB)	Lower Zone OOIP (STB)	Upper Zone OOIP (STB)	Total OOIP (STB)	Ultimate Recovery Prediction (m3)	Ultimate Recovery Prediction (STB)	Ultimate Recovery Factor (%)	Remaining Proved Producing Oil (STB)	Current Recovery Factor Lower Zone Only (%)	Current Rec. Fac. Lower & Upper Zone (%)		
12-13-10-29	6,717.8	42,255.0	71,122	73,578	144,700	7,522	47,313	32.7	5,058	59.4	29.2		
13-13-10-29	2,962.3	18,632.9	59,664	21,022	80,686	2,962	18,633	23.1	0	31.2	23.1		
9-14-10-29	5,866.6	36,900.9	90,358	68,322	158,681	5,867	36,901	23.3	0	40.8	23.3		
15-14-10-29	5,529.4	34,779.9	71,332	9,703	81,035	5,529	34,780	42.9	0	48.8	42.9		
16-14-10-29	2,888.1	18,166.1	80,615	52,556	133,171	2,888	18,166	13.6	0	-	-		
1-23-10-29	10,773.8	67,767.2	60,944	0	60,944	14,335	90,167	148.0	22,400	111.2	111.2		
2-23-10-29	6,740.5	42,397.7	71,367	0	71,367	7,050	44,345	62.1	1,947	59.4	59.4		
Totals	41,478.5	260,899.8	505,403	225,181	730,584	46,153	290,305	39.7	29,405	51.6	35.7		
Remaining proved producing reserves have been estimated from decline analysis													
Ultimate recovery factor based on oil-in-place in both lower and upper zones													

TABLE NO.5

TABLE NO.6

PRESSURE SURVEYS

There were no pressure buildup tests in the North Ebor Unit No.1 during 2000. However, fluid levels are taken periodically to ensure that the wells are pumping at their maximum efficiency.

TABLE NO.7

WORKOVERS

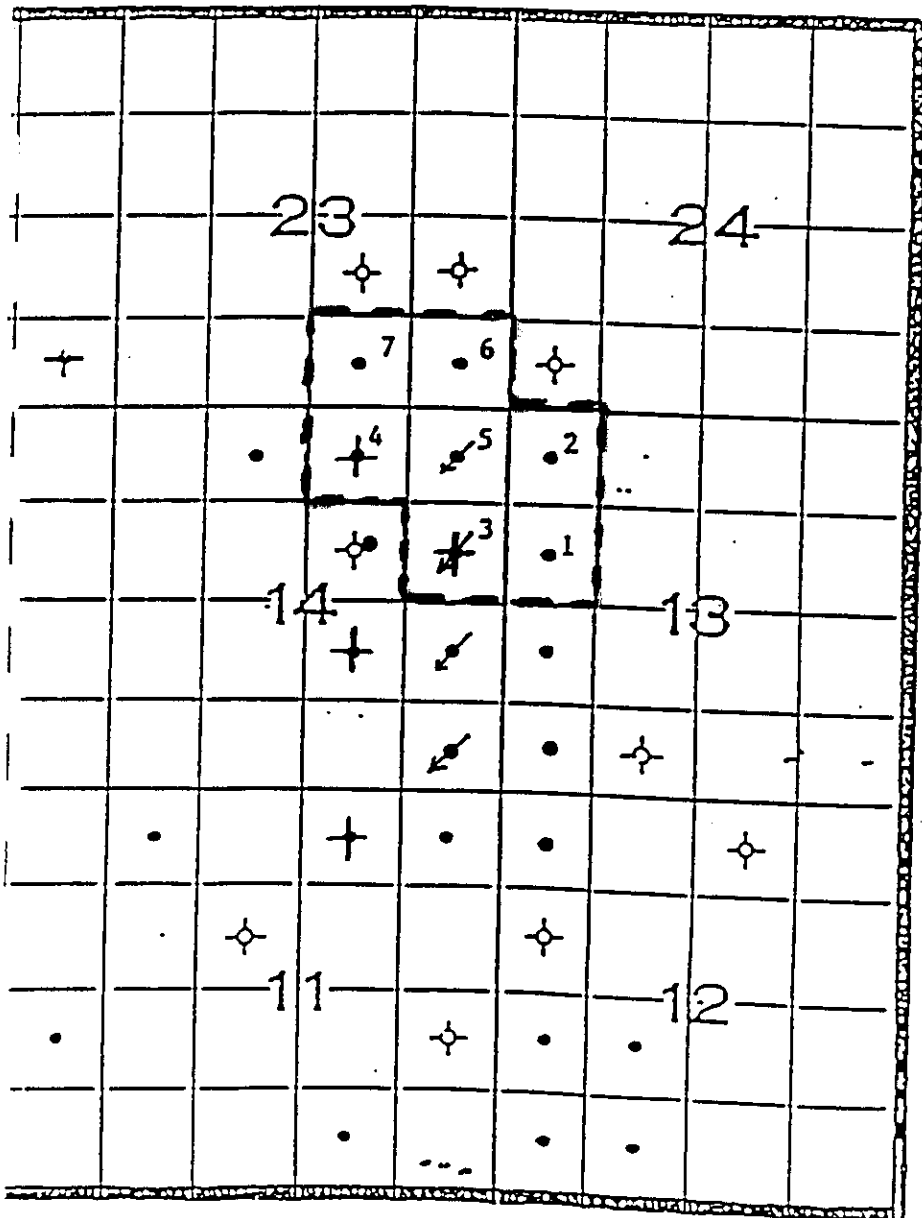
During 2000, there were primarily maintenance activities in the Unit.

TABLE NO.8													
BAKKEN 'D' POOL													
BUCKLEY - LEVERETT FRONTAL ADVANCE CALCULATIONS													
Sw	kro	krw	kro / krw	uw / uo	A 1 + (kro/krw * uw/uo)	Fw = 1 / A	B (uw/uo)*b*(kro/krw)	C A**2	Delta Fw / Delta Sw	B / C	137 days * D (feet)	3000 days * D	5000 days * D
0.578	0.0895	0	-	0.39	-	-	-	-	-	-	-	-	-
0.589	0.07697	0.00046	167	0.39	66.26	0.02	2506	4390	0.57	0.57	78	1,712	2,854
0.601	0.06567	0.00109	60	0.39	24.50	0.04	902	600	1.50	1.50	206	4,511	7,518
0.612	0.05553	0.00181	31	0.39	12.97	0.08	459	168	2.73	2.73	374	8,200	13,667
0.623	0.04649	0.00259	18	0.39	8.00	0.12	269	64	4.20	4.20	575	12,599	20,999
0.634	0.03848	0.00343	11	0.39	5.38	0.19	168	29	5.81	5.81	797	17,444	29,074
0.646	0.03145	0.0043	7	0.39	3.85	0.26	110	14,8413	7.38	7.38	1,011	22,141	36,902
0.657	0.02533	0.00521	5	0.39	2.90	0.35	73	8.3874	8.68	8.68	1,189	26,043	43,405
0.668	0.02007	0.00616	3	0.39	2.27	0.44	49	5.1559	9.46	9.46	1,297	28,391	47,318
0.679	0.01559	0.00713	2	0.39	1.85	0.54	33	3.4327	9.54	9.54	1,307	28,618	47,697
0.691	0.01183	0.00813	1.455	0.39	1.57	0.64	22	2.4570	8.87	8.87	1,215	26,607	44,346
0.702	0.00874	0.00916	0.954	0.39	1.37	0.73	14	1.8827	7.59	7.59	1,040	22,769	37,949
0.713	0.00624	0.01021	0.611	0.39	1.24	0.81	9	1.5335	5.97	5.97	818	17,905	29,842
0.724	0.00427	0.01128	0.37855	0.39	1.15	0.87	5.68911	1.3171	4.30	4.30	590	12,913	21,522
0.736	0.00278	0.01237	0.22474	0.39	1.09	0.92	3.36567	1.1830	2.85	2.85	390	8,535	14,225
0.747	0.00169	0.01348	0.12537	0.39	1.05	0.95	1.87755	1.1002	1.71	1.71	234	5,120	8,533
0.758	0.00093	0.01461	0.06366	0.39	1.02	0.98	0.95330	1.0503	0.91	0.91	124	2,723	4,538
0.769	0.00046	0.01576	0.02919	0.39	1.01	0.99	0.43712	1.0229	0.43	0.43	59	1,282	2,137
0.781	0.00019	0.01692	0.01123	0.39	1.00	1.00	0.16817	1.0088	0.17	0.17	23	500	834
0.792	0.00006	0.0181	0.00331	0.39	1.00	1.00	0.04964	1.0026	0.05	0.05	7	149	248
0.803	0	0.0193	0.00000	0.39	1.00	1.00	0.00000	1.0000	0.0000	0.0000	0	0	0

LIST OF FIGURES

- Figure No.1** - North Ebor Unit No.1
- Figure No.2** - Unit Production History
- Figure No.2** - Unit Ultimate Oil Recovery Prediction
- Figure No.3** - Injection Performance of Well 16-14-10-29
- Figure No.4** - Injection Performance of Well 9-14-10-29
- Figure No.5** - Hall Plot Injection Well 16-14-10-29
- Figure No.6** - Hall Plot Injection Well 9-14-10-29
- Figure No.7** - 16-14-10-29 Historical Injection Data
- Figure No.8** - 9-14-10-29 Historical Injection Data
- Figure No.9** - Fractional Flow Curve

Rge 29w1



— Unit Outline

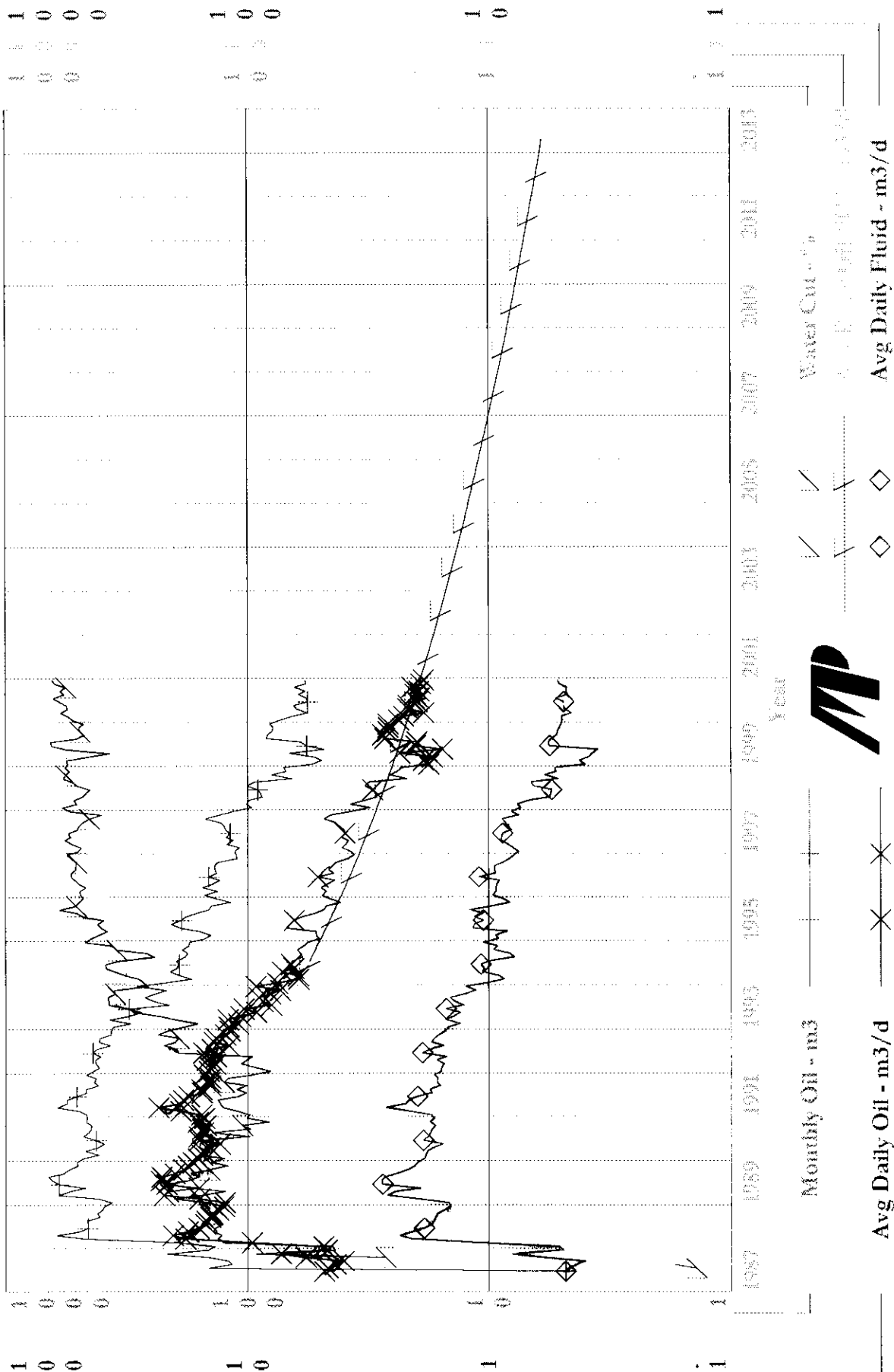


FIGURE NO.3
INJECTION PERFORMANCE OF WELL 16-14-10-29

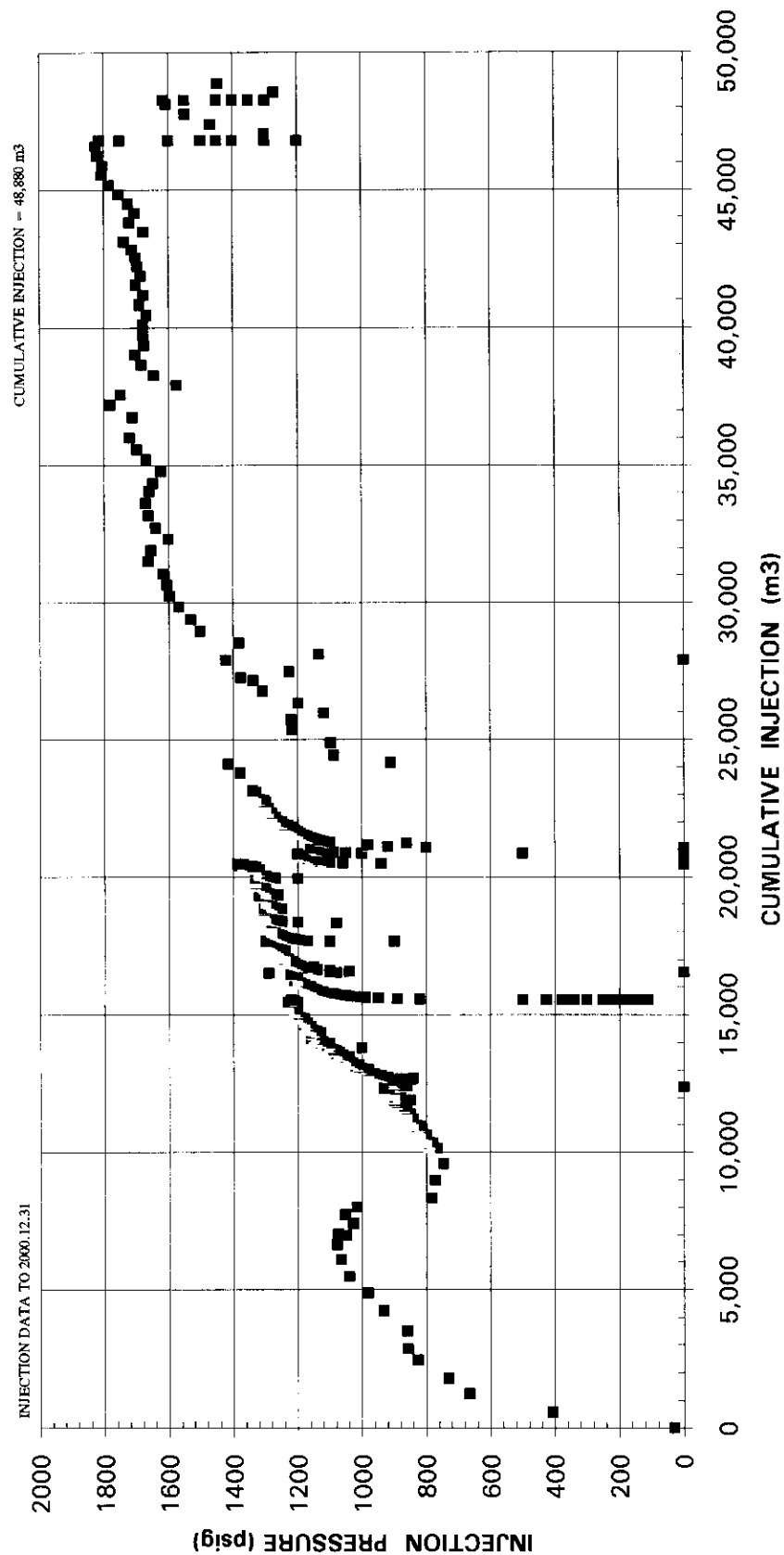


FIGURE NO.4
INJECTION PERFORMANCE OF WELL 9-14-10-29

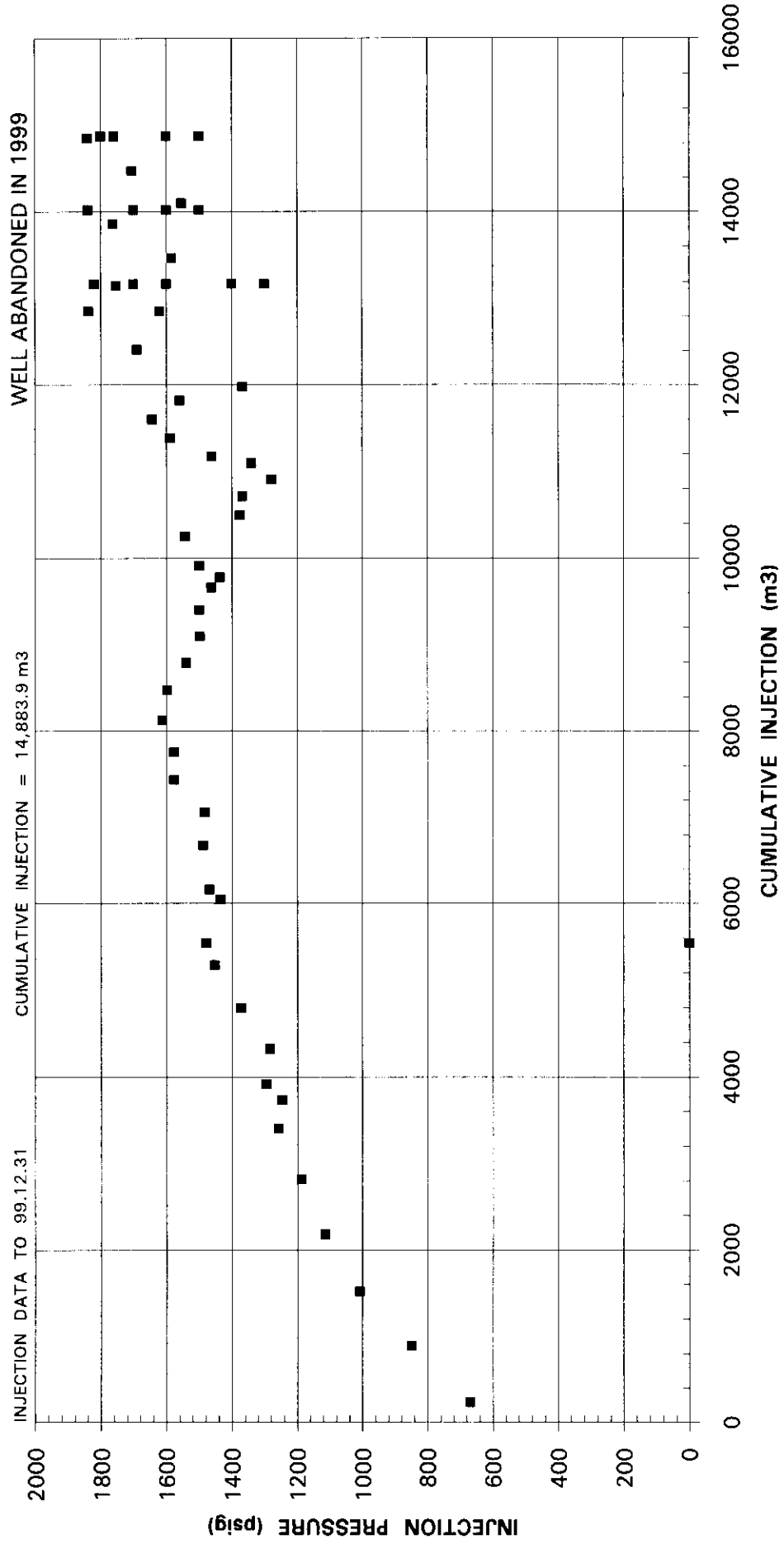


FIGURE NO.5
HALL PLOT INJECTION WELL 16-14-10-29

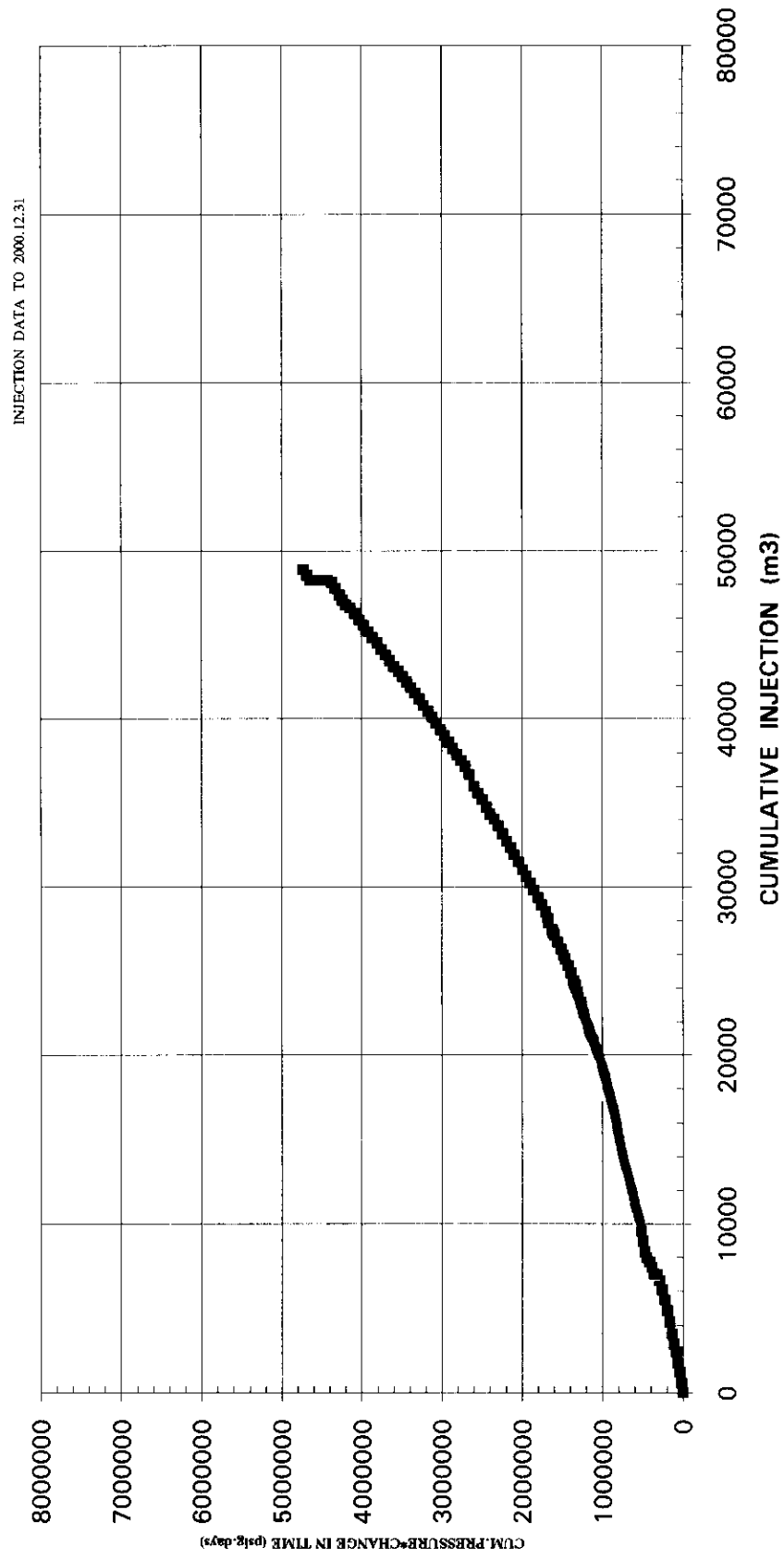


FIGURE NO.6
HALL PLOT INJECTION WELL 9-14-10-29

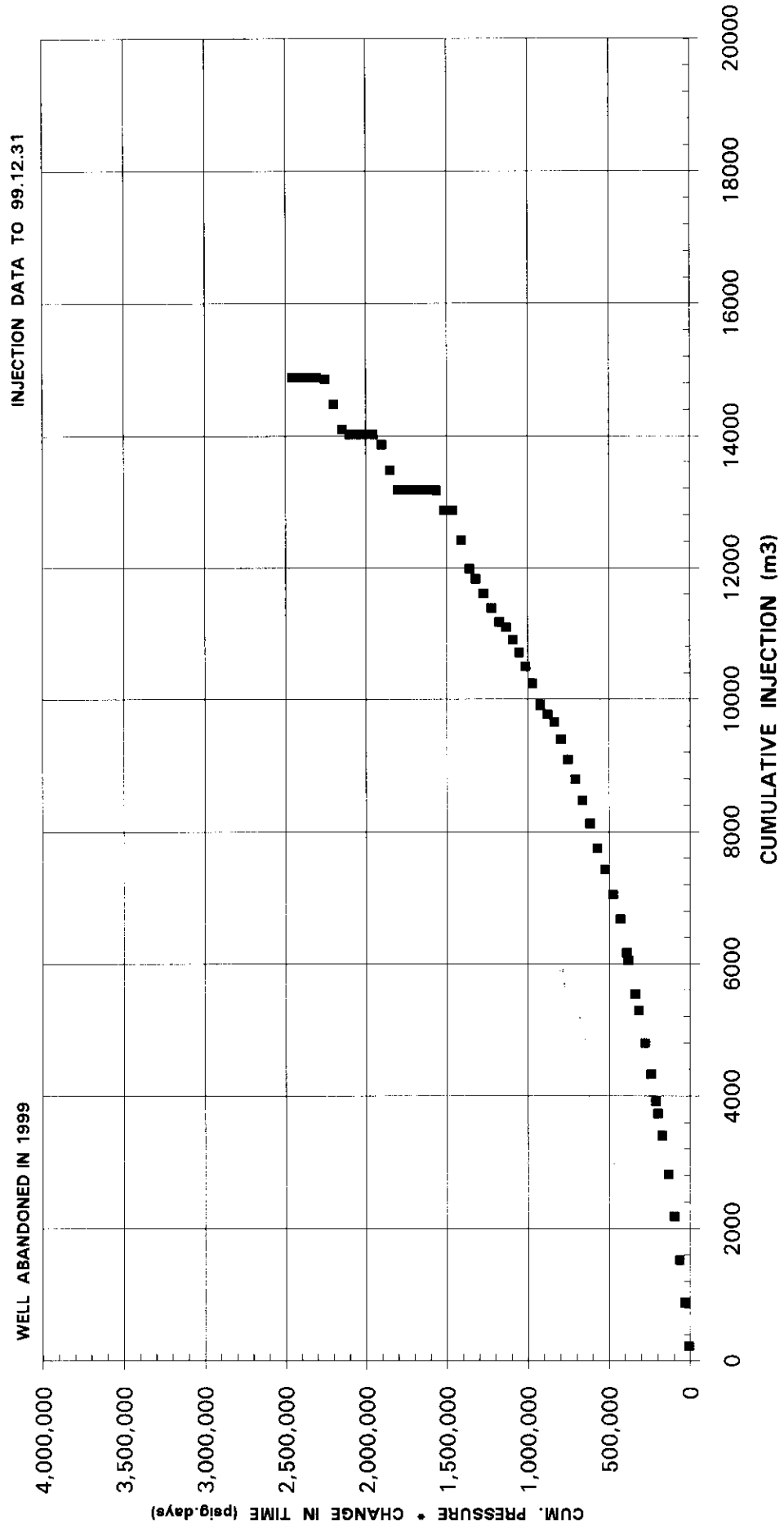
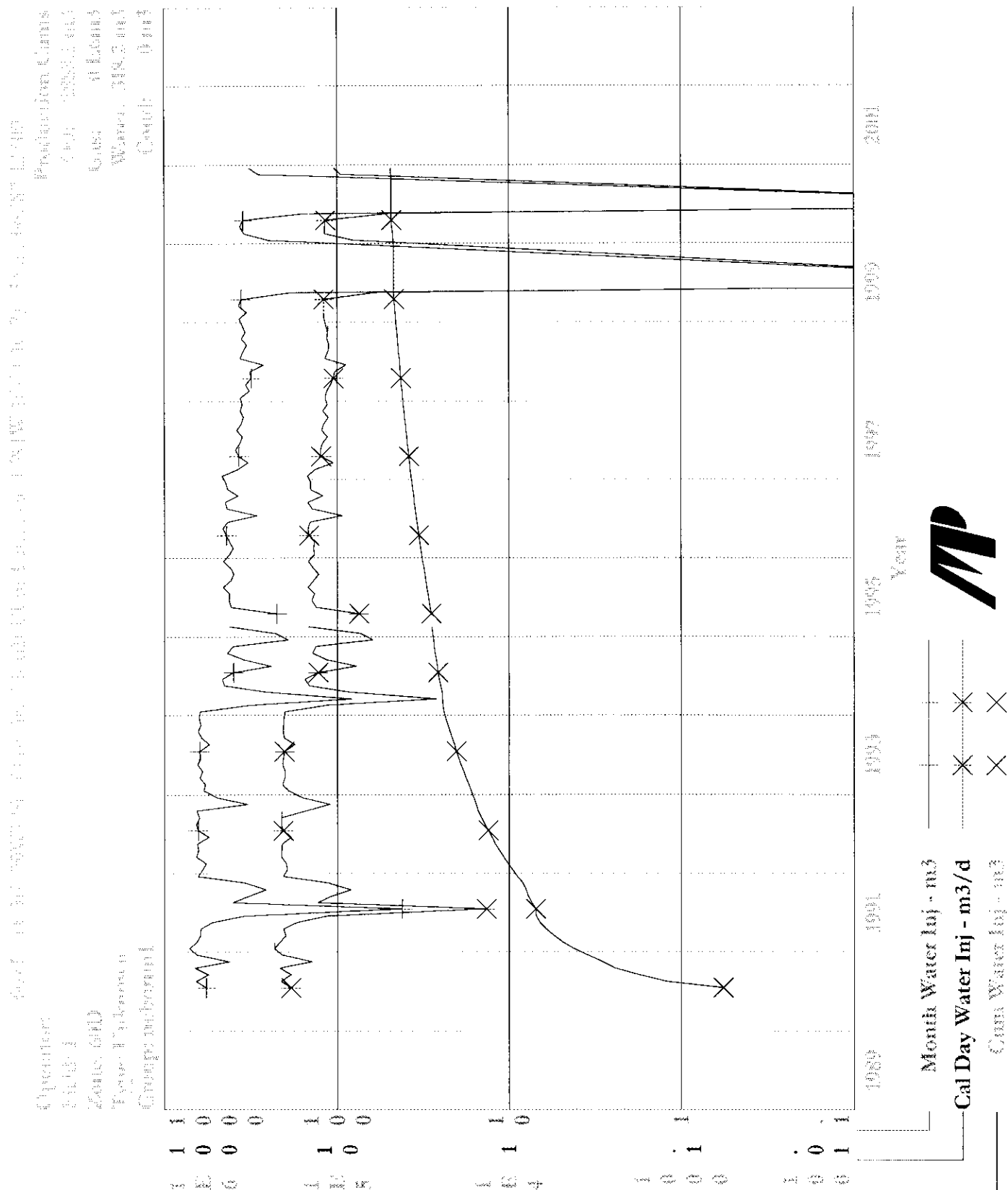


FIGURE 10.7



α

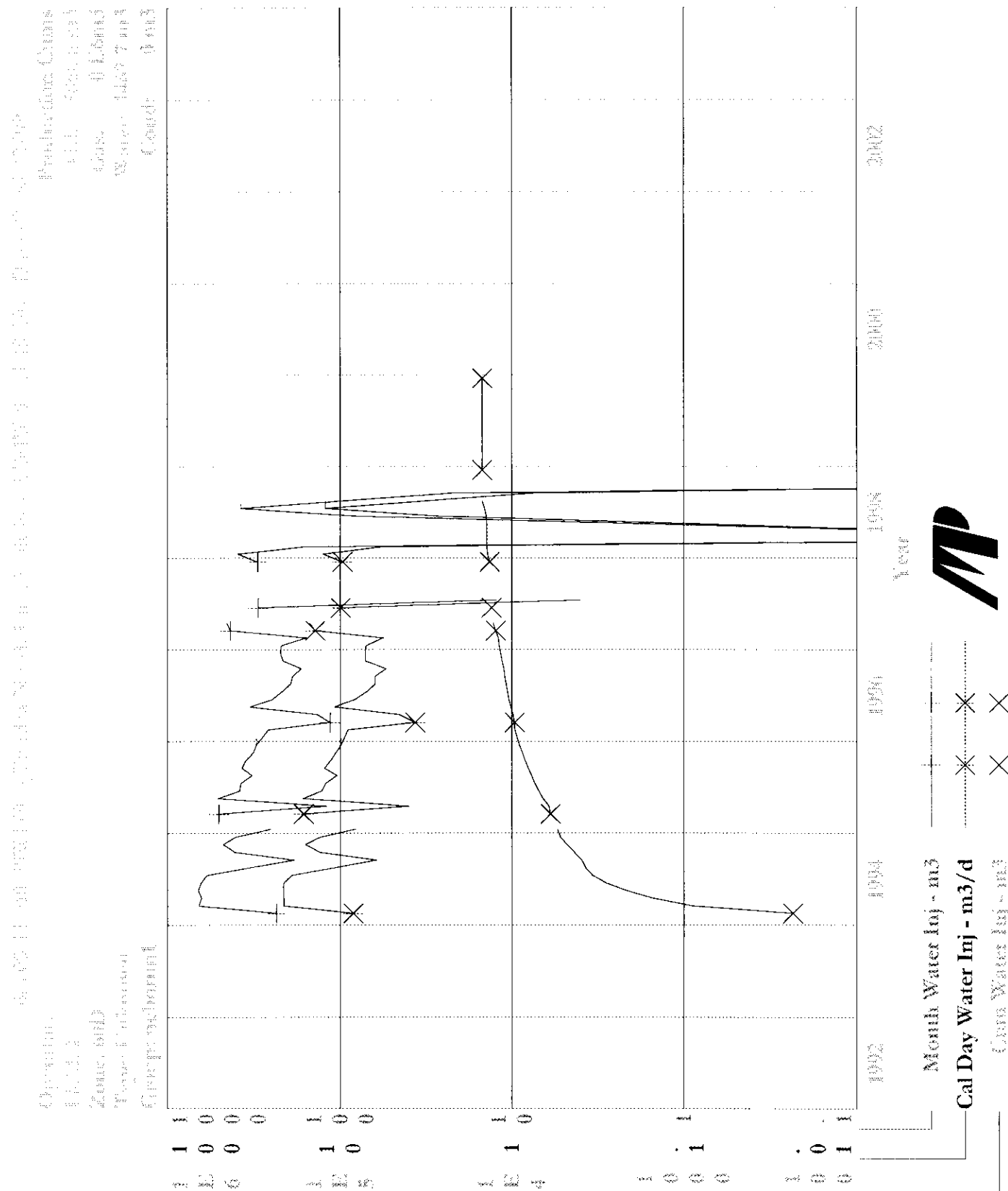
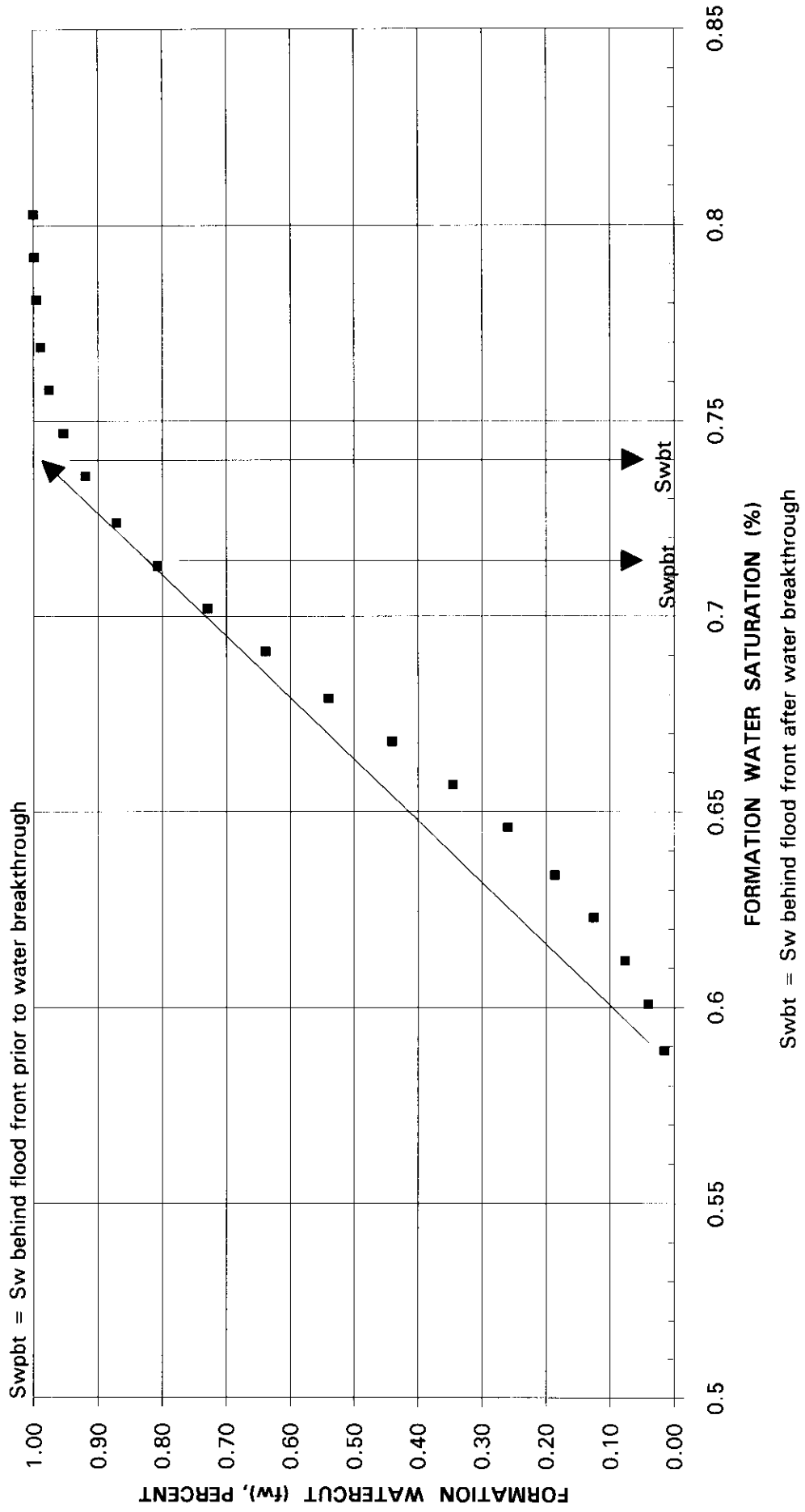


FIGURE NO.9
FRACTIONAL FLOW CURVE BAKKEN 'D' POOL



LIST OF APPENDICES

Appendix A - Historical Unit Production Data

Appendix B - 2000 Individual Well Production Data

Appendix C - Individual Well Ultimate Recovery Predictions

Appendix D - 9-14-10-29 Historical Injection Data

Appendix E - 16-14-10-29 Historical Injection Data

APPENDICES

APPENDIX A

HISTORICAL UNIT PRODUCTION DATA

Production Report

Group : neborun1	Date : July 19, 2006 11:21:12 am
Well : ncun1	User : George
: 000000005	
Hist.Data : 06/87-12/00	On Prod : 02/09
Operator :	Status : Oil
Field :	Zone :

Production Data from June, 1987 to December, 2000

Year	Monthly Oil	Cum Oil	Avg Daily Oil	Water Cut	Monthly Water	Cum Water
	m3	m3	m3/d	%	m3	m3
Jun., 1987	4.8	4.8	4.8		0	0
Jul., 1987	144.2	149	4.65161	0.138443	0.2	0.2
Aug., 1987	116.6	265.6	4.31852	0.171158	0.2	0.4
Sep., 1987	119.9	385.5	3.99667		0	0.4
Oct., 1987	145.2	530.7	5.74102	2.67982	4	4.4
Nov., 1987	214.7	745.4	7.2677	9.21408	21.8	26.2
Dec., 1987	145.3	890.7	4.6871	4.34313	6.6	32.8
Jan., 1988	137.2	1027.9	4.84948	4.45495	6.4	39.2
Feb., 1988	194.7	1222.6	9.57542	12.5289	27.9001	67.1001
Mar., 1988	471.399	1694	18.1017	13.2447	71.999	139.099
Apr., 1988	610.701	2304.7	20.4134	12.8518	90.1003	229.199
May., 1988	491.3	2796	17.678	13.847	78.9995	308.199
Jun., 1988	457.101	3253.1	15.9919	13.652	72.3012	380.5
Jul., 1988	454.299	3707.4	14.9359	12.68	65.9991	446.499
Aug., 1988	459.3	4166.7	14.8161	13.5955	72.3014	518.801
Sep., 1988	406.801	4573.5	14.3156	13.4231	63.0993	581.9
Oct., 1988	416.9	4990.4	13.9939	14.3887	70.0995	651.999
Nov., 1988	398	5388.4	13.2667	12.9434	59.1997	711.199
Dec., 1988	389.6	5778	12.5677	12.4251	55.3005	766.5
Jan., 1989	363.501	6141.5	12.4451	14.7258	62.7999	829.299
Feb., 1989	413.899	6555.4	15.843	20.1202	104.299	933.599
Mar., 1989	600.2	7155.6	22.1954	15.5779	110.8	1044.4
Apr., 1989	542.9	7698.5	21.36	12.36	76.5999	1121
May., 1989	470.2	8168.7	15.8941	17.0806	96.8997	1217.9
Jun., 1989	601.299	8770	21.636	21.4427	164.2	1382.1
Jul., 1989	641.301	9411.3	22.9036	17.7124	138.101	1520.2
Aug., 1989	666.6	10077.9	22.6606	15.9865	126.899	1647.1
Sep., 1989	575.1	10653	20.0035	17.2099	119.601	1766.7
Oct., 1989	546.201	11199.2	18.4113	14.4504	92.3006	1859
Nov., 1989	500.3	11699.5	17.7621	12.0692	68.7006	1927.7
Dec., 1989	505.701	12205.2	16.8567	14.1809	83.5994	2011.3
Jan., 1990	475.899	12681.1	16.1094	12.4652	67.7991	2079.1
Feb., 1990	410.799	13091.9	15.4533	15.9688	78.1003	2157.2
Mar., 1990	467.8	13559.7	15.3587	14.3326	78.3	2235.5
Apr., 1990	416.4	13976.1	14.2562	15.839	78.4007	2313.9
May., 1990	389.9	14366	12.9967	15.7825	73.1003	2387
Jun., 1990	421.799	14787.8	15.9169	14.9713	74.3	2461.3

Production Report

Group : neborun1
Well : neun1
: 000000005

Date : July 19, 2006 11:21:12 am
User : George

Production Data from June, 1987 to December, 2000 (cont.)

Year	Monthly Oil m3	Cum Oil m3	Avg Daily Oil m3/d	Water Cut %	Monthly Water m3	Cum Water m3
Jul., 1990	475.7	15263.5	15.9899	9.83314	51.9003	2513.2
Aug., 1990	453.5	15717	15.2437	14.0558	74.2005	2587.4
Sep., 1990	443.401	16160.4	15.4003	9.78248	48.1001	2635.5
Oct., 1990	441.101	16601.5	14.8686	10.5051	51.8003	2687.3
Nov., 1990	463.9	17065.4	16.0658	8.17155	41.2993	2728.6
Dec., 1990	460.199	17525.6	15.0885	10.0605	51.4997	2780.1
Jan., 1991	461.5	17987.1	15.5562	9.80642	50.1993	2830.3
Feb., 1991	497.601	18484.7	18.9562	11.0907	62.099	2892.4
Mar., 1991	610.5	19095.2	23.2941	12.6809	88.6989	2981.1
Apr., 1991	556.701	19651.9	19.1966	12.9563	82.9001	3064
May., 1991	554.3	20206.2	18.5023	13.2772	84.9001	3148.9
Jun., 1991	509	20715.2	17.5517	10.9319	62.5003	3211.4
Jul., 1991	464.099	21179.3	15.47	10.1239	52.3003	3263.7
Aug., 1991	466.2	21645.5	15.54	11.0601	57.9994	3321.7
Sep., 1991	413.701	22059.2	14.2656	10.0416	46.1996	3367.9
Oct., 1991	430.9	22490.1	14.3633	12.556	61.8997	3429.8
Nov., 1991	422.001	22912.1	14.3051	12.0969	58.0999	3487.9
Dec., 1991	462.9	23375	15.1771	9.69174	49.6996	3537.6
Jan., 1992	435.201	23810.2	14.5067	8.02707	37.9995	3575.6
Feb., 1992	409.9	24220.1	14.2574	9.18993	41.5	3617.1
Mar., 1992	423.3	24643.4	13.6548	10.6542	50.4993	3667.6
Apr., 1992	425.701	25069.1	14.7855	10.072	47.7	3715.3
May., 1992	404.4	25473.5	13.4988	9.60725	43	3758.3
Jun., 1992	437.3	25910.8	15.2325	19.2957	104.601	3862.9
Jul., 1992	423.3	26334.1	14.11	19.64	103.5	3966.4
Aug., 1992	369.699	26703.8	11.9903	22.1774	105.401	4071.8
Sep., 1992	411.399	27115.2	13.8286	19.9541	102.6	4174.4
Oct., 1992	406.999	27522.2	13.5666	19.2712	97.1997	4271.6
Nov., 1992	367.4	27889.6	12.3496	23.4346	112.5	4384.1
Dec., 1992	365.699	28255.3	11.8605	21.4994	100.2	4484.3
Jan., 1993	359.4	28614.7	11.98	18.3487	80.8	4565.1
Feb., 1993	304.8	28919.5	10.9838	16.0964	58.4997	4623.6
Mar., 1993	371	29290.5	12.0814	19.8115	91.7	4715.3
Apr., 1993	310.5	29601	10.7069	22.983	92.6985	4808
May., 1993	274.101	29875.1	9.21347	29.5641	115.099	4923.1
Jun., 1993	309.4	30184.5	10.3855	30.7427	137.4	5060.5
Jul., 1993	212.1	30396.6	7.96619	37.0708	125	5185.5
Aug., 1993	240.899	30637.5	8.65507	37.1406	142.399	5327.9
Sep., 1993	265.701	30903.2	8.98143	37.8665	161.999	5489.89
Oct., 1993	240.8	31144	8.02666	35.2239	131	5620.89
Nov., 1993	216.8	31360.8	7.31813	35.543	119.601	5740.49

Production Report

Group : neborun1
Well : neun1
: 000000005

Date : July 19, 2006 11:21:13 am
User : George

Production Data from June, 1987 to December, 2000 (cont.)

Year	Monthly Oil m3	Cum Oil m3	Avg Daily Oil m3/d	Water Cut %	Monthly Water m3	Cum Water m3
Dec., 1993	285.899	31646.7	9.22255	25.7125	98.9994	5839.49
Jan., 1994	221.9	31868.6	7.53266	25.7027	76.7989	5916.29
Feb., 1994	169.999	32038.6	6.15382	28.1399	66.5997	5982.89
Mar., 1994	190	32228.6	6.17888	31.8167	88.6997	6071.59
Apr., 1994	208.6	32437.2	7.19309	31.7759	97.1999	6168.79
May., 1994	196.501	32633.7	6.43386	38.2552	121.8	6290.59
Jun., 1994	191.8	32825.5	6.5854	38.7117	121.2	6411.79
Jul., 1994	196.299	33021.8	6.54331	34.5133	103.501	6515.29
Aug., 1994	181.6	33203.4	5.92981	24.2937	58.3001	6573.59
Sep., 1994	177.1	33380.5	6.02892	26.2613	63.0999	6636.69
Oct., 1994	186.1	33566.6	6.20334	34.8061	99.3999	6736.09
Nov., 1994	175.401	33742	5.84669	36.3236	100.1	6836.19
Dec., 1994	173.2	33915.2	5.63252	46.6967	151.8	6987.99
Jan., 1995	150.4	34065.6	5.0273	44.532	120.801	7108.79
Feb., 1995	142.2	34207.8	5.18662	44.399	113.601	7222.39
Mar., 1995	158.201	34366	5.20112	37.9991	97.0006	7319.4
Apr., 1995	188.801	34554.8	6.91788	40.2048	127	7446.4
May., 1995	206.8	34761.6	6.67097	41.5712	147.2	7593.6
Jun., 1995	187.9	34949.5	6.4148	39.1411	120.9	7714.5
Jul., 1995	180.6	35130.1	5.98673	47.5196	163.6	7878.1
Aug., 1995	161.199	35291.3	5.19998	50.6623	165.6	8043.7
Sep., 1995	144.7	35436	4.82334	59.7166	214.6	8258.3
Oct., 1995	141.1	35577.1	4.70334	51.0469	147.2	8405.5
Nov., 1995	117.8	35694.9	4.10335	49.6039	116	8521.5
Dec., 1995	134.601	35829.5	4.55629	47.6766	122.701	8644.2
Jan., 1996	150.501	35980	4.89433	48.868	143.9	8788.1
Feb., 1996	133.3	36113.3	4.71858	49.3047	129.701	8917.8
Mar., 1996	153.1	36266.4	4.95203	46.551	133.4	9051.2
Apr., 1996	139.6	36406	4.65332	49.5555	137.2	9188.4
May., 1996	130.5	36536.5	4.34999	51.4759	138.499	9326.9
Jun., 1996	144.9	36681.4	5.10662	53.4423	166.4	9493.3
Jul., 1996	134.5	36815.9	4.37993	53.2063	153	9646.3
Aug., 1996	136.1	36952	4.5941	51.2949	143.4	9789.7
Sep., 1996	137.001	37089	4.5858	51.4244	145.099	9934.8
Oct., 1996	133.301	37222.3	4.30002	50.7461	137.4	10072.2
Nov., 1996	110.9	37333.2	3.82414	53.3531	126.9	10199.1
Dec., 1996	111.1	37444.3	3.61299	55.8144	140.4	10339.5
Jan., 1997	112.9	37557.2	3.7271	50.2314	114	10453.5
Feb., 1997	108.301	37665.5	4.05494	48.6374	102.6	10556.1
Mar., 1997	121.3	37786.8	3.91291	52.8273	135.9	10692
Apr., 1997	114.7	37901.5	3.82332	56.9175	151.6	10843.6

Production Report

Group : neborun1
Well : neun1
: 000000005

Date : July 19, 2006 11:21:13 am
User : George

Production Data from June, 1987 to December, 2000 (cont.)

Year	Monthly Oil m3	Cum Oil m3	Avg Daily Oil m3/d	Water Cut %	Monthly Water m3	Cum Water m3
May., 1997	122.8	38024.3	4.09333	53.6669	142.3	10985.9
Jun., 1997	118.399	38142.7	3.94665	54.9015	144.199	11130.1
Jul., 1997	123.4	38266.1	3.98064	50.5699	126.301	11256.4
Aug., 1997	124.8	38390.9	4.16001	49.6055	122.9	11379.3
Sep., 1997	129.401	38520.3	4.31336	47.8745	118.9	11498.2
Oct., 1997	149.4	38669.7	4.81935	45.0021	122.3	11620.5
Nov., 1997	130	38799.7	4.51521	39.9155	86.4002	11706.9
Dec., 1997	115.1	38914.8	3.71291	53.8382	134.3	11841.2
Jan., 1998	95.8002	39010.6	3.09033	58.0268	132.5	11973.7
Feb., 1998	101.001	39111.6	3.74077	50.7447	104.1	12077.8
Mar., 1998	98.4008	39210	3.24844	51.9418	106.4	12184.2
Apr., 1998	86.9	39296.9	2.89667	48.2936	81.2	12265.4
May., 1998	88.3	39385.2	2.94333	46.5387	76.9	12342.3
Jun., 1998	90.7	39475.9	3.02333	44.6842	73.3	12415.6
Jul., 1998	100.5	39576.4	3.24194	50.2119	101.4	12517
Aug., 1998	93.9	39670.3	3.13872	52.8031	105.1	12622.1
Sep., 1998	65.5	39735.8	2.18333	57.5395	88.8	12710.9
Oct., 1998	79.4	39815.2	2.56129	56.2185	102	12812.9
Nov., 1998	69.2	39884.4	2.38621	54.5823	83.2	12896.1
Dec., 1998	70.8	39955.2	2.30244	56.6864	92.7	12988.8
Jan., 1999	54.1	40009.3	1.77135	55.389	67.2	13056
Feb., 1999	49.2	40058.5	1.8566	55.9031	62.4	13118.4
Mar., 1999	52.8	40111.3	1.71475	55.6566	66.3	13184.7
Apr., 1999	66.9	40178.2	2.33372	37.1138	39.5	13224.2
May., 1999	48.2	40226.4	1.55484	56.011	61.4	13285.6
Jun., 1999	56.9	40283.3	2.00235	64.1134	101.7	13387.3
Jul., 1999	60	40343.3	1.97531	64.9841	111.4	13498.7
Aug., 1999	83.5	40426.8	2.69355	50.6391	85.7	13584.4
Sep., 1999	82.5	40509.3	2.75	47.2397	73.9	13658.3
Oct., 1999	78.8	40588.1	2.62667	49.3138	76.7	13735
Nov., 1999	78.1	40666.2	2.60333	49.6668	77.1	13812.1
Dec., 1999	80.7	40746.9	2.60323	47.756	73.8	13885.9
Jan., 2000	72.9	40819.8	2.35161	52.4042	80.3	13966.2
Feb., 2000	65.1	40884.9	2.24483	54.906	79.3	14045.5
Mar., 2000	56.4	40941.3	1.85171	59.001	81.2	14126.7
Apr., 2000	62.3	41003.6	2.15758	55.3296	77.2	14203.9
May., 2000	64	41067.6	2.15428	55.8816	81.1	14285
Jun., 2000	56.2	41123.8	1.97482	59.4995	82.6	14367.6
Jul., 2000	56.9	41180.7	1.93702	63.0896	97.3	14464.9
Aug., 2000	61.6	41242.3	2.0087	57.2708	82.6	14547.5
Sep., 2000	57.5	41299.8	1.9382	59.2958	83.8	14631.3

APPENDIX B

2000 INDIVIDUAL WELL PRODUCTION DATA

TUNDRA OIL AND GAS LTD.
Fluid Production Report
Year: 2000

WELL: 12131029W1 DAILY 12-13-10-29 WPM (UNIT #1)

MONTH	M3 OIL / DAY	M3 OIL / MTH	M3 H2O / MTH	M3 FLUID / MONTH	% H2O	# DAYS OF PROD./MTH	M3 FLUID / DAY	PROD. TEST OIL	WTR	HRS	DATE
01	0.23	7.0	52.4	59.4	88.22	31	1.93	0.23	1.89	24.0	26
02	0.18	5.3	50.9	56.2	90.57	29	1.94	0.19	1.92	24.0	7
03	0.21	6.6	51.1	57.7	88.56	31	1.86	0.38	1.71	24.0	17
04	0.26	7.2	46.6	53.8	86.62	28	1.92	0.27	1.81	24.0	16
05	0.25	7.7	48.1	55.8	86.2	31	1.8	0.26	1.77	24.0	10
06	0.26	7.9	43.2	51.1	84.54	30	1.7	0.28	1.74	24.0	3
07	0.29	8.7	45.4	54.1	83.92	30	1.8	0.32	1.81	24.0	17
08	0.31	9.5	45.3	54.8	82.66	31	1.77	0.35	1.68	24.0	10
09	0.29	8.7	43.1	51.8	83.2	30	1.73	0.31	1.74	24.0	6
10	0.33	10.3	41.6	51.9	80.15	31	1.68	0.35	1.61	24.0	3
11	0.28	8.5	47.1	55.6	84.71	30	1.85	0.29	1.64	24.0	12
12	0.26	8.2	49.2	57.4	85.71	31	1.85	0.26	1.57	24.0	26
	0.26	95.6	564.0	659.6	85.51	363	1.82				

TUNDRA OIL AND GAS LTD.
Fluid Production Report
Year: 2000

WELL: 13131029B1 DAILY 13-13-10-29 WPM (BAKKEN)

MONTH	M3 OIL / DAY	M3 OIL / MTH	M3 H2O / MTH	M3 FLUID / MONTH	% H2O	# DAYS OF PROD./MTH	M3 FLUID / DAY	PROD. TEST OIL	WTR	HRS	DATE
01	0.0	0.0	4.3	4.3	100.0	10	0.42	0.0	0.48	24.0	12
02	0.0	0.0	6.0	6.0	100.0	13	0.45	0.0	0.48	24.0	11
03	0.0	0.0	6.3	6.3	100.0	14	0.44				
04	0.0	0.0	6.1	6.1	100.0	14	0.44	0.0	0.48	24.0	26
05	0.0	0.0	3.3	3.3	100.0	8	0.42				
06	0.0	0.0	1.2	1.2	100.0	3	0.38	0.0	0.48	24.0	1
07	0.0	0.0	0.4	0.4	100.0	2	0.24	0.0	0.32	24.0	26
08	0.0	0.0	0.6	0.6	100.0	2	0.3	0.0	0.32	24.0	22
09	0.0	0.0	0.8	0.8	100.0	3	0.3	0.0	0.36	24.0	15
10	0.0	0.0	0.7	0.7	100.0	2	0.34	0.0	0.41	24.0	14
11	0.0	0.0	2.4	2.4	100.0	14	0.18	0.0	0.1	24.0	10
12	0.0	0.0	2.9	2.9	100.0	14	0.2	0.0	0.46	24.0	23
	0.0	0.0	35.0	35.0	100.0	99	0.35				

TUNDRA OIL AND GAS LTD.
Fluid Production Report
Year: 2000

WELL: 13131029L1 DAILY 13-13-10-29 WPM (LODGEPOLE)

MONTH	M3 OIL / DAY	M3 OIL / MTH	M3 H2O / MTH	M3 FLUID / MONTH	% H2O	# DAYS OF PROD./MTN	M3 FLUID / DAY	PROD. TEST OIL	WTR	HRS	DATE
01	0.0	0.0	245.9	245.9	100.0	10	23.8	0.0	26.88	24.0	12
02	0.0	0.0	326.1	326.1	100.0	13	24.23	0.0	26.16	24.0	11
03	0.0	0.0	343.0	343.0	100.0	14	24.07				
04	0.0	0.0	335.1	335.1	100.0	14	24.3	0.0	26.16	24.0	25
05	0.0	0.0	179.3	179.3	100.0	8	22.77				
06	0.0	0.0	64.0	64.0	100.0	3	20.48	0.0	24.72	24.0	1
07	0.0	0.0	39.9	39.9	100.0	2	23.94	0.0	28.32	24.0	26
08	0.0	0.0	47.1	47.1	100.0	2	23.55	0.0	26.72	24.0	22
09	0.0	0.0	58.3	58.3	100.0	3	21.86	0.0	25.68	24.0	15
10	0.0	0.0	43.2	43.2	100.0	2	20.74	0.0	24.41	24.0	14
11	0.0	0.0	207.1	207.1	100.0	14	15.29	0.0	12.59	24.0	10
12	0.0	0.0	231.9	231.9	100.0	14	16.37	0.0	26.23	24.0	23
	0.0	0.0	2120.9	2120.9	100.0	99	21.43				

TUNDRA OIL AND GAS LTD.
Fluid Production Report
Year: 2000

WELL: 01231029W1 DAILY 1-23-10-29 WPM (UNIT #1)

MONTH	M3 OIL / DAY	M3 OIL / MTH	M3 H2O / MTH	M3 FLUID / MONTH	% H2O	# DAYS OF PROD./MTH	M3 FLUID / DAY	PROD. TEST OIL	WTR	HRS	DATE
01	1.41	43.4	10.5	53.9	19.48	31	1.75	1.52	0.38	24.0	19
02	1.39	40.3	10.1	50.4	20.04	29	1.74				
03	1.13	35.0	12.4	47.4	26.16	31	1.53	1.57	0.58	24.0	23
04	1.4	40.6	15.6	56.2	27.76	29	1.94				
05	1.44	41.8	12.4	54.2	22.88	29	1.87	1.45	0.38	24.0	19
06	1.35	37.8	10.0	47.8	20.92	28	1.71	1.38	0.75	24.0	27
07	1.26	36.5	17.4	53.9	32.28	29	1.86	1.26	0.68	24.0	12
08	1.37	42.4	11.5	53.9	21.34	31	1.74	1.38	0.48	24.0	30
09	1.3	39.1	12.8	51.9	24.66	30	1.73	1.42	0.53	24.0	11
10	1.34	41.5	12.4	53.9	23.01	31	1.74	1.38	0.46	24.0	12
11	1.21	36.1	15.2	51.3	29.63	30	1.71	1.27	0.54	24.0	5
12	1.24	38.5	16.5	55.0	30.0	31	1.77				
	1.32	473.0	156.8	629.8	24.9	359	1.76				

TUNDRA OIL AND GAS LTD.
Fluid Production Report
Year: 2000

WELL: 02231029W1 DAILY 2-23-10-29 WPM (UNIT #1)

MONTH	M3 OIL / DAY	M3 OIL / MTH	M3 H2O / MTH	M3 FLUID / MONTH	% H2O	# DAYS OF PROD./MTH	M3 FLUID / DAY	PROD. TEST OIL	WTR	HRS	DATE
01	0.73	22.5	13.1	35.6	36.8	31	1.15	0.74	0.46	24.0	22
02	0.67	19.5	12.3	31.8	38.68	29	1.1				
03	0.51	14.8	11.4	26.2	43.51	29	0.9	0.56	0.33	24.0	23
04	0.5	14.5	8.9	23.4	38.03	29	0.81				
05	0.47	14.5	17.3	31.8	54.4	31	1.03	0.39	1.07	24.0	19
06	0.36	10.5	28.2	38.7	72.87	29	1.33	0.37	1.56	24.0	27
07	0.39	11.7	34.1	45.8	74.45	30	1.53	0.42	1.22	24.0	12
08	0.33	9.7	25.2	34.9	72.21	29	1.2	0.38	1.14	24.0	30
09	0.35	9.7	27.1	36.8	73.64	28	1.31	0.37	1.17	24.0	11
10	0.4	12.1	27.3	39.4	69.29	30	1.32	0.45	1.05	24.0	12
11	0.43	12.5	29.6	42.1	70.31	29	1.45	0.46	1.06	24.0	5
12	0.35	11.0	34.2	45.2	75.66	31	1.46	0.36	1.12	24.0	3
	0.46	163.0	268.7	431.7	62.24	355	1.22				

APPENDIX C

INDIVIDUAL WELL ULTIMATE RECOVERY PREDICTIONS

00/12-13-010-29W1/0 (Tundra North Ebor Unit No. 1 12-13-10-29W1) Data 03/88-12/00

Operator:

Field: 1

Zone: 60D

Type: Unknown

Group: neborun1

Avg Daily Oil FC 1 (Rate-Time)

qi: 0.389968 m3/d, Nov, 1994

qf: 0.149984 m3/d, Nov, 2012

di(Hyp): 6.42259 CTD: 6717.8 m3

RR: 804.334 m3 Tot: 7522.13 m3

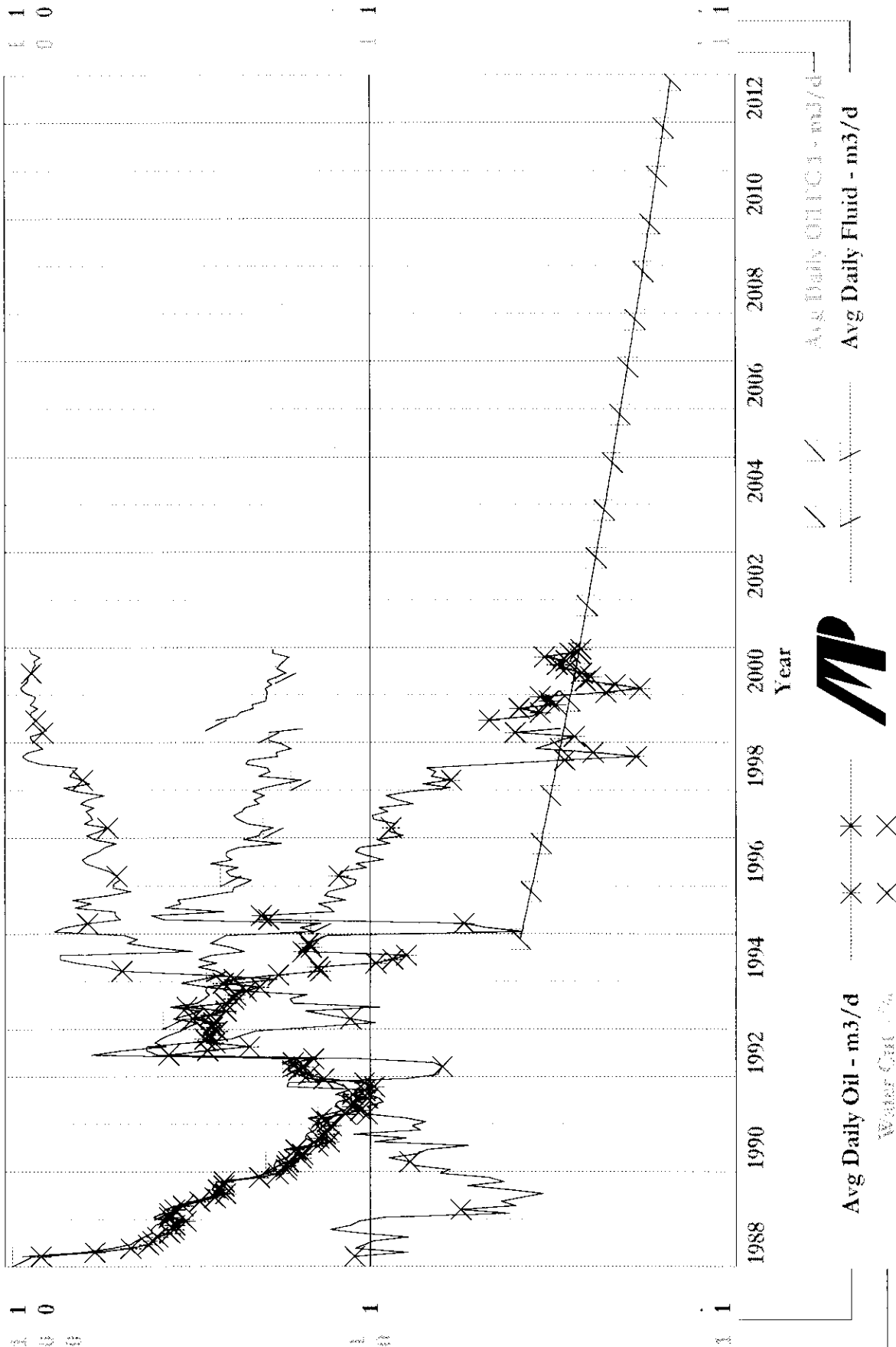
Production Cums

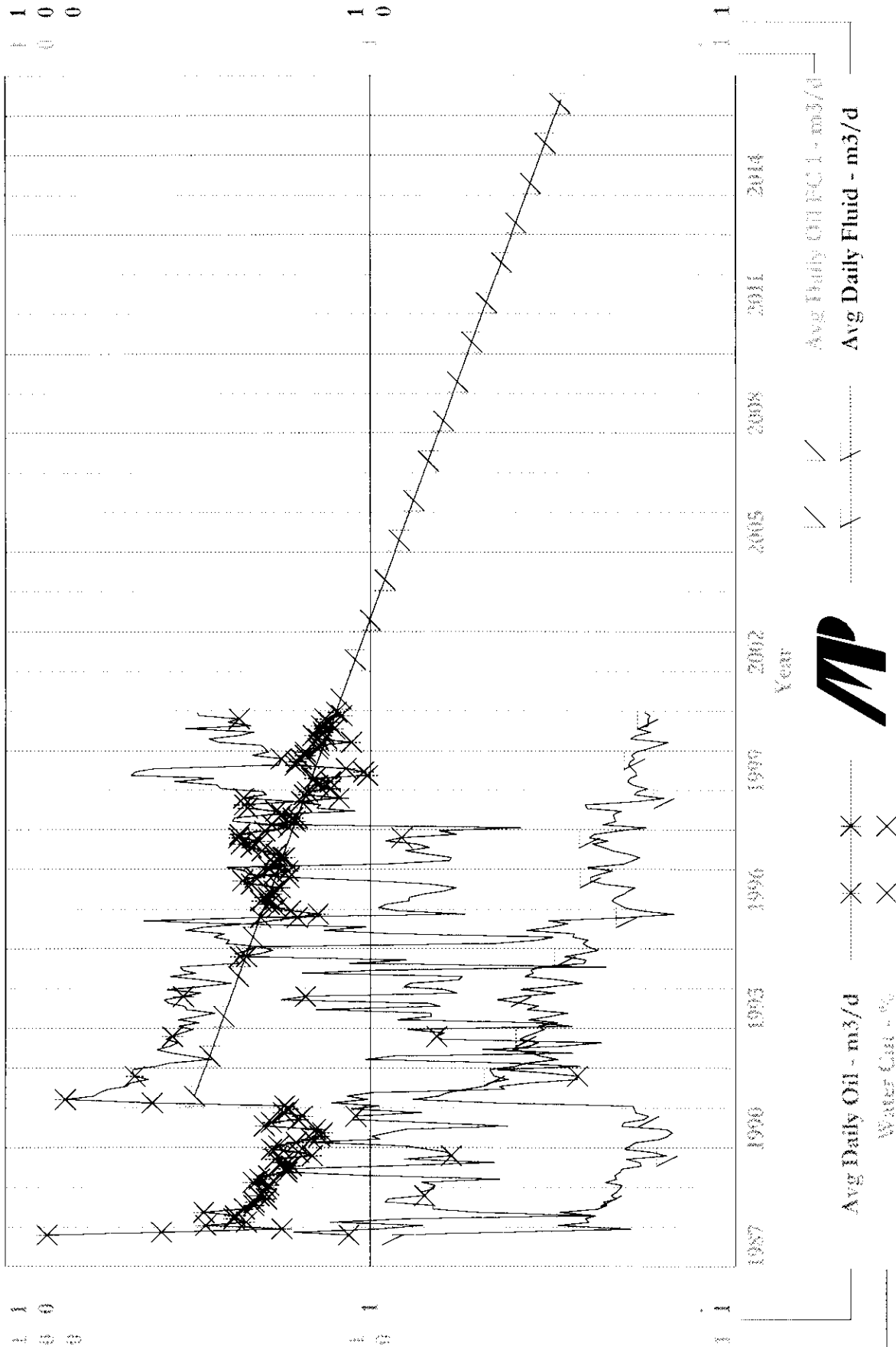
Oil: 6717.8 m3

Gas: 0 E6m3

Water: 4076.3 m3

Cond: 0 m3



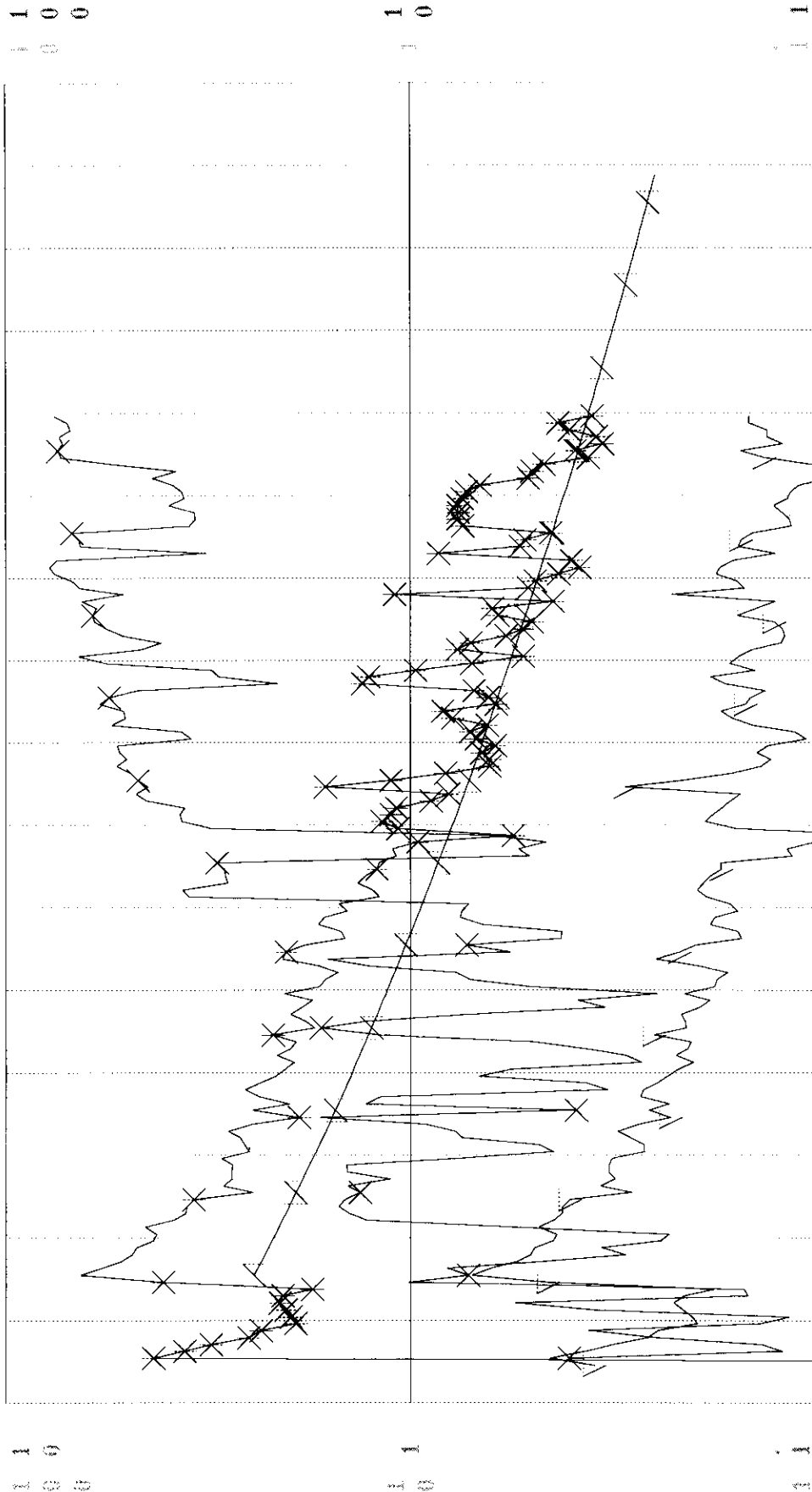
[illegible]

Oilfield Production Data - 1980-2003

Operator: **Operator**
 Field: **Field**
 Zone: **Zone**
 Type: **Type**
 Group: **Group**

Production Data:
 Oil: 57,149 m3
 Gas: 0 m3
 Water: 1,247,794 m3
 Cond: 0 m3

Oil: 57,149 m3
 Gas: 0 m3
 Water: 1,247,794 m3
 Cond: 0 m3



Year



Avg Daily Oil - m3/d
 Water Cut - %

Avg Daily DRPC - m3/d
 Avg Daily Fluid - m3/d

APPENDIX D

9-14-10-29 HISTORICAL INJECTION DATA

Production Report

Group : neborun1	Date : July 19, 2006 11:17:37 am
Well : Tundra North Ebor Unit No. 1 WIW 09-14-10-29	User : George
: 00/09-14-010-29W1/0	
Hist.Data : 02/88-12/99	On Prod : 02/09
Operator :	Status : Unknown
Field : 1	Zone : 60D

Production Data from January, 1994 to December, 1999

Year	Month Water Inj m3	Cal Day Water Inj m3/d	Cum Water Inj m3
Jan., 1994			
Feb., 1994	234.899	8.38926	234.899
Mar., 1994	655.099	21.1322	889.999
Apr., 1994	634.3	21.1433	1524.3
May., 1994	660.001	21.2903	2184.3
Jun., 1994	635.3	21.1767	2819.6
Jul., 1994	587.499	18.9516	3407.1
Aug., 1994	329.4	10.6258	3736.5
Sep., 1994	183.9	6.13	3920.4
Oct., 1994	405.501	13.0807	4325.9
Nov., 1994	475	15.8333	4800.9
Dec., 1994	401.401	12.9484	5202.3
Jan., 1995	252.2	8.13547	5454.5
Feb., 1995			
Mar., 1995	504.501	16.2742	5959
Apr., 1995	119.9	3.99665	6078.9
May., 1995	510.401	16.4645	6589.3
Jun., 1995	382.5	12.75	6971.8
Jul., 1995	374.9	12.0936	7346.7
Aug., 1995	322.701	10.4097	7669.4
Sep., 1995	369.101	12.3034	8038.5
Oct., 1995	349.801	11.2839	8388.3
Nov., 1995	316.4	10.5467	8704.7
Dec., 1995	305.9	9.86773	9010.6
Jan., 1996	306.2	9.87743	9316.8
Feb., 1996	260.6	8.98621	9577.4
Mar., 1996	114.1	3.68064	9691.5
Apr., 1996	134.999	4.49998	9826.5
May., 1996	332.5	10.7258	10159
Jun., 1996	247.6	8.25334	10406.6
Jul., 1996	217.2	7.00645	10623.8
Aug., 1996	193.2	6.23227	10817
Sep., 1996	189	6.30001	11006
Oct., 1996	168.001	5.41937	11174
Nov., 1996	213	7.09999	11387
Dec., 1996	222.2	7.16774	11609.2
Jan., 1997	218.601	7.05163	11827.8

Production Report

Group : neborun1 Date : July 19, 2006 11:17:37 am
 Well : Tundra North Ebor Unit No. 1 WIW 09-14-10-29 User : George
 : 00/09-14-010-29W1/0

Production Data from January, 1994 to December, 1999 (cont.)

Year	Month Water Inj m3	Cal Day Water Inj m3/d	Cum Water Inj m3
Feb., 1997	157.001	5.60717	11984.8
Mar., 1997	431.799	13.929	12416.6
Apr., 1997	450.6	15.02	12867.2
May., 1997			
Jun., 1997	298	9.93334	13165.2
Jul., 1997	12.4004	0.400014	13177.6
Aug., 1997			
Sep., 1997			
Oct., 1997			
Nov., 1997			
Dec., 1997	299.8	9.67096	13477.4
Jan., 1998	389.9	12.5774	13867.3
Feb., 1998	159.001	5.6786	14026.3
Mar., 1998	0	0	14026.3
Apr., 1998	0	0	14026.3
May., 1998	0	0	14026.3
Jun., 1998	80.2006	2.67335	14106.5
Jul., 1998	376.7	12.1516	14483.2
Aug., 1998	377.6	12.1806	14860.8
Sep., 1998	23.0998	0.769993	14883.9
Oct., 1998	0	0	14883.9
Nov., 1998	0	0	14883.9
Dec., 1998	0	0	14883.9
Jan., 1999	0	0	14883.9
Feb., 1999	0	0	14883.9
Mar., 1999	0	0	14883.9
Apr., 1999	0	0	14883.9
May., 1999	0	0	14883.9
Jun., 1999	0	0	14883.9
Jul., 1999	0	0	14883.9
Aug., 1999	0	0	14883.9
Sep., 1999	0	0	14883.9
Oct., 1999	0	0	14883.9
Nov., 1999	0	0	14883.9
Dec., 1999	0	0	14883.9

APPENDIX E

16-14-10-29 HISTORICAL INJECTION DATA

Production Report

Group : neborun1	Date : July 19, 2006 11:19:00 am
Well : Tundra North Ebor Unit No. 1 WIW 16-14-10-2	User : George
: 00/16-14-010-29W1/0	
Hist.Data : 06/87-12/00	On Prod : 02/09
Operator :	Status : Unknown
Field : 1	Zone : 60D

Production Data from January, 1990 to December, 2000

Year	Month Water Inj m3	Cal Day Water Inj m3/d	Cum Water Inj m3
Jan., 1990			
Feb., 1990			
Mar., 1990			
Apr., 1990			
May., 1990			
Jun., 1990			
Jul., 1990	572.6	18.471	572.6
Aug., 1990	651.7	21.0226	1224.3
Sep., 1990	555.1	18.5033	1779.4
Oct., 1990	664.6	21.4387	2444
Nov., 1990	419.9	13.9967	2863.9
Dec., 1990	644.1	20.7774	3508
Jan., 1991	716.7	23.1194	4224.7
Feb., 1991	647.7	23.1321	4872.4
Mar., 1991	615.8	19.8645	5488.2
Apr., 1991	614.6	20.4867	6102.8
May., 1991	529	17.0645	6631.8
Jun., 1991	341	11.3667	6972.8
Jul., 1991	42.1	1.35806	7014.9
Aug., 1991	400.6	12.9226	7415.5
Sep., 1991	324.2	10.8067	7739.7
Oct., 1991	258.2	8.32903	7997.9
Nov., 1991	338.7	11.29	8336.6
Dec., 1991	638.1	20.5839	8974.7
Jan., 1992	601.3	19.3968	9576
Feb., 1992	572.5	19.7414	10148.5
Mar., 1992	651.9	21.029	10800.4
Apr., 1992	634	21.1333	11434.4
May., 1992	646.8	20.8645	12081.2
Jun., 1992	553.2	18.44	12634.4
Jul., 1992	637.7	20.571	13272.1
Aug., 1992	652.5	21.0484	13924.6
Sep., 1992	627.1	20.9033	14551.7
Oct., 1992	649.6	20.9548	15201.3
Nov., 1992	329.9	10.9967	15531.2
Dec., 1992	492.7	15.8935	16023.9
Jan., 1993	590.4	19.0452	16614.3

Production Report

Group : neborun1	Date : July 19, 2006 11:19:00 am
Well : Tundra North Ebor Unit No. 1 WIW 16-14-10-2	User : George
: 00/16-14-010-29W1/0	

Production Data from January, 1990 to December, 2000 (cont.)

Year	Month Water Inj m3	Cal Day Water Inj m3/d	Cum Water Inj m3
Feb., 1993	578.7	20.6679	17193
Mar., 1993	621.3	20.0419	17814.3
Apr., 1993	598.9	19.9633	18413.2
May., 1993	641.3	20.6871	19054.5
Jun., 1993	614.4	20.48	19668.9
Jul., 1993	625.1	20.1645	20294
Aug., 1993	548	17.6774	20842
Sep., 1993	606	20.2	21448
Oct., 1993	637.1	20.5516	22085.1
Nov., 1993	612.9	20.43	22698
Dec., 1993	630.7	20.3452	23328.7
Jan., 1994	623.1	20.1	23951.8
Feb., 1994	321.6	11.4857	24273.4
Mar., 1994	82.5	2.66129	24355.9
Apr., 1994	255.8	8.52667	24611.7
May., 1994	448	14.4516	25059.7
Jun., 1994	461.6	15.3867	25521.3
Jul., 1994	397.6	12.8258	25918.9
Aug., 1994	240.9	7.77097	26159.8
Sep., 1994	343.7	11.4567	26503.5
Oct., 1994	430.4	13.8839	26933.9
Nov., 1994	398.4	13.28	27332.3
Dec., 1994	192.2	6.2	27524.5
Jan., 1995	225.9	7.2871	27750.4
Feb., 1995	418.6	14.95	28169
Mar., 1995			
Apr., 1995	224.2	7.47333	28393.2
May., 1995	409.2	13.2	28802.4
Jun., 1995	421.3	14.0433	29223.7
Jul., 1995	419.4	13.529	29643.1
Aug., 1995	456.4	14.7226	30099.5
Sep., 1995	410.6	13.6867	30510.1
Oct., 1995	397	12.8065	30907.1
Nov., 1995	412.5	13.75	31319.6
Dec., 1995	453.8	14.6387	31773.4
Jan., 1996	417.8	13.4774	32191.2
Feb., 1996	397.9	13.7207	32589.1
Mar., 1996	418.8	13.5097	33007.9
Apr., 1996	437	14.5667	33444.9
May., 1996	455.9	14.7065	33900.8
Jun., 1996	427.8	14.26	34328.6

Production Report

Group	: neborun1	Date	: July 19, 2006 11:19:00 am
Well	: Tundra North Ebor Unit No. 1 WIW 16-14-10-2	User	: George
	: 00/16-14-010-29W1/0		

Production Data from January, 1990 to December, 2000 (cont.)

Year	Month Water Inj	Cal Day Water Inj	Cum Water Inj
	m3	m3/d	m3
Jul., 1996	290	9.35484	34618.6
Aug., 1996	432.4	13.9484	35051
Sep., 1996	443.3	14.7767	35494.3
Oct., 1996	375.3	12.1065	35869.6
Nov., 1996	429.5	14.3167	36299.1
Dec., 1996	440	14.1935	36739.1
Jan., 1997	460.7	14.8613	37199.8
Feb., 1997	376.5	13.4464	37576.3
Mar., 1997	326.6	10.5355	37902.9
Apr., 1997	371	12.3667	38273.9
May., 1997	386.2	12.4581	38660.1
Jun., 1997	364.4	12.1467	39024.5
Jul., 1997	352	11.3548	39376.5
Aug., 1997	379.6	12.2452	39756.1
Sep., 1997	358.4	11.9467	40114.5
Oct., 1997	348.5	11.2419	40463
Nov., 1997	363.5	12.1167	40826.5
Dec., 1997	352.6	11.3742	41179.1
Jan., 1998	363.1	11.7129	41542.2
Feb., 1998	320.4	11.4429	41862.6
Mar., 1998	338.1	10.9065	42200.7
Apr., 1998	313.8	10.46	42514.5
May., 1998	319.6	10.3097	42834.1
Jun., 1998	267.1	8.90333	43101.2
Jul., 1998	362.9	11.7065	43464.1
Aug., 1998	350.1	11.2935	43814.2
Sep., 1998	333.1	11.1033	44147.3
Oct., 1998	355.4	11.4645	44502.7
Nov., 1998	339.8	11.3267	44842.5
Dec., 1998	351	11.3226	45193.5
Jan., 1999	367.9	11.8677	45561.4
Feb., 1999	333.7	11.9179	45895.1
Mar., 1999	369.8	11.929	46264.9
Apr., 1999	357.7	11.9233	46622.6
May., 1999	186.1	6.00323	46808.7
Jun., 1999	0	0	46808.7
Jul., 1999	0	0	46808.7
Aug., 1999	0	0	46808.7
Sep., 1999	0	0	46808.7
Oct., 1999	0	0	46808.7
Nov., 1999	0	0	46808.7

Production Report

Group : neborun1 Date : July 19, 2006 11:19:00 am
Well : Tundra North Ebor Unit No. 1 WIW 16-14-10-2 User : George
: 00/16-14-010-29W1/0

Production Data from January, 1990 to December, 2000 (cont.)

Year	Month Water Inj m3	Cal Day Water Inj m3/d	Cum Water Inj m3
Dec., 1999	0	0	46808.7
Jan., 2000	249.4	8.04516	47058.1
Feb., 2000	343.1	11.831	47401.2
Mar., 2000	363.6	11.729	47764.8
Apr., 2000	350.5	11.6833	48115.3
May., 2000	158.1	5.1	48273.4
Jun., 2000	0	0	48273.4
Jul., 2000	0	0	48273.4
Aug., 2000	0	0	48273.4
Sep., 2000	0	0	48273.4
Oct., 2000	0	0	48273.4
Nov., 2000	283.8	9.46	48557.2
Dec., 2000	322.6	10.4065	48879.8