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TUNDRA OIL AND GAS LTD.

2000

CROMER UNIT NO. 1

PROGRESS REPORT

January 1 – December 31, 2000

APRIL, 2001

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INTRODUCTION

Cromer Unit No.1 was unitized in June, 1998 for the purposes of pressure maintenance in the Bakken formation. Water injection commenced during January, 1999 through well 11-14-9-28. Table No.2 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

Bakken oil production averaged 10 m3/day during the month of January, 2000 and remained relatively unchanged at 10.4 m3/day during December, 2000. There was no decline in oil production during the 2000 operating year. Table No.4 summarizes the 2000 Bakken production statistics in the Unit. Attachment No.1 outlines the Bakken historical production in the Unit.

Unit water-cut at the beginning of 2000 was 36% and by year end increased to 39%. Attachment No.3 summarizes the 2000 production data of the individual wells in the Unit. Figure No.2 outlines the historical Bakken production in the Unit.

Remaining recoverable oil reserves of 25,351 m3 (159 M STB) are estimated from the Unit at 2000.12.31. This will represent an ultimate oil recovery of 58,302 m3 or 33.5% of the total Bakken oil-in-place. For the short period of time that the Bakken formation has been on waterflood operations, this represents an attractive forecasted ultimate recovery from the Bakken formation in the Unit. Figure No.2 outlines the ultimate oil recovery forecasted from the Bakken formation in the Unit at 2000-12-31.

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2. Reserves

The total oil-in-place in the Bakken formation in the Unit is estimated at 174,274 m3 (1.1 MM STB). 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 18.9% of the total oil-in-place. Ultimate oil recovery in the Unit at 2000-12-31 is forecasted to be 33.5% of oil-in-place. Since it is early in the life of the waterflood operation, it is expected that this forecasted ultimate oil recovery will increase as the waterflood matures, and as more injectors are added in the Unit. Table No.5 outlines the current and ultimate oil recoveries of the individual wells in the Unit. Attachment No.2 outlines the individual well ultimate oil recovery prediction plots.

4. Injector Performance

Figure No.3 outlines the wellhead injection pressures vs cumulative injection volume for injection well 11-14-9-28. From the beginning of injection, wellhead injection pressures have continued to increase over the cumulative injection period. This is a characteristic feature of a Bakken waterflood. This performance is attributable to low matrix permeability associated with the Bakken formation. As a result, high injection pressures will result due to the low mobility ratio of the Bakken formation. This phenomenon was identified from relative permeability testing. Therefore, 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.

A Hall Plot was also prepared for injection well 11-14-9-28 to confirm that injection cannot be improved with further remedial programs. Figure No.4 outlines the Hall Plot for injector 11-14-9-28. Although it is still early in the injection life of 11-14, the initial injection profile is characteristic of a

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Bakken waterflood. Basically, there will be no significant change in the slope of the injection profile during the majority of the life of the waterflood operation. Although there appears to be a slope change after 5,000 m3 of cumulative injection, once the waterflood matures, it will be difficult to establish a significant change in the injection profile. Table No.8 outlines the historical injection data that was used to derive the Hall Plot for injector 11-14-9-28.

In summary, cumulative injection to 2000-12-31 was 15,587.2 m3. The average annual daily injection rate during 2000 averaged 31 m3/day. Table No.6 summarizes the injection data for 2000. Attachment No.4 and No.5 outline the historical injection plot and injection data, respectively for well 11-14-9-28.

5. Voidage Replacement

Table No.7 outlines the voidage calculations for the Unit during 2000. Based on operating Year 2000, an annual voidage replacement ratio of 1.95 was achieved in the Unit. Injection rates were increased during 2000 to meet voidage replacement requirements in the Unit. Cumulative voidage replacement ratio of 0.35 Rm3/Rm3 has been achieved in the Unit to 2000-12-31.

6. Individual Well Performance

A review of the production performance of each of the producing wells is presented here-after. The analysis is referenced to the wells outlined in Attachments No.2 and No.3.

a. 16-11-9-28

Oil production during January, 2000 averaged 1.7 m3/day at a water-cut of 18%. By December, 2000 oil production averaged 1.4 m3/day at a water-cut of 32%. The decline in oil production is attributable to a lack of pressure maintenance in this part of the Unit. No corrective work is planned for this well during 2001.

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b. 12-12-9-28

Oil production during January, 2000 averaged 1 m3/day at a water-cut of 24%. By December, 2000 oil production averaged 0.84 m3/day at a water-cut of 14%. The decrease in oil production is attributable to either a bottom-hole pump problem, or natural decline since there is no pressure maintenance in this area of the Unit. There could also be interference occurring between 12-12-9-28 and 16-11-9-28. No corrective work is planned at 12-12 during 2001 other than taking fluid levels to ensure that the bottom-hole pump is working properly.

c. 2-14-9-28

Oil production during January, 2000 averaged 1.68 m3/day at a water-cut of 24%. By December, 2000 oil production averaged 3.32 m3/day at a water-cut of 17%. The increase in oil production during 2000 is attributable to waterflood response from injector 11-14-9-28. This observation is supported by both a significant increase in total fluid production, plus a decrease in the water-cut. The 2-14 well has also historically indicated strong production performance, which is attributable to drainage over a large area of the Unit. As a result, well 2-14 would quite likely be a good injector candidate to provide pressure maintenance in the future in the southern sector of the Unit. Conversion to injection operations will occur once the oil rate has declined at this location. No corrective work is planned at 2-14 during 2001.

d. 6-14-9-28

Oil production during January, 2000 averaged 1.25 m3/day at a water-cut of 69%. By December, 2000 oil production averaged 1 m3/day at a water-cut of 73%. The 6-14 well is commingled with Lodgepole production and may be receiving some flood support from this formation. However, it is quite likely that 6-14 is also receiving waterflood support from injector 11-14 due to a flattening in the total fluid production, with an increasing water-cut. No corrective work is planned at 6-14 during 2001.

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e. 10-14-9-28

Oil production during January, 2000 averaged 0.55 m3/day at a water-cut of 25%. By December, 2000 oil production averaged 0.58 m3/day at a water-cut of 30%. The flattening of the total fluid production profile and the increase in water-cut is attributable to waterflood response from injector 11-14-9-28. No corrective work is planned at 10-14 during the balance of 2001.

f. 11-14-9-28

The 11-14-9-28 well was converted to injection service during December, 1998. The 11-14-9-28 well was selected as an injector, since it was best suited to provide pressure maintenance operations in the central area of the Unit. The injection rate at 11-14 was increased during 2000 to more effectively replace voidage in the Unit. No other work is planned at 11-14 during 2001.

g. **13-14-9-28**

Oil production during January,2000 averaged 0.43 m3/day at a water-cut of 39%. By December, 2000 oil production averaged 0.24 m3/day at a water-cut of 63%. The 13-14 well has always been a marginal Bakken producer and does not appear at this time to be receiving waterflood support from injector 11-14-9-28. No corrective work is planned at this location during 2001.

h. **14-14-9-28**

Oil production during January, 2000 averaged 1.74 m3/day at a water-cut of 16%. By December, 2000 oil production averaged 2.31 m3/day at a water-cut of 17%. The increase in oil production at 14-14 commenced in early 1999 and is directly attributable to waterflood support from injector 11-14. This observation is also supported by an increase in total fluid production after injector 11-14 went into service. To date 14-14 has indicated the best waterflood support in the Unit. Additional production potential exists at 14-14 by hydraulically fracturing the Lodgepole. This program has been

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deferred, since it may impact the waterflood operation at 14-14. No corrective work is planned at 14-14 during 2001.

i. 2-23-9-28

Oil production during January, 2000 averaged 0.19 m3/day at a water-cut of 36%. By December, 2000 oil production averaged 0.15 m3/day at a water-cut of 60%. The 2-23 well is located in the northern sector of the Unit and has always been a marginal well (pool edge well). The Bakken formation at this location is currently commingled with the Lodgepole formation, which makes this location economic to operate. There is no pressure maintenance being provided to the 2-23 well at this time. No corrective work is planned at this location during 2001.

j. 4-23-9-28

Oil production during January, 2000 averaged 0.32 m3/day at a water-cut of 0%. By December, 2000 oil production averaged 0.26 m3/day at water-cut of 0%. Like 2-23-9-28, well 4-23-9-28 has historically been a marginal producer, and is also a pool edge well. The 4-23 well is commingled with the Lodgepole formation, which makes it economic to operate at these low oil rates. At this time, the 4-23 well is not receiving any pressure maintenance. No corrective work is planned at 4-23 during 2001.

k. 6-23-9-28

Oil production during January, 2000 averaged 1.23 m3/day at a water-cut of 29%. By December, 2000 oil production averaged 0.54 m3/day at a water-cut of 74%. The 6-23 Bakken production is commingled with the Lodgepole production and is probably receiving water influx from the Lodgepole formation due to a recent hydraulic fracture treatment of the Lodgepole formation. This would explain the significant increase in water-cut during 2000, and corresponding decline in oil production. It is not certain at this time whether water influx from the Lodgepole has pressure maintenance benefits in improving Bakken oil recovery. Fracturing the Lodgepole formation at 6-23 has resulted in a significant improvement in the oil

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productivity from this well. No further corrective work is planned in the Bakken during 2001.

7. 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. Manitoba Petroleum Branch, has waived the requirement of conducting annual pressure 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.

8. Summary

The Bakken waterflood in Cromer Unit No.1 is still in it's early stages of operation. To date, improved oil recovery has been noted at 2-14, 6-14, 10-14, and at 14-14-9-28 after injector 11-14 went into service in January, 1999. The pool is currently developed on 80 acre spacing, and it is evident from the forecasted ultimate recovery projections that some wells are draining in excess of this development area. Water injection was increased in 2000 to improve voidage replacement in the central sector of the Unit. To date, the average Bakken well in the Unit has recovered 18.8 M STB to 2000-12-31. Ultimate oil recovery per well is forecasted to be 33.3 M STB.

CONCLUSIONS

The following conclusions are offered by Tundra Oil and Gas Ltd. in our efforts to maximize oil recovery from the Cromer 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.

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2. Tundra will consider installing a second injector in the southern sector of the Unit at 2-14-9-28, once oil production declines at this location.

3. Fracturing of the Lodgepole formation in 14-14-9-28 will be deferred until the Bakken formation becomes marginal. There is a concern that this type of stimulation may unfavourably impact the waterflood operation at this location.

4. As previously stated, conventional pressure buildup tests have been discontinued in the Unit, since extended shut-in times are required to obtain reliable estimates of formation parameters. The extended shut-in times would result in too much postponed production, which would negatively impact 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.

LIST OF TABLES

TABLE NO.1
BAKKEN 'I' POOL FLUID PARAMETERS

BAKKEN 'I' POOL	
Reservoir Temperature	31 deg. C
Bubble Point Pressure	2,101 kPag
Oil API	41 deg. API
Boi	1.063 Rm3/m3
Solution GOR	27 m3/m3
Oil Compressibility @ Pi	1.15 E-6 (1/kPa)
Water Compressibility	4.5 E-7 (1/kPa)
Rock Compressibility	5.8 e-7 (1/kPa)
Water Salinity	90,000 ppm

TABLE NO.2
CROMER UNIT NO.1

TOTAL UNIT WELLS	WELL STATUS
16-11-9-28 W1M	OIL WELL
12-12-9-28 W1M	OIL WELL
2-14-9-28 W1M	OIL WELL
6-14-9-28 W1M	OIL WELL
10-14-9-28 W1M	OIL WELL
11-14-9-28 W1M	INJECTOR
13-14-9-28 W1M	OIL WELL
14-14-9-28W1M	OIL WELL
2-23-9-29 W1M	OIL WELL
4-23-9-28 W1M	OIL WELL
6-23-9-28 W1M	OIL WELL

TABLE NO.3

CROMER UNIT NO.1

VOLUMETRIC OIL-IN-PLACE ESTIMATES

BAKKEN 'I' POOL

LSD	Constant	Area (hectares)	Phi-h (% metres)	Sw (fraction)	(1-Sw) (fraction)	Boi (Rm3/m3)	OOIP (m3)	OOIP (STB)
9-11-9-28	10,000	16.19	6.1	0.45	0.55	1.05	5,173	32,539
15-11-9-28	10,000	16.19	9.5	0.45	0.55	1.05	8,056	50,675
16-11-9-28	10,000	16.19	8.79	0.45	0.55	1.05	7,454	46,888
12-12-9-28	10,000	16.19	4.4	0.45	0.55	1.05	3,731	23,471
1-14-9-28	10,000	16.19	10.82	0.45	0.55	1.05	9,176	57,716
2-14-9-28	10,000	16.19	11.8	0.45	0.55	1.05	10,007	62,944
6-14-9-28	10,000	16.19	9	0.45	0.55	1.05	7,632	48,008
7-14-9-28	10,000	16.19	11.9	0.45	0.55	1.05	10,092	63,477
8-14-9-28	10,000	16.19	11.39	0.45	0.55	1.05	9,659	60,757
9-14-9-28	10,000	16.19	8.6	0.45	0.55	1.05	7,293	45,874
10-14-9-28	10,000	16.19	9.9	0.45	0.55	1.05	8,396	52,809
11-14-9-28	10,000	16.19	11.7	0.45	0.55	1.05	9,922	62,410
12-14-9-28	10,000	16.19	7.3	0.45	0.55	1.05	6,191	38,940
13-14-9-28	10,000	16.19	9.2	0.45	0.55	1.05	7,802	49,075
14-14-9-28	10,000	16.19	14.3	0.45	0.55	1.05	12,127	76,279
15-14-9-28	10,000	16.19	9.5	0.45	0.55	1.05	8,056	50,675
1-23-9-28	10,000	16.19	3	0.45	0.55	1.05	2,544	16,003
2-23-9-28	10,000	16.19	8.2	0.45	0.55	1.05	6,954	43,741
3-23-9-28	10,000	16.19	13.3	0.45	0.55	1.05	11,279	70,945
4-23-9-28	10,000	16.19	10.4	0.45	0.55	1.05	8,820	55,476
5-23-9-28	10,000	16.19	9	0.45	0.55	1.05	7,632	48,008
6-23-9-28	10,000	16.19	7.4	0.45	0.55	1.05	6,276	39,473
TOTAL		**356.18**					**174,274**	**1,096,182**

NOTE: POROSITY CUT-OFF = 15%

TABLE NO. 4

CROMER UNIT NO.1

2000 BAKKEN PRODUCTION DATA

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
OIL (m3)	287.4	247.6	263.7	260.9	289.0	290.8	304.5	316.6	306.5	326.2	320.6	319.3
WATER (m3)	158.4	142.2	135.9	130.0	174.1	188.7	148.9	180.2	170.8	174.6	175.2	205.9
TOTAL FLUID (m3)	445.8	389.8	399.6	390.9	463.1	479.5	453.4	496.8	477.3	500.8	495.8	525.2
DAILY OIL (m3/day)	10.0	8.9	8.7	9.0	10.7	10.1	10.6	10.8	10.3	10.7	10.8	10.4
WATER-CUT (%)	35.5	36.5	34.0	33.2	37.6	39.3	32.8	36.2	35.8	34.9	35.3	39.2

AVERAGE MONTHLY OIL =	294.4	m3
AVERAGE MONTHLY WATER =	165.4	m3
AVERAGE MONTHLY TOTAL FLUID =	459.8	m3
AVERAGE ANNUAL DAILY OIL =	10.1	m3/day
AVERAGE MONTHLY WATER-CUT =	36.0	%
2000 CUM. OIL PRODUCTION(2000.12.31)	3,533.1	m3
2000 CUM.WATER PRODUCTION(2000.12.31	1,984.9	m3
CUM. OIL PRODUCTION TO 2000-12-31	32,951.5	m3

TABLE NO.5

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CROMER UNIT NO.1

CURRENT BAKKEN FLUID RATES, PRODUCTION, AND RECOVERY PROFILES

Well	LSD (undeveloped)	Oil Rate (m3/day) 2000-12-31	Water-cut (%) 2000-12-31	Total Rate (m3/day) 2000-12-31	Cum. Oil (m3) 2000-12-31	OOIP (m3)	Ultimate Rec. (m3)	Rem. Oil (m3) 2000-12-31	Cur. Rec. Fac. (% of OOIP) 2000-12-31	Ult. Rec. Fac (% of OOIP)
16-11-9-28		1.4	32	2.0	3,238.3	7,454	6,782	3,544	43.4	91.0
12-12-9-28		0.8	14	1.0	1,477.7	3,731	3,938	2,460	39.6	105.5
2-14-9-28		3.3	18	4.0	6,476.0	10,007	13,080	6,604	64.7	130.7
6-14-9-28		1.0	73	3.6	2,721.2	7,632	6,082	3,361	35.7	79.7
10-14-9-28		0.6	30	0.8	2,382.7	8,396	3,423	1,040	28.4	40.8
11-14-9-28		0.0	0	0.0	4,191.4	9,922	4,191	0	42.2	42.2
13-14-9-28		0.2	63	0.6	1,857.8	7,802	2,000	142	23.8	25.6
14-14-9-28		2.3	17	2.8	6,196.8	12,127	12,381	6,184	51.1	102.1
2-23-9-28		0.2	60	0.4	1,512.9	6,954	1,570	57	21.8	22.6
4-23-9-28		0.3	0	0.3	1,221.9	8,820	1,320	98	13.9	15.0
6-23-9-28		0.5	74	2.1	1,674.8	6,276	3,535	1,860	26.7	56.3
	9-11-9-28					5,173				
	15-11-9-28					8,056				
	1-14-9-28					9,176				
	7-14-9-28					10,092				
	8-14-9-28					9,659				
	9-14-9-28					7,293				
	12-14-9-28					6,191				
	15-14-9-28					8,056				
	1-23-9-28					2,544				
	3-23-9-28					11,279				
	5-23-9-28					7,632				
TOTALS		**10.6**	**39.6**	**17.5**	**32,952**	**174,272**	**58,302**	**25,351**	**18.9**	**33.5**

TABLE NO.6

CROMER UNIT NO.1

2000 WATER INJECTION SUMMARY

11-14-9-28 INJECTION WELL

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
TOTAL(m3)	336	659	1,105	1,030	892	1,002	902	1,072	1,066	1,116	971	1,055
DAILY(m3/day)	11	23	36	34	29	33	29	35	36	36	32	34

2000 AVERAGE ANNUAL DAILY INJECTION	31	m3/day
CUMULATIVE INJECTION TO 99-12-31 =	4,383	m3
TOTAL 2000 ANNUAL INJECTION(2000.12.3	11,205	m3
CUMULATIVE INJECTION TO 2000-12-31	15,587	m3

TABLE NO.7

CROMER UNIT NO.1

VOIDAGE CALCULATIONS

FROM January 1, 2000 TO December 31, 2000

OIL FORMATION VOLUME FACTOR = 1.063 Rm3

MONTH	OIL PRODUCTION	WATER PRODUCTION	OIL VOIDAGE	TOTAL VOIDAGE	TOTAL INJECTION	NET VOIDAGE	VOIDAGE REPLACEMENT RATIO
	m3	m3	Rm3	Rm3	Rm3	Rm3	VRR
JAN.	287.4	158.4	305.51	463.9	335.7	128	0.72
FEB.	247.6	142.2	263.20	405.4	658.7	-253	1.62
MAR.	263.7	135.9	280.31	416.2	1,105.3	-689	2.66
APRIL	260.9	130.0	277.34	407.3	1,029.5	-622	2.53
MAY	289.0	174.1	307.21	481.3	891.5	-410	1.85
JUNE	290.8	188.7	309.12	497.8	1,001.9	-504	2.01
JULY	304.5	148.9	323.68	472.6	902.1	-430	1.91
AUG.	316.6	180.2	336.55	516.7	1,072.2	-555	2.07
SEPT.	306.5	170.8	325.81	496.6	1,066.0	-569	2.15
OCT.	326.2	174.6	346.75	521.4	1,115.7	-594	2.14
NOV.	320.6	175.2	340.80	516.0	971.1	-455	1.88
DEC.	319.3	205.9	339.42	545.3	1,055.0	-510	1.93
TOTAL	3,533.1	1,985	3,756	5,741	11,205	-5,464	1.95

CUM. POOL VOIDAGE (2000.12.31) =	44,482	Rm3
CUM. POOL INJECTION (2000.12.31) =	15,587	Rm3
CUM. NET VOIDAGE (2000.12.31) =	28,894	Rm3
CUM. VRR (2000.12.31) =	0.35	Rm3 / Rm3

TABLE NO. 8

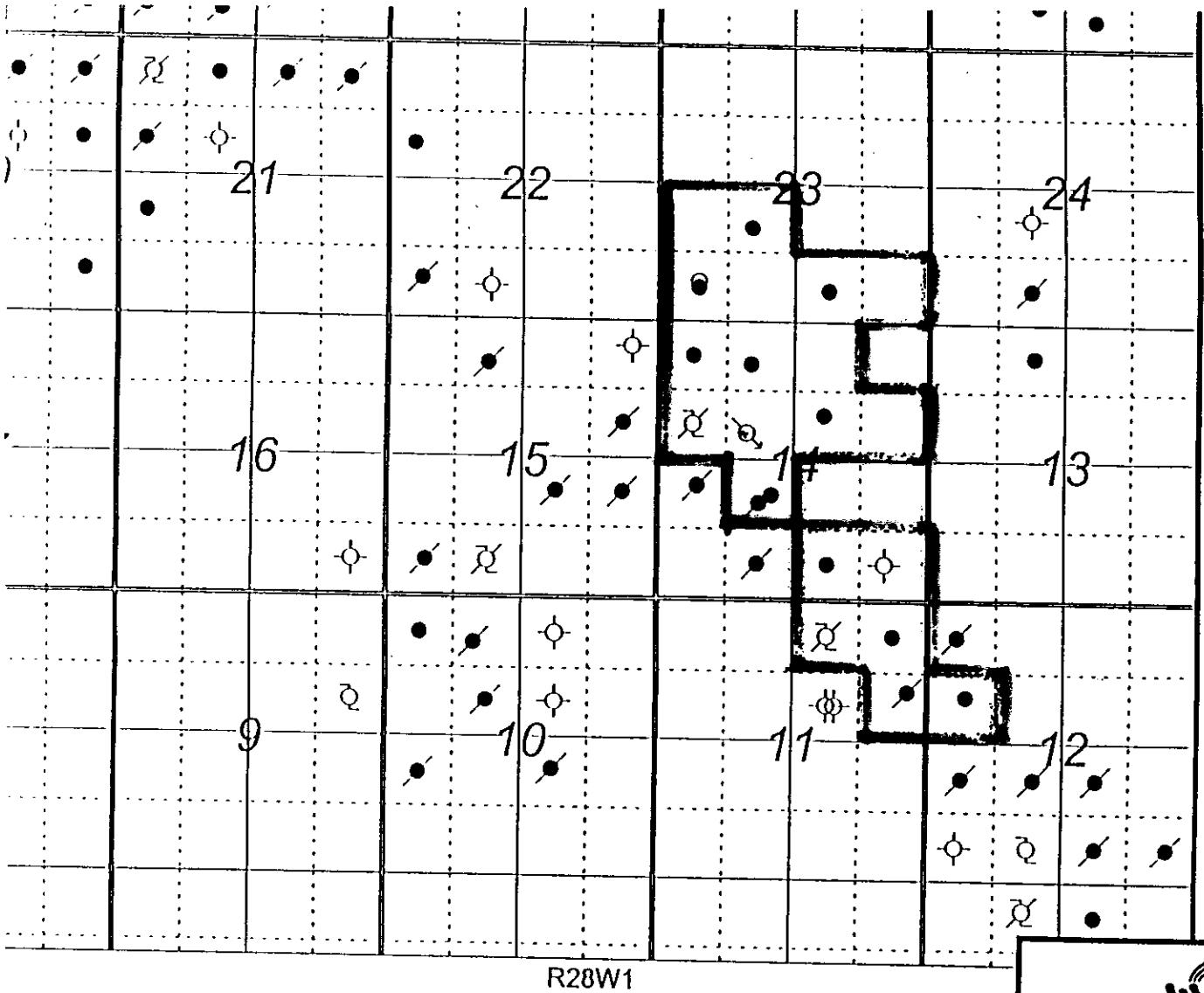
CROMER UNIT NO.1

WELL 11-14-9-28 INJECTION HISTORY

Year	Month	Qinj (m3/day)	Monthly Injection (m3)	Cum Injection (m3)	Pinj (psig)	Qinj (m3/day)	Pinj*Time (psig.days)	Cum. Injection (m3)	Cum.Pres*Chge Time (psig.days)
1998	Jan	0	0	0	0	0	0	0	0
	Feb	0	0	0.0	0	0	0	0	0
	Mar	0	0	0.0	0	0	0	0	0
	Apr	0	0	0.0	0	0	0	0	0
	May	0	0	0.0	0	0	0	0	0
	June	0	0	0.0	0	0	0	0	0
	July	0	0	0.0	0	0	0	0	0
	Aug	0	0	0.0	0	0	0	0	0
	Sept	0	0	0.0	0	0	0	0	0
	Oct	0	0	0.0	0	0	0	0	0
	Nov	0	0	0.0	0	0	0	0	0
	Dec	0	0	0.0	0	0	0	0	0
1999	Jan	13.4	416.4	416.4	429	13.4	13,299	416	13,299
	Feb	13.1	369.1	785.5	579	13.1	16,212	786	29,511
	Mar	11.7	361.2	1,146.7	658	11.7	20,398	1,147	49,909
	Apr	7.5	226.3	1,373.0	648	7.5	19,440	1,373	69,349
	May	12.2	378.3	1,751.3	754	12.2	23,374	1,751	92,723
	June	10.16	304.9	2,056.2	769	10.16	23,070	2,056	115,793
	July	7.27	225.3	2,281.5	767	7.27	23,777	2,282	139,570
	Aug	11.95	370.6	2,652.1	832	11.95	25,792	2,652	165,362
	Sept	18.96	568.8	3,220.9	857	18.96	25,710	3,221	191,072
	Oct	14.57	451.8	3,672.7	860	14.57	26,660	3,673	217,732
	Nov	13.3	399.1	4,071.8	865	13.3	25,950	4,072	243,682
	Dec	10.02	310.7	4,382.5	867	10.02	26,877	4,383	270,559
2000	Jan	10.83	335.7	4,718.2	946	10.83	29,326	4,718	299,885
	Feb	22.71	658.7	5,376.9	1,085	22.71	31,465	5,377	331,350
	Mar	35.65	1,105.3	6,482.2	1,147	35.65	35,557	6,482	366,907
	Apr	34.32	1,029.5	7,511.7	1,193	34.32	35,790	7,512	402,697
	May	28.76	891.5	8,403.2	1,207	28.76	37,417	8,403	440,114
	June	33.4	1,001.9	9,405.1	1,251	33.4	37,530	9,405	477,644
	July	29.1	902.1	10,307.2	1,255	29.1	38,905	10,307	516,549
	Aug	34.6	1,072.2	11,379.4	1,315	34.6	40,765	11,379	557,314
	Sept	35.5	1,066.0	12,445.4	1,338	35.5	40,140	12,445	597,454
	Oct	35.9	1,115.7	13,561.1	1,364	35.9	42,284	13,561	639,738
	Nov	32.4	971.1	14,532.2	1,372	32.4	41,160	14,532	680,898
	Dec	34	1,055.0	15,587.2	1,411	34	43,741	15,587	724,639

LIST OF FIGURES

FIGURE NO. 1



UNIT OUTLINE

Kilometres

0 1 2 3

0 1 2

Miles

WELL SYMBOLS

OIL AO D&A AWD WI

WD SL

Tundra oil and gas ltd.

CROMER UNIT #1

proSCOUT	By :	Date : 1998/06/23
	Scale = 1:40000	Project : untitled

FIGURE NO.2

CRBAKW Data 07/92-12/00
Monthly Oil FC 2 (Rate-Time)
qi: 407.934 m3, Aug, 1997
qf: 19.9077 m3, Jun, 2021
di(Exp): 12.3667 CTD: 32951.5 m3
RR: 25284.9 m3 Tot: 58236.4 m3

Operator:
Field:
Zone:
Type: Oil
Group: crulbakw

Production Cums
Oil: 32951.5 m3
Gas: 0 E6m3
Water: 9454.72 m3
Cond: 0 m3

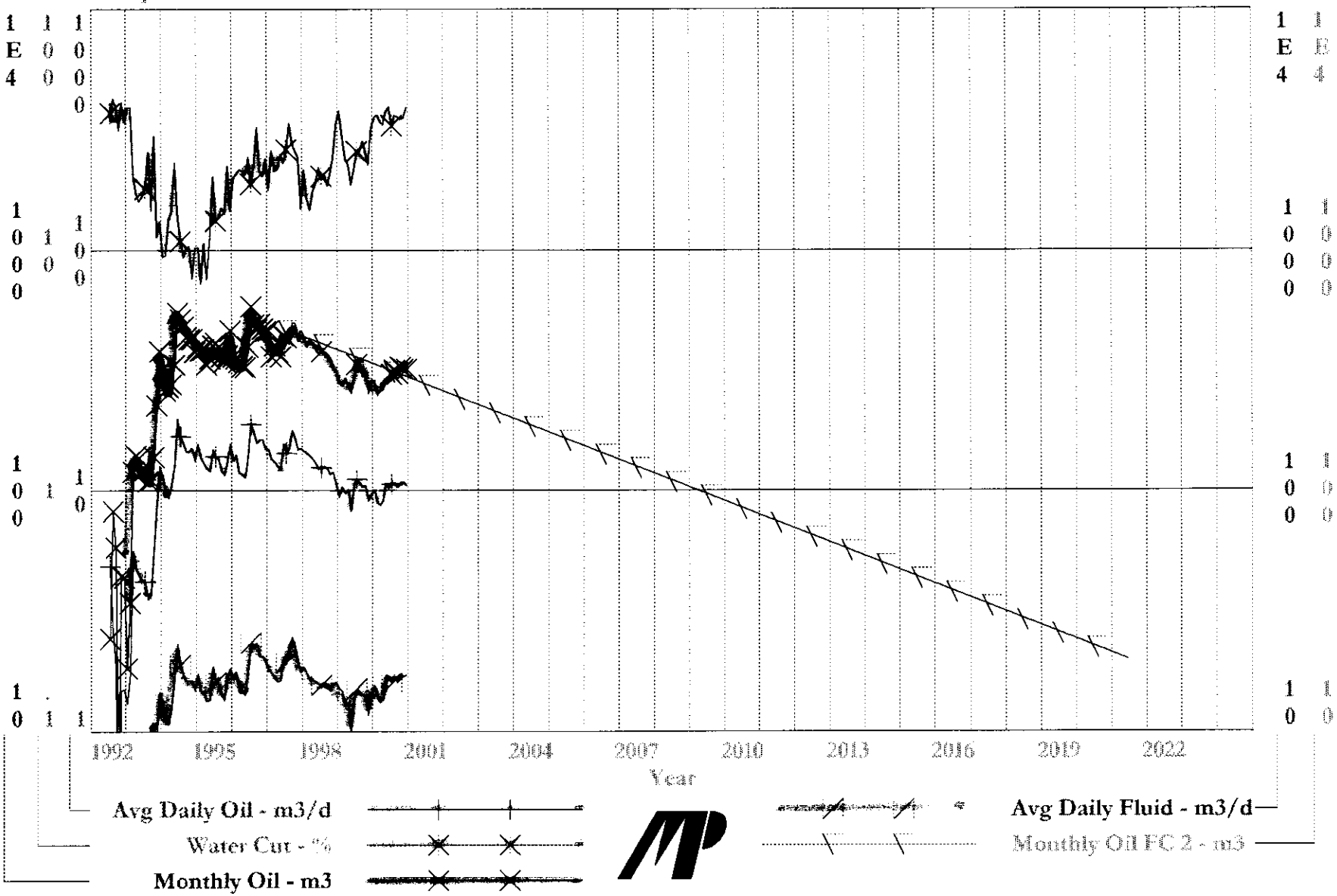


FIGURE NO.3

INJECTION PERFORMANCE OF WELL 11-14-9-28

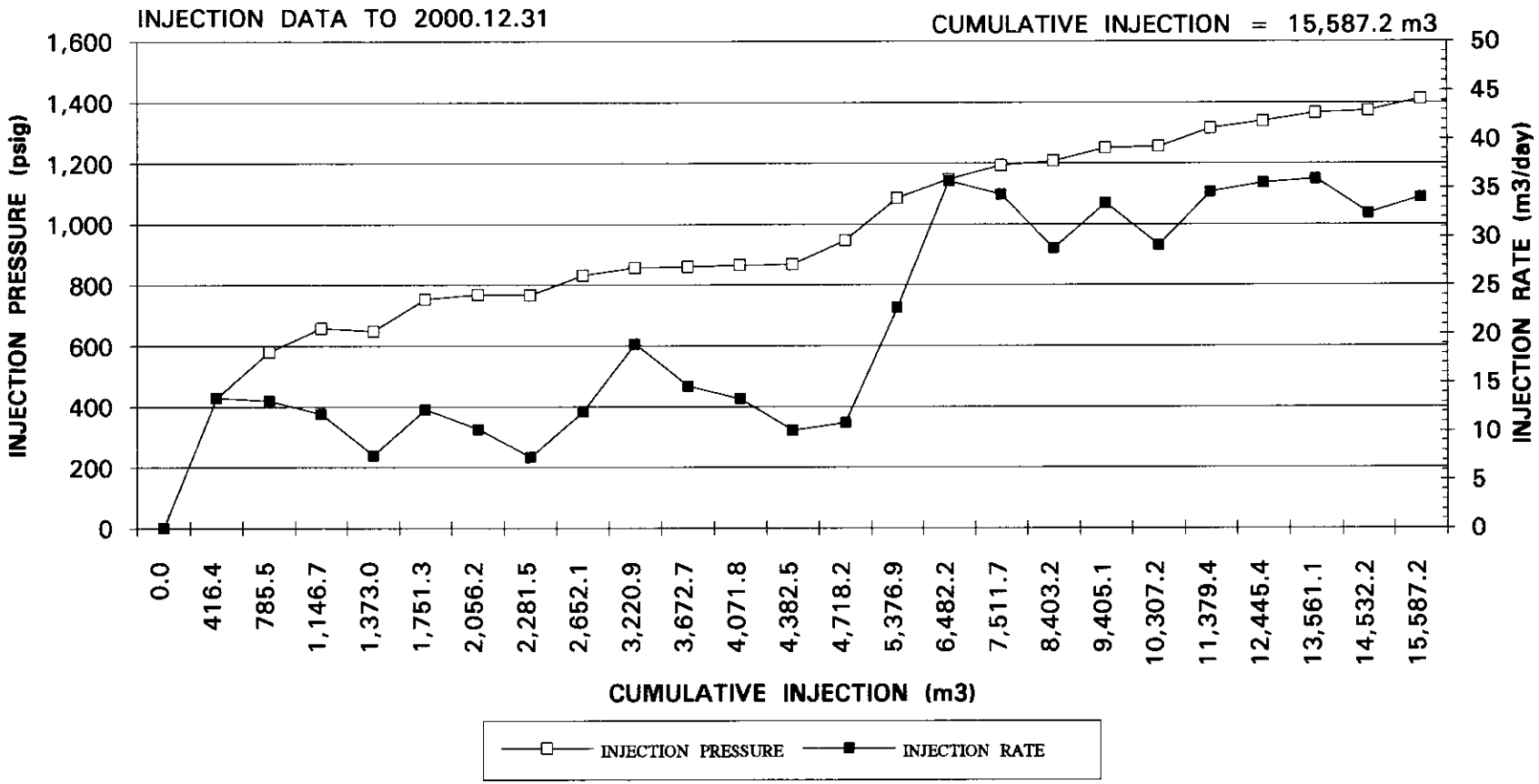
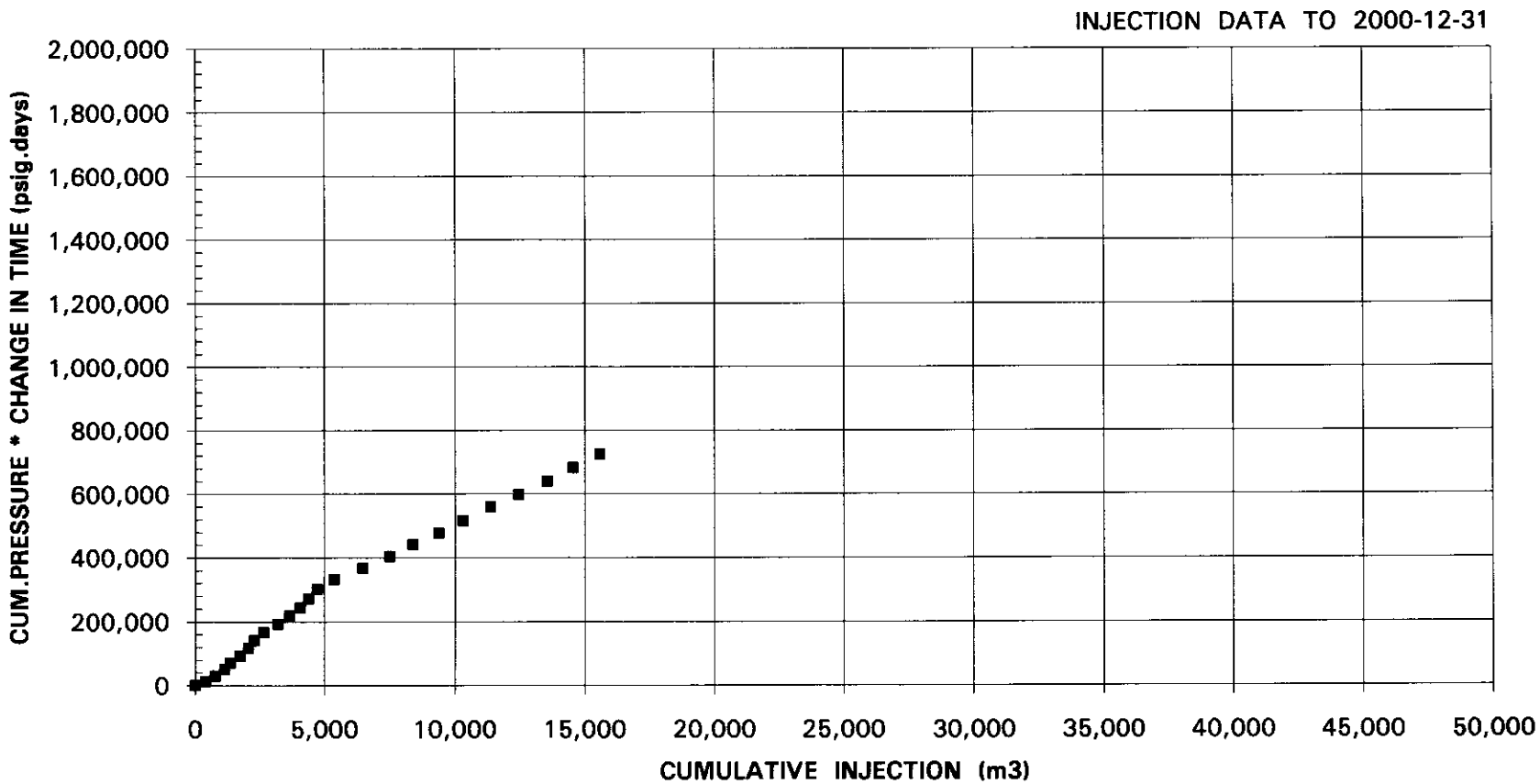


FIGURE NO.4

HALL PLOT INJECTION WELL 11-14-9-28



LIST OF ATTACHMENTS

ATTACHMENTS

ATTACHMENT NO.1

CROMER UNIT NO.1 HISTORICAL BAKKEN PRODUCTION

Production Report

Group	:	cru1bakw	Date	:	September 1, 2006 4:10:10 am
Well	:	CRBAKW	User	:	George
	:	000000036			
Hist.Data	:	07/92-12/00	On Prod	:	02/09
Operator	:		Status	:	Oil
Field	:		Zone	:	

Production Data from July, 1992 to December, 2000

Year	Avg Daily Oil m3/d	Monthly Oil m3	Cum Oil m3	Water Cut %	Monthly Water m3	Cum Water m3
Jul., 1992	4.84008	24.2004	24.2004	37.1326	14.3003	14.3003
Aug., 1992	2.64519	82.0007	106.201	42.5259	60.7002	75.0004
Sep., 1992	1.93001	57.9004	164.102	39.6765	38.0996	113.1
Oct., 1992	0.203352	6.10055	170.202	31.4464	2.79964	115.9
Nov., 1992	1.47002	44.1007	214.303	41.0322	30.7006	146.6
Dec., 1992	1.49655	43.3999	257.703	34.1332	22.5004	169.101
Jan., 1993	1.30715	18.3001	276.003	38.787	11.6008	180.701
Feb., 1993	1.70502	34.1005	310.103	39.3128	22.0998	202.801
Mar., 1993	5.60464	119.799	429.902	20.2328	30.4002	233.201
Apr., 1993	4.67913	139.399	569.301	17.166	28.901	262.102
May., 1993	4.5058	136.3	705.602	15.9106	25.8009	287.903
Jun., 1993	4.17094	122	827.602	16.8304	24.6991	312.602
Jul., 1993	4.17773	122.199	949.8	18.0349	26.8994	339.502
Aug., 1993	3.52903	109.4	1059.2	25.4685	37.4	376.902
Sep., 1993	3.67331	110.199	1169.4	14.6341	18.8995	395.801
Oct., 1993	5.69221	137.799	1307.2	29.8638	58.7002	454.502
Nov., 1993	8.59214	225.902	1533.1	11.3381	28.901	483.403
Dec., 1993	12.5992	380.601	1913.7	13.1595	57.7002	541.103
Jan., 1994	11.4374	321.2	2234.9	9.39016	33.3015	574.404
Feb., 1994	9.98787	260.101	2495	9.49516	27.3	601.704
Mar., 1994	9.28444	267.701	2762.7	13.2762	40.9994	642.704
Apr., 1994	10.3875	275.701	3038.4	14.4531	46.6002	689.304
May., 1994	12.7238	334	3372.4	23.1754	100.801	790.105
Jun., 1994	19.8496	550	3922.4	13.8825	88.7013	878.806
Jul., 1994	16.7902	515.599	4438	10.9307	63.3027	942.109
Aug., 1994	15.5951	480.201	4918.2	9.37516	49.6987	991.808
Sep., 1994	14.4567	433.7	5351.9	10.0731	48.6018	1040.41
Oct., 1994	14.4	427.199	5779.1	10.4174	49.7003	1090.11
Nov., 1994	14.9833	426.4	6205.5	7.60278	35.1012	1125.21
Dec., 1994	13.2192	377.298	6582.8	10.1842	42.8006	1168.01
Jan., 1995	15.596	396.399	6979.2	10.2924	45.5001	1213.51
Feb., 1995	13.6953	382.897	7362.1	7.26266	29.9995	1243.51
Mar., 1995	12.9721	387.001	7749.1	10.6608	46.2012	1289.71
Apr., 1995	12.2991	333.101	8082.2	7.57224	27.3016	1317.01
May., 1995	11.9594	353.8	8436	11.656	46.7004	1363.71
Jun., 1995	14.8445	400.803	8836.8	20.2474	101.8	1465.51
Jul., 1995	13.842	411.799	9248.6	13.2638	63.0006	1528.51

Production Report

Group : cru1bakw
Well : CRBAKW
: 000000036

Date : September 1, 2006 4:10:10 am
User : George

Production Data from July, 1992 to December, 2000 (cont.)

Year	Avg Daily Oil m3/d	Monthly Oil m3	Cum Oil m3	Water Cut %	Monthly Water m3	Cum Water m3
Aug., 1995	13.5338	395.3	9643.9	13.647	62.4998	1591.01
Sep., 1995	12.0633	361.898	10005.8	14.9616	63.7001	1654.71
Oct., 1995	11.5636	344.499	10350.3	14.1698	56.8989	1711.61
Nov., 1995	13.1496	364.902	10715.2	22.4369	105.602	1817.22
Dec., 1995	15.6253	464.202	11179.4	14.585	79.2992	1896.52
Jan., 1996	13.2626	360.3	11539.7	19.9084	89.5995	1986.11
Feb., 1996	14.004	353.6	11893.3	20.6034	91.7998	2077.91
Mar., 1996	11.8144	343.602	12236.9	21.688	95.2004	2173.12
Apr., 1996	11.6077	328.4	12565.3	21.3343	89.1019	2262.22
May., 1996	11.2609	326.098	12891.4	20.5731	84.5026	2346.72
Jun., 1996	13.7774	396.099	13287.5	24.487	128.502	2475.22
Jul., 1996	18.8931	584.9	13872.4	18.8925	136.301	2611.52
Aug., 1996	17.3637	489.8	14362.2	22.5045	142.3	2753.82
Sep., 1996	15.7209	467.698	14829.9	32.3746	224.001	2977.82
Oct., 1996	16.155	493.4	15323.3	21.137	132.3	3110.12
Nov., 1996	16.2896	472.4	15795.7	20.2762	120.198	3230.32
Dec., 1996	14.8549	460.501	16256.2	23.9895	145.402	3375.72
Jan., 1997	14.929	462.798	16719	17.7475	99.9014	3475.63
Feb., 1997	13.4706	360.899	17079.9	26.0212	126.998	3602.62
Mar., 1997	13.1052	400.8	17480.7	21.3735	109	3711.62
Apr., 1997	12.5467	376.401	17857.1	21.6735	104.199	3815.82
May., 1997	12.1929	360.198	18217.3	25.0124	120.198	3936.02
Jun., 1997	15.6053	440.2	18657.5	23.0343	131.801	4067.82
Jul., 1997	14.2883	435.199	19092.7	26.2287	154.799	4222.62
Aug., 1997	14.8931	407.699	19500.4	33.7083	207.401	4430.02
Sep., 1997	17.7443	499.799	20000.2	27.5985	190.601	4620.62
Oct., 1997	16.4557	497.101	20497.3	25.8195	173.099	4793.72
Nov., 1997	14.6828	425.801	20923.1	24.3213	136.902	4930.62
Dec., 1997	14.9613	463.801	21386.9	14.831	80.8	5011.42
Jan., 1998	14.5487	440.1	21827	21.5571	120.998	5132.42
Feb., 1998	14.5813	393.696	22220.7	16.4061	77.3008	5209.72
Mar., 1998	13.8677	429.898	22650.6	14.697	74.1006	5283.82
Apr., 1998	13.4534	403.601	23054.2	17.6766	86.6997	5370.52
May., 1998	12.98	389.401	23443.6	19.0704	91.7998	5462.32
Jun., 1998	12.2574	366.699	23810.3	22.1038	104.1	5566.42
Jul., 1998	12.4531	379.301	24189.6	20.2914	96.601	5663.02
Aug., 1998	12.5924	376.199	24565.8	20.5258	97.2035	5760.23
Sep., 1998	12.2334	367.003	24932.8	18.5459	83.598	5843.83
Oct., 1998	11.6567	356.502	25289.3	20.8408	93.8999	5937.73
Nov., 1998	11.8639	322.301	25611.6	24.441	104.3	6042.03
Dec., 1998	10.6682	315.602	25927.2	33.464	158.8	6200.83

Production Report

Group : cru1bakw
Well : CRBAKW
: 000000036

Date : September 1, 2006 4:10:10 am
User : George

Production Data from July, 1992 to December, 2000 (cont.)

Year	Avg Daily Oil m3/d	Monthly Oil m3	Cum Oil m3	Water Cut %	Monthly Water m3	Cum Water m3
Jan., 1999	9.39346	286.5	26213.7	38.0569	176.099	6376.93
Feb., 1999	10.3531	272.2	26485.9	29.6184	114.599	6491.52
Mar., 1999	9.70906	293.699	26779.6	23.983	92.7012	6584.23
Apr., 1999	10.0947	275.502	27055.1	22.6044	80.4995	6664.73
May., 1999	8.17735	253.498	27308.6	18.6655	58.201	6722.93
Jun., 1999	10.5786	296.202	27604.8	21.7567	82.3993	6805.33
Jul., 1999	11.1424	335.2	27940	25.7175	116.102	6921.43
Aug., 1999	10.6678	330.701	28270.7	25.8269	115.2	7036.63
Sep., 1999	10.3444	297.4	28568.1	28.3801	117.9	7154.53
Oct., 1999	10.4267	312.8	28880.9	25.6567	107.998	7262.53
Nov., 1999	9.00799	254.1	29135	22.6641	74.4996	7337.03
Dec., 1999	9.52605	283.4	29418.4	31.898	132.799	7469.82
Jan., 2000	10.0256	287.4	29705.8	35.5215	158.4	7628.22
Feb., 2000	8.85595	247.598	29953.4	36.4705	142.201	7770.43
Mar., 2000	8.65778	263.702	30217.1	33.9989	135.899	7906.33
Apr., 2000	9.04861	260.902	30478	33.2466	130	8036.33
May., 2000	10.6872	289	30767	37.5842	174.101	8210.43
Jun., 2000	10.1442	290.801	31057.8	39.3429	188.7	8399.13
Jul., 2000	10.6375	304.499	31362.3	32.831	148.899	8548.02
Aug., 2000	10.7779	316.601	31678.9	36.262	180.201	8728.23
Sep., 2000	10.2738	306.501	31985.4	35.7747	170.802	8899.03
Oct., 2000	10.7244	326.201	32311.6	34.8541	174.6	9073.63
Nov., 2000	10.8373	320.603	32632.2	35.3265	175.199	9248.83
Dec., 2000	10.4262	319.303	32951.5	39.1932	205.898	9454.72

ATTACHMENT NO.2

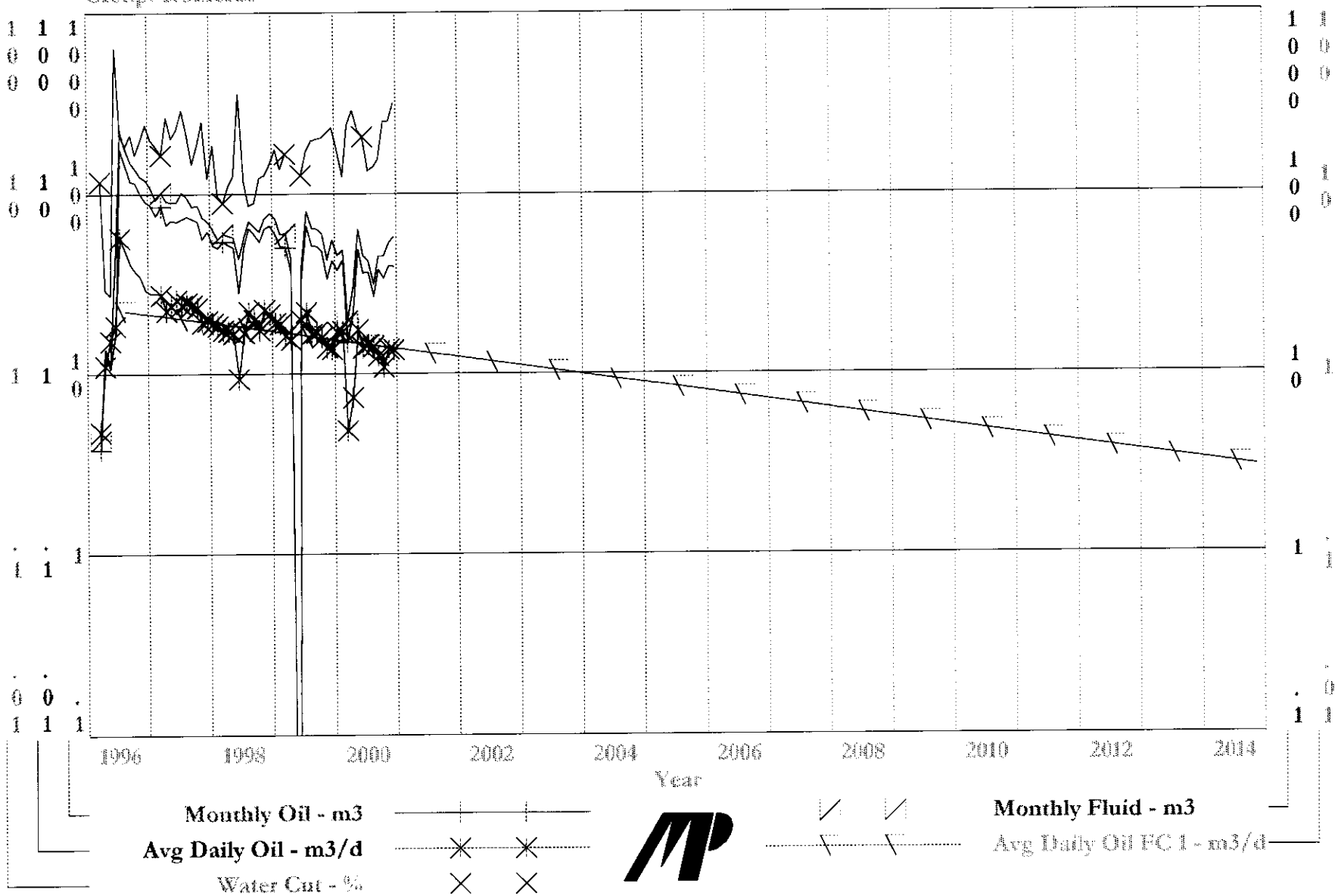
INDIVIDUAL WELL ULTIMATE OIL RECOVERY PREDICTIONS

00/16-11-009-28SW1/2 (Cronner Unit No. 1 Prov. R//E16-11-09-28SW) Data 03/96-12/00

Operator:
Field: 1
Zone: 60I
Type: Unknown
Group: cronnerul

Avg Daily Oil FC 1 (Rate-Time)
qi: 2.25716 m3/d, Aug, 1996
qf: 0.299641 m3/d, Nov, 2014
di(Exp): 10.4427 CTD: 3238.3 m3
RR: 3543.4 m3 Tot: 6781.7 m3

Production Cums
Oil: 3238.3 m3
Gas: 0 E6m3
Water: 763.605 m3
Cond: 0 m3

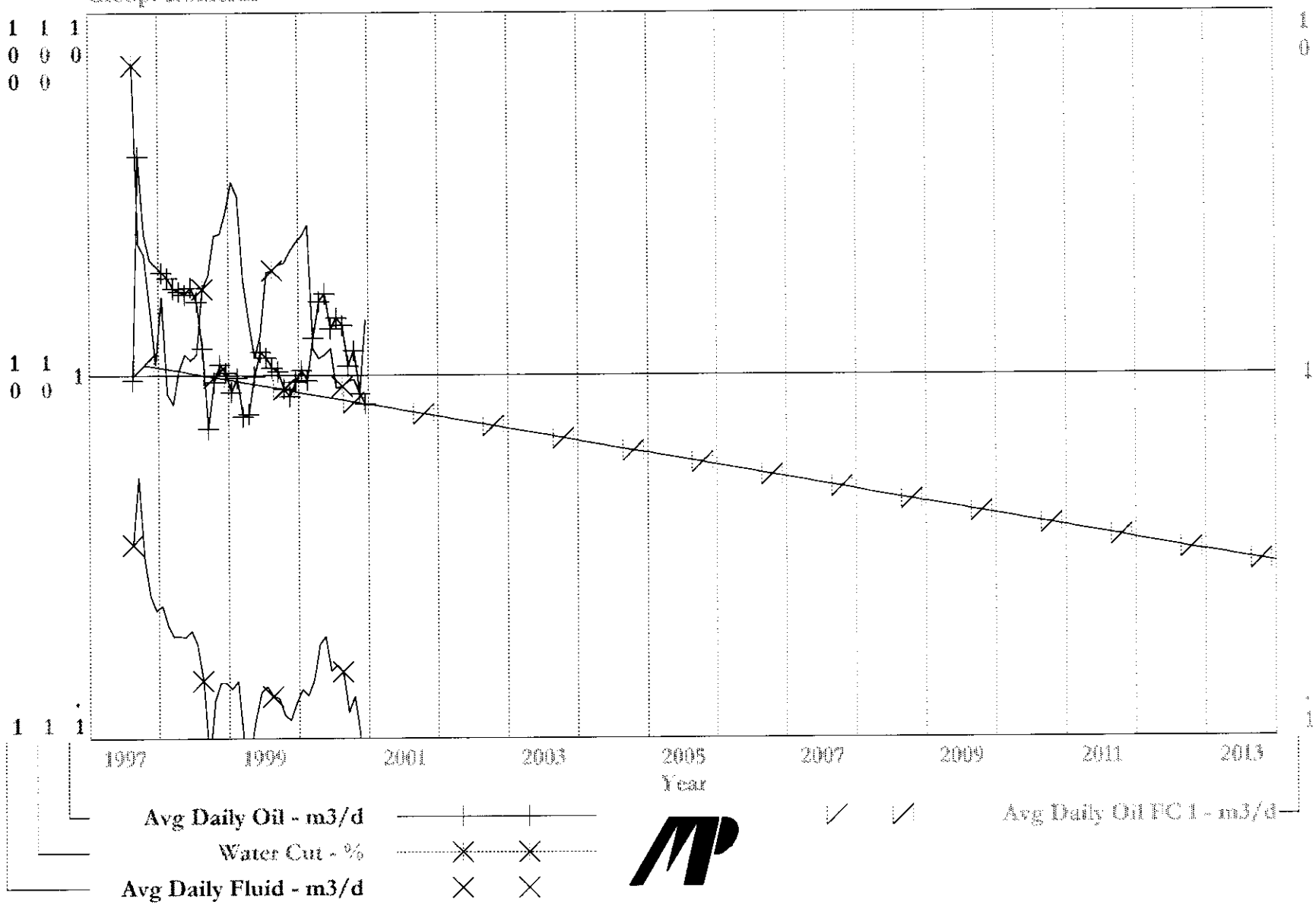


00/12-12-009-28W1/2 (Cromer Unit No. 1 Prov. R//E12-12-09-28W1) Data 08/97-12/00

Operator:
Field: 1
Zone: 60f
Type: Unknown
Group: cromerul

Avg Daily Oil FC 1 (Rate-Time)
qi: 1.07073 m3/d, Oct, 1997
qf: 0.290854 m3/d, Jan, 2014
di(Exp): 7.52839 CTD: 1477.7 m3
RR: 2460.33 m3 Tot: 3938.03 m3

Production Cums
Oil: 1477.7 m3
Gas: 0 E6m3
Water: 317.602 m3
Cond: 0 m3

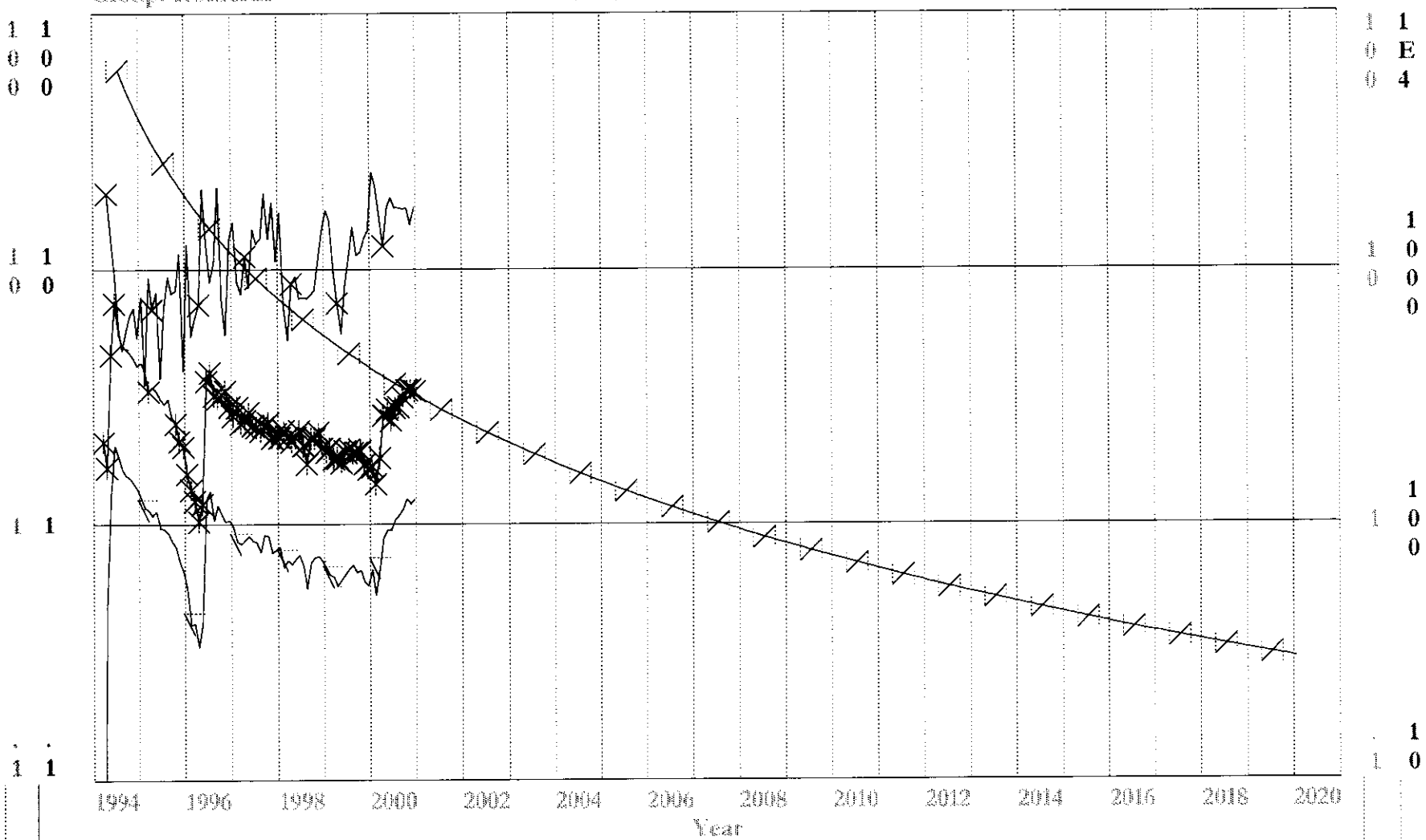


00/02-14-009-28W1/2 (Cromer Unit No. 1 Prov. R//E02-14-09-28W1) Data 05/94-12/00

Operator:
Field: 1
Zone: 60I
Type: Unknown
Group: cromerul

Avg Daily Oil FC 1 (Rate-Time)
qi: 65.619 m3/d, Jul, 1994
qf: 0.297697 m3/d, Jan, 2020
di(Hyp): 57.8586 CUD: 6476 m3
RR: 6603.74 m3 Tot: 13079.7 m3

Production Cums
Oil: 6476 m3
Gas: 0 E6m3
Water: 810.994 m3
Cond: 0 m3



Avg Daily Oil - m3/d

Water Cut - %

Avg Daily Oil FC 1 - m3/d

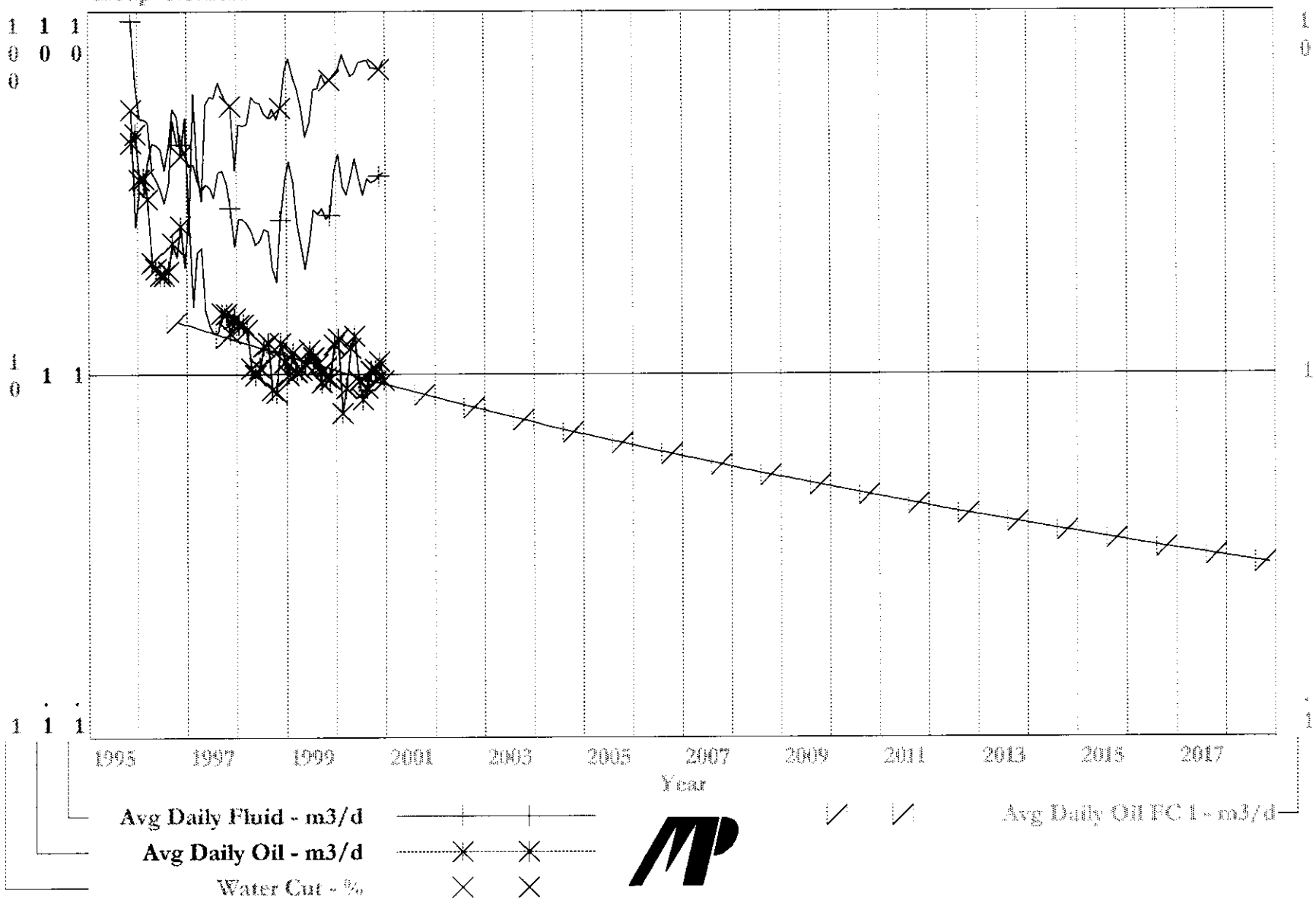
Monthly Fluid - m3

02/06-14-009-28W1/2 (Cromer Unit No. 1 COM A06-14-09-28W1) Data 11/96-12/00

Operator:
Field: 1
Zone: 60f
Type: Unknown
Group: cromerul

Avg Daily Oil FC 1 (Rate-Time)
qi: 1.41107 m3/d, Oct, 1996
qf: 0.299488 m3/d, Nov, 2018
di(Hyp): 9.80356 CTD: 2721.2 m3
RR: 3360.81 m3 Tot: 6082.01 m3

Production Cums
Oil: 2721.2 m3
Gas: 0 E6m3
Water: 3225.4 m3
Cond: 0 m3

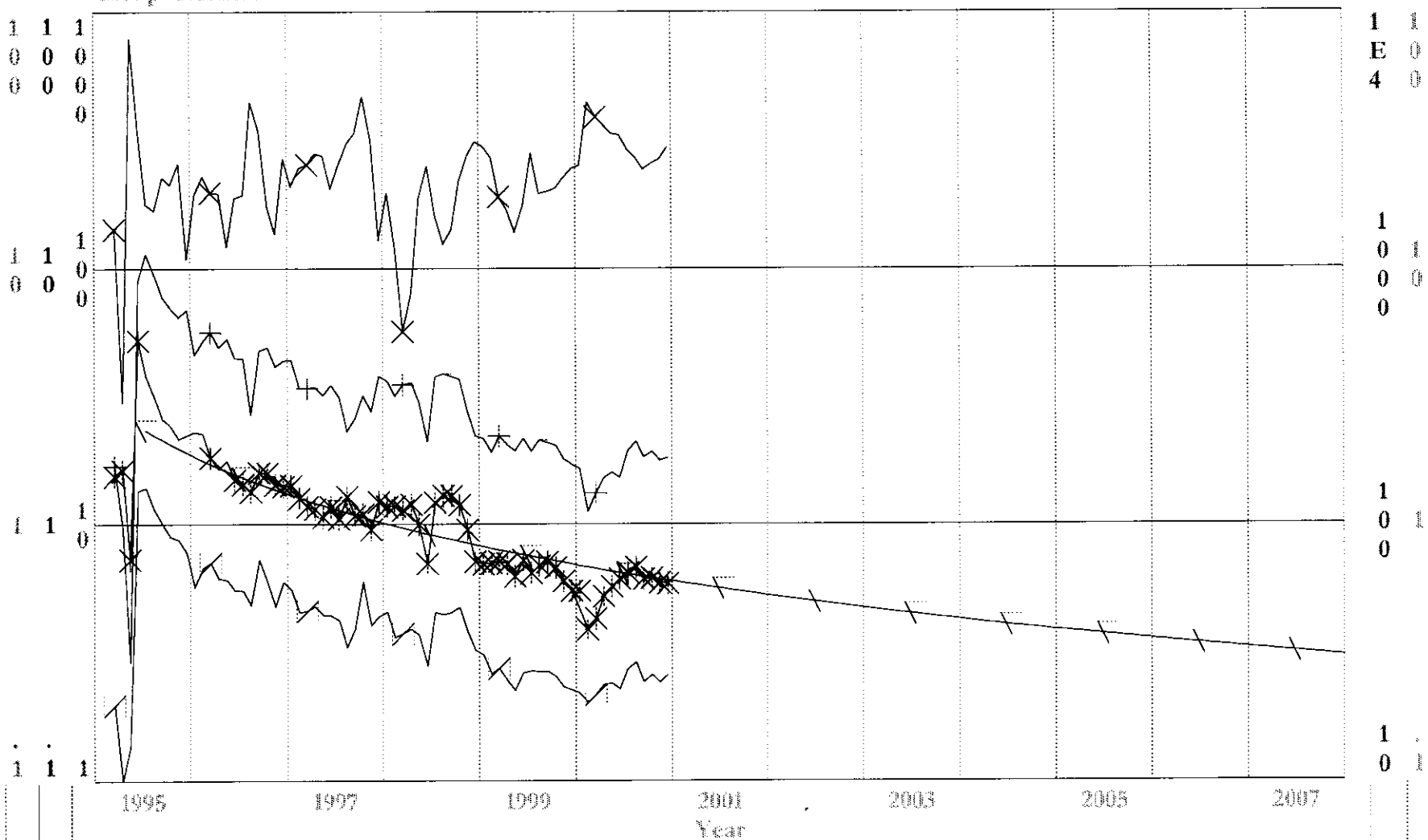


00/10-14-009-28W1/0 (Cromer Unit No. 1 Prov. COM 10-14-09-28W1) Data 03/95-12/00

Operator:
Field: 1
Zone: 60I
Type: Unknown
Group: cromerul

Avg Daily Oil FC 1 (Rate-Time)
qi: 2.42786 m3/d, Jul, 1995
qf: 0.299244 m3/d, Apr, 2008
Di(Harr): 35.3901 CTD: 2382.7 m3
RR: 1039.9 m3 Tor: 3422.6 m3

Production Cums
Oil: 2382.7 m3
Gas: 0 E6m3
Water: 720.911 m3
Cond: 0 m3



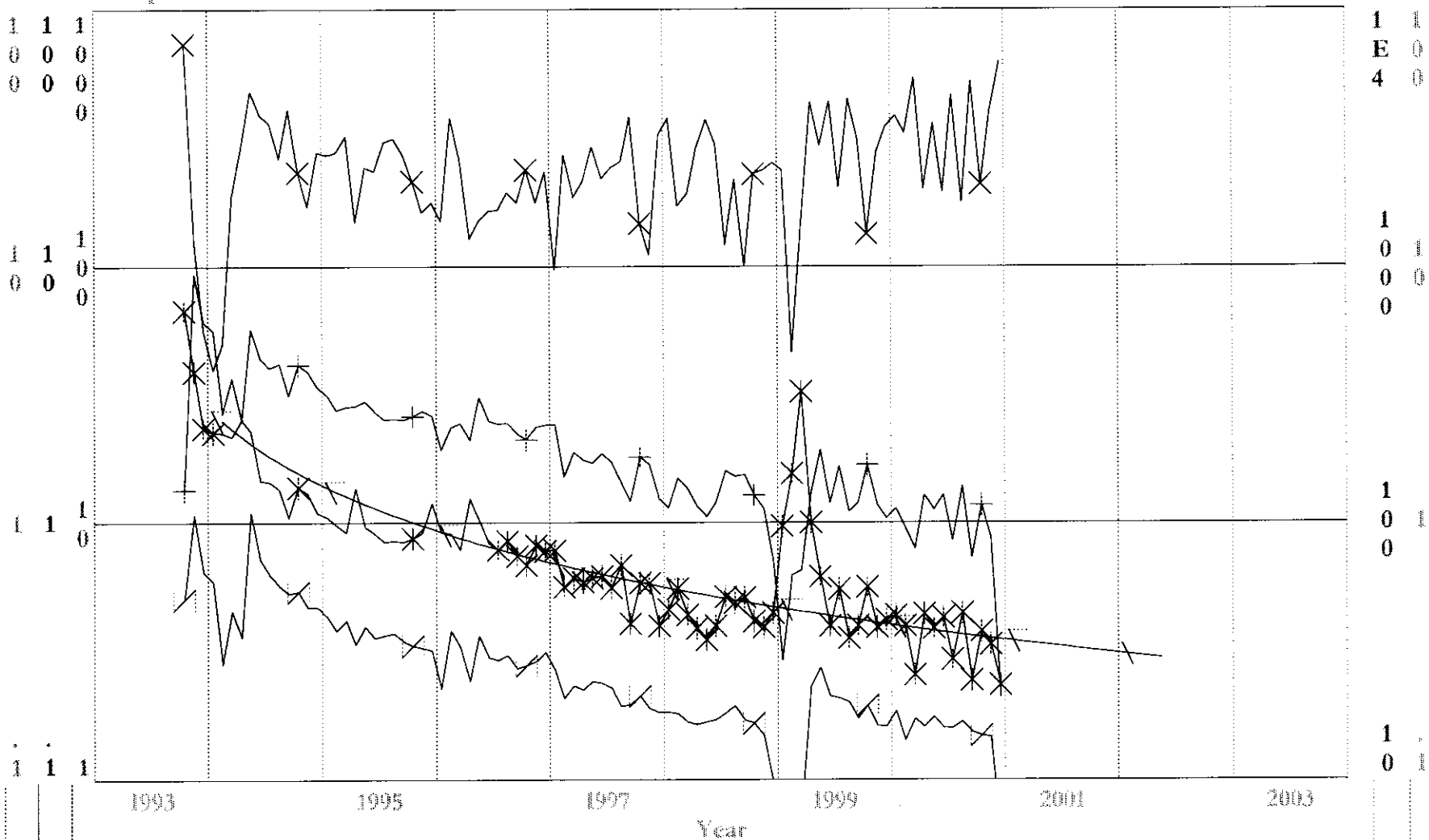
Monthly Oil - m3
Avg Daily Oil - m3/d
Water Cut - %
Monthly Fluid - m3
Avg Daily Oil FC 1 - m3/d

00/13-14-009-28W1/3 (Cromer Unit No. 1 Prov. R/ /E13-14-09-28WI) Date 10/93-12/00

Operator:
Field: 1
Zone: 60I
Type: Unknown
Group: cromerul

Avg Daily Oil FC 1 (Rate-Time)
qi: 2.68581 m3/d, Feb, 1994
qf: 0.29766 m3/d, May, 2002
dir(Har): 49.0517 CTD: 1857.81 m3
RR: 142.083 m3 Tor: 1999.89 m3

Production Cums
Oil: 1857.81 m3
Gas: 0 E6m3
Water: 661.307 m3
Cond: 0 m3



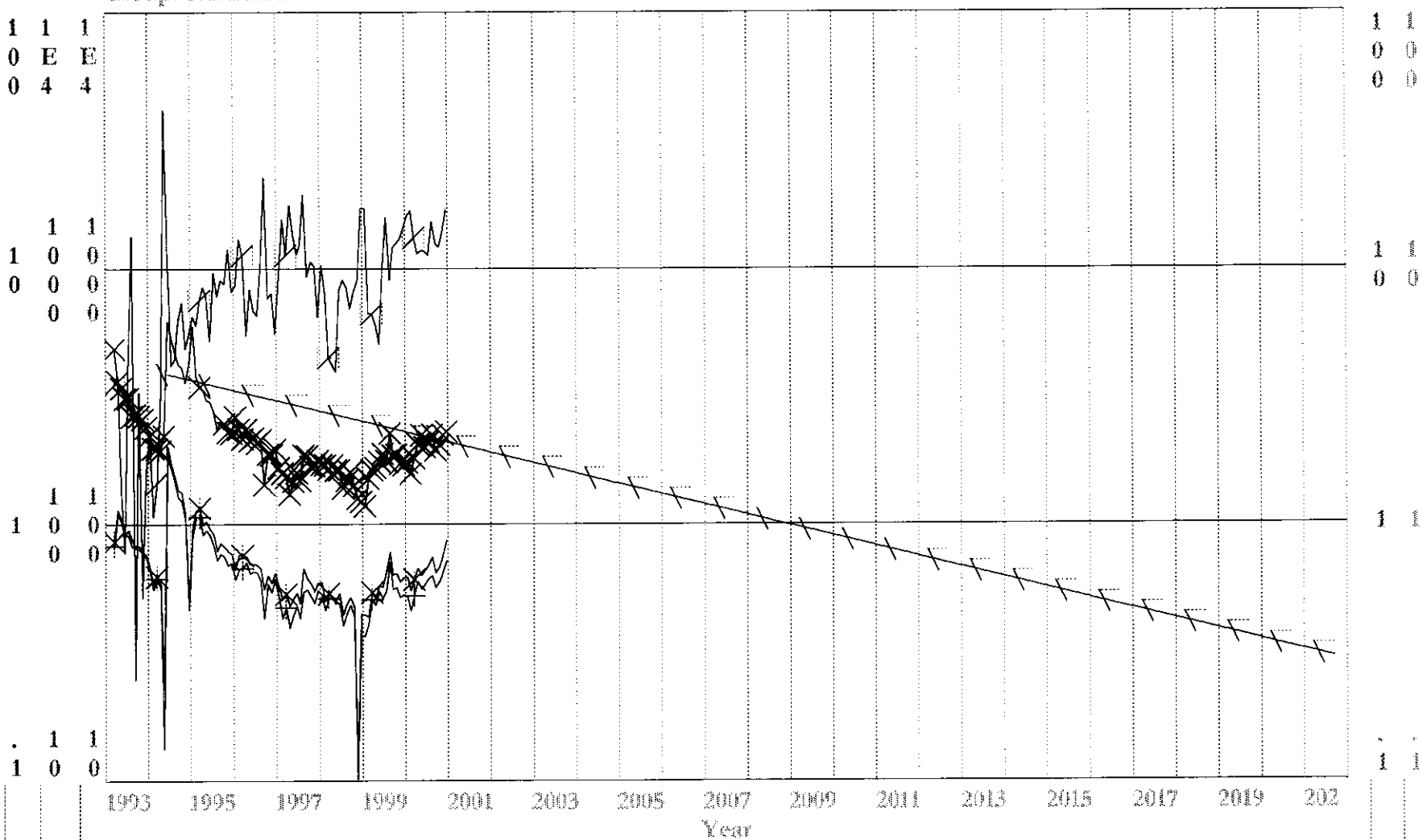
Monthly Oil - m3
Avg Daily Oil - m3/d
Water Cut - %
Monthly Fluid - m3
Avg Daily Oil FC 1 - m3/d

00/14-14-009-28W1/0 (Cromer Unit No. 1 Prov. COM 14-14-09-28W1) Data 03/93-12/00

Operator:
Field: 1
Zone: 60f
Type: Unknown
Group: cromerul

Avg Daily Oil FC 2 (Rate-Time)
qi: 3.89968 m3/d, Jun, 1994
qf: 0.299903 m3/d, Sep, 2021
di(Exp): 8.95791 CTD: 6196.79 m3
RR: 6184.62 m3 Tot: 12381.4 m3

Production Cums
Oil: 6196.8 m3
Gas: 0 E6m3
Water: 583.592 m3
Cond: 0 m3

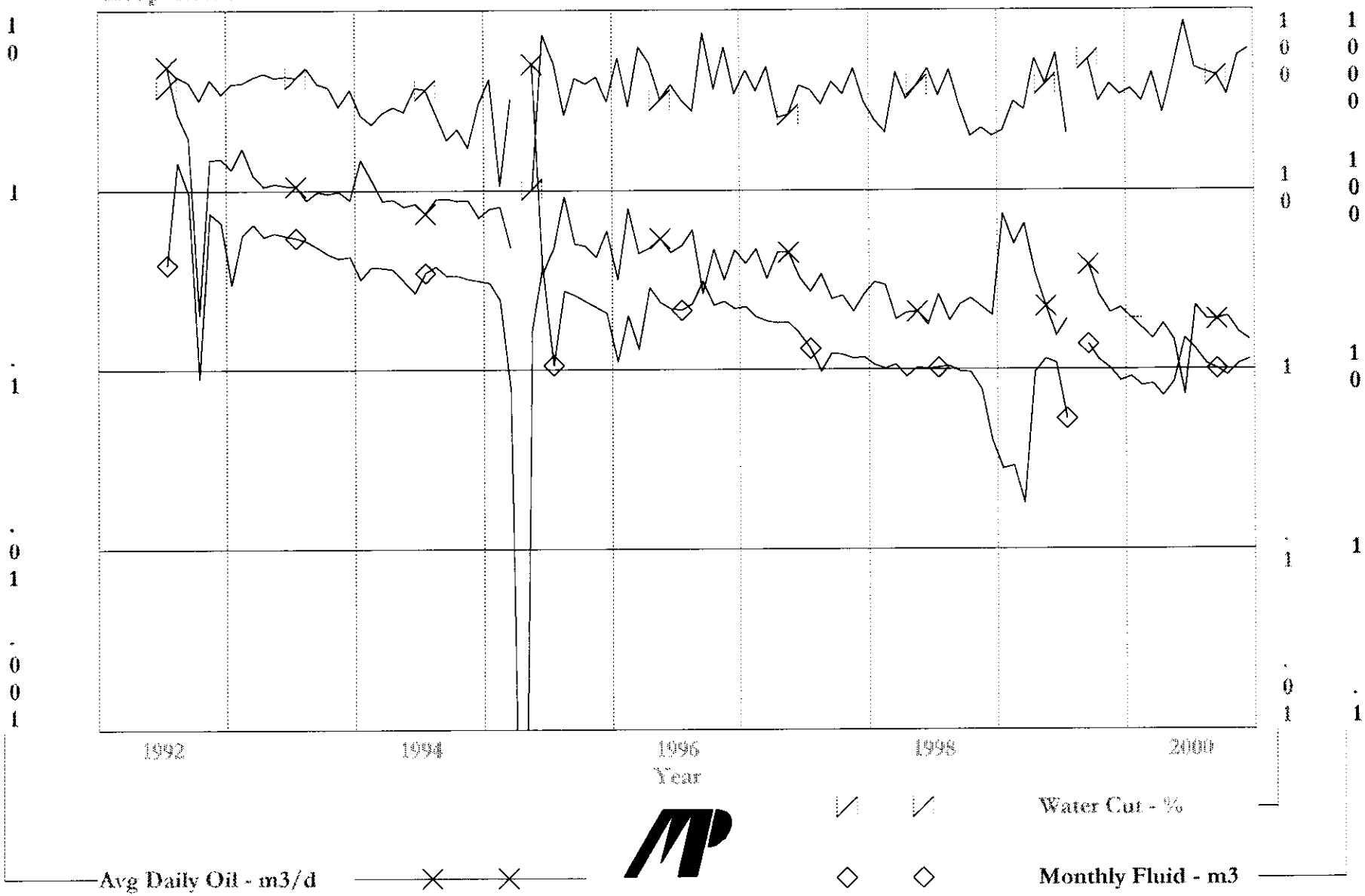


Monthly Oil - m3
Monthly Fluid - m3
Avg Daily Oil - m3/d
Water Cut - %
Avg Daily Oil FC 2 - m3/d

00/02-23-009-28W1/2 (Cromer Unit No. 1 COM 02-23-09-28W1) Date 07/02-02/00

Operator:
Field: 1
Zone: 60I
Type: Unknown
Group: cromerul

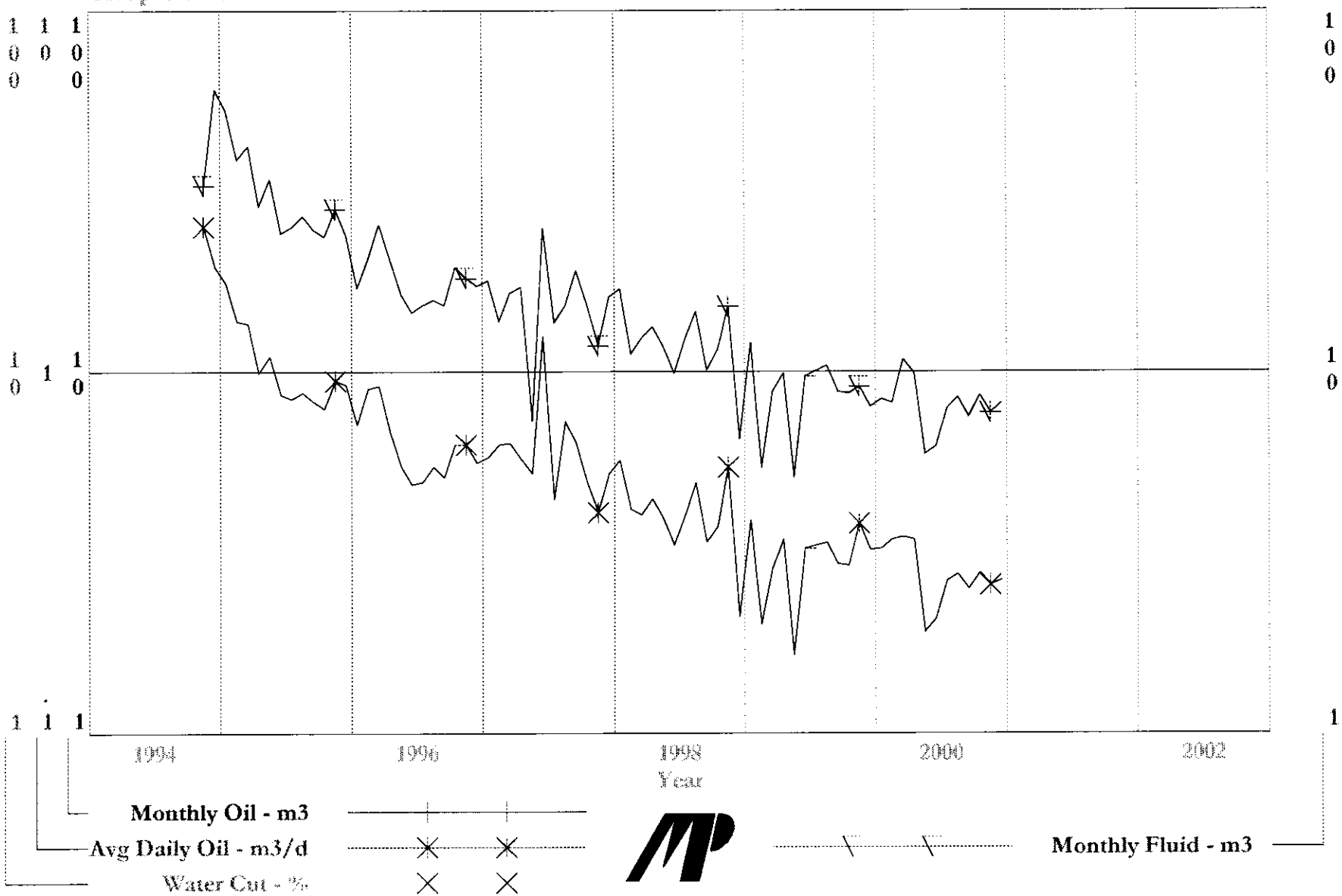
Production Cums
Oil: 1512.9 m3
Gas: 0 E6m3
Water: 934.804 m3
Cond: 0 m3



00/04-23-009-28W1/3 (Cromer Unit No. 1 COM R//E04-23-09-28W1) Data 11/94-12/00

Operator:
Field: 1
Zone: 60f
Type: Unknown
Group: cromerul

Production Cums
Oil: 1221.9 m3
Gas: 0 E6m3
Water: 0 m3
Cond: 0 m3

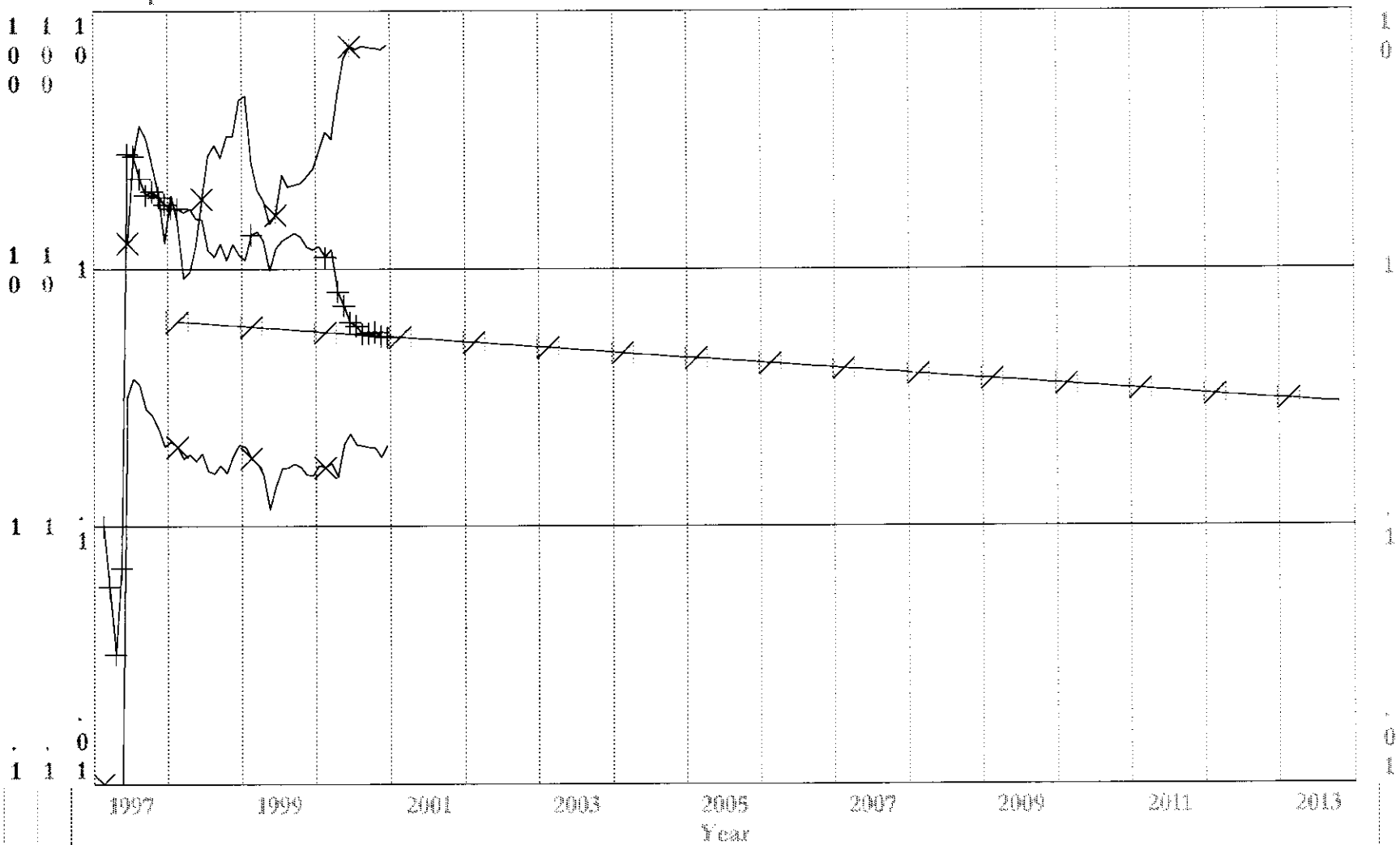


00/06-23-009-28SW1/2 (Cromer Unit No. 1 COM 06-23-09-28W1) Data 02/97-12/00

Operator:
Field: 1
Zone: 60I
Type: Unknown
Group: cromerul

Avg Daily Oil FC 1 (Rate-Time)
qi: 0.026374 m3/d, Feb. 1998
qf: 0.299732 m3/d, Oct. 2013
di(Exp): 4.57193 CTD: 1674.8 m3
RR: 1860.3 m3 Tot: 3535.1 m3

Production Cums
Oil: 1674.8 m3
Gas: 0.E6m3
Water: 865.001 m3
Cond: 0 m3



Avg Daily Oil - m3/d
Water Cut - %
Avg Daily Fluid - m3/d
Avg Daily Oil FC 1 - m3/d

ATTACHMENT NO.3

2000 INDIVIDUAL WELL PRODUCTION DATA

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

WELL: 16110928W1 DALY PROV 16-11-9-28 WPM

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	1.71	37.6	8.0	45.6	17.54	22	2.07	2.74	0.26	24.0	23
02	1.71	42.8	6.1	48.9	12.47	25	1.96	0.57	0.16	24.0	22
03	0.48	15.0	4.7	19.7	23.86	31	0.64				
04	0.74	21.4	8.6	30.0	28.67	29	1.03	1.54	0.51	24.0	21
05	1.78	49.2	14.1	63.3	22.27	28	2.29	1.58	0.42	24.0	2
06	1.39	36.2	9.4	45.6	20.61	26	1.75	1.64	0.25	24.0	17
07	1.46	36.4	5.6	42.0	13.33	25	1.68				
08	1.44	27.0	4.4	31.4	14.01	19	1.68	1.41	0.23	24.0	28
09	1.26	37.9	6.9	44.8	15.4	30	1.49	1.18	0.4	24.0	28
10	1.11	33.8	11.2	45.0	24.89	30	1.48	1.18	0.4	24.0	1
11	1.39	39.7	13.3	53.0	25.09	29	1.86	1.59	0.56	24.0	5
12	1.36	39.4	18.2	57.6	31.6	29	1.99	1.51	0.65	24.0	13
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	1.29	416.4	110.5	526.9	20.97	323	1.64				

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

WELL: 12120928W1 DALY RE12-12-9-28 WPM

ONTH	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	1.03	31.0	9.9	40.9	24.21	30	1.36	1.44	0.36	24.0	20
02	0.97	28.1	9.9	38.0	26.05	29	1.31	1.02	0.24	24.0	24
03	1.27	38.1	5.1	43.2	11.81	30	1.44	1.5	0.18	24.0	1
04	1.6	1.6	0.2	1.8	11.11	1	1.8				
05	1.68	10.1	1.3	11.4	11.4	6	1.9				
06	1.35	36.4	4.9	41.3	11.86	27	1.53	1.63	0.16	24.0	17
07	1.44	43.3	4.4	47.7	9.22	30	1.59				
08	1.38	42.7	4.4	47.1	9.34	31	1.52	1.11	0.12	24.0	25
09	1.06	31.9	3.4	35.3	9.63	30	1.18	1.67	0.19	24.0	28
10	1.18	35.2	3.8	39.0	9.74	30	1.3	1.25	0.14	24.0	1
11	0.9	26.7	2.6	29.3	8.87	30	0.99	0.98	0.1	24.0	5
12	0.84	25.9	4.3	30.2	14.24	31	0.97	0.92	0.16	24.0	13
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	1.15	351.0	54.2	405.2	13.38	305	1.33				

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

WELL: 02140928W1 DALY 2-14-9-28 WPM

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	1.68	50.3	15.8	66.1	23.9	30	2.2	1.97	0.43	24.0	27
02	1.43	41.6	11.2	52.8	21.21	29	1.82	2.01	0.36	24.0	7
03	1.82	56.3	10.7	67.0	15.97	31	2.16	2.24	0.37	24.0	14
04	2.67	77.5	10.9	88.4	12.33	29	3.05	2.57	0.32	24.0	10
05	2.85	78.5	16.6	95.1	17.46	28	3.45	2.5	0.55	24.0	7
06	2.55	76.6	18.0	94.6	19.03	30	3.15	3.15	0.65	24.0	22
07	2.85	85.5	18.0	103.5	17.39	30	3.45	3.25	0.67	24.0	13
08	2.87	89.1	18.8	107.9	17.42	31	3.48	3.44	0.71	24.0	29
09	3.14	94.1	19.6	113.7	17.24	30	3.79	3.44	0.71	24.0	1
10	3.36	103.8	21.8	125.6	17.36	31	4.06	3.66	0.8	24.0	16
11	3.44	101.6	17.9	119.5	14.98	30	4.05	3.88	0.69	24.0	6
12	3.32	103.0	21.8	124.8	17.47	31	4.03	3.73	0.77	24.0	24
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	2.67	957.9	201.1	1159.0	17.35	360	3.23				

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

WELL: 06140928B1 DALY 6-14-9-28 WPM (BAKKEN)

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	1.25	37.6	84.2	121.8	69.13	30	4.06	1.36	2.43	24.0	14
02	0.78	22.7	73.1	95.8	76.3	29	3.3	1.15	2.34	24.0	11
03	0.92	28.4	68.7	97.1	70.75	31	3.13	1.09	2.2	24.0	19
04	1.18	34.3	67.5	101.8	66.31	29	3.51	1.15	2.13	24.0	14
05	1.3	35.8	74.3	110.1	67.48	28	3.99	1.15	2.55	24.0	25
06	0.96	28.8	75.5	104.3	72.39	30	3.48	1.1	2.45	24.0	18
07	0.85	17.9	47.7	65.6	72.71	21	3.12	0.92	2.52	24.0	6
08	0.92	28.5	76.1	104.6	72.75	31	3.38	1.13	2.76	24.0	18
09	1.02	30.6	70.9	101.5	69.85	30	3.38	1.11	2.45	24.0	13
10	1.04	31.0	72.0	103.0	69.9	30	3.44	1.06	3.17	24.0	25
11	1.1	32.6	73.4	106.0	69.25	30	3.59	1.35	2.73	24.0	13
12	0.96	29.8	81.9	111.7	73.32	31	3.6	1.06	2.58	24.0	15
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	1.03	358.0	865.3	1223.3	70.73	350	3.51				

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

WELL: 06140928L1 DALY 6-14-9-28 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	0.72	21.6	54.2	75.8	71.5	30	2.53	0.79	1.57	24.0	13
02	0.45	13.0	47.2	60.2	78.41	29	2.08	0.66	1.51	24.0	11
03	0.52	16.2	44.6	60.8	73.36	31	1.96	0.62	1.43	24.0	19
04	0.67	19.5	43.8	63.3	69.19	29	2.18	0.65	1.38	24.0	14
05	0.74	20.3	48.1	68.4	70.32	28	2.48	0.65	1.66	24.0	25
06	0.53	16.0	49.2	65.2	75.46	30	2.17	0.6	1.6	24.0	18
07	0.47	9.8	31.2	41.0	76.1	21	1.95	0.5	1.65	24.0	6
08	0.51	15.8	49.8	65.6	75.91	31	2.12	0.64	1.8	24.0	18
09	0.58	17.4	46.3	63.7	72.68	30	2.12	0.63	1.6	24.0	13
10	0.59	17.7	47.0	64.7	72.64	30	2.16	0.6	2.07	24.0	25
11	0.63	18.6	48.0	66.6	72.07	30	2.25	0.77	1.79	24.0	13
12	0.55	16.9	53.6	70.5	76.03	31	2.27	0.6	1.69	24.0	15
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	0.58	202.8	563.0	765.8	73.52	350	2.19				

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

WELL: 10140928B1 DALY 10-14-9-28 BAKKEN

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	0.55	16.4	5.5	21.9	25.11	30	0.73	0.67	0.17	24.0	6
02	0.39	11.2	8.9	20.1	44.28	29	0.69	0.41	0.42	24.0	15
03	0.43	13.2	8.4	21.6	38.89	31	0.7	0.49	0.27	24.0	27
04	0.52	15.1	8.5	23.6	36.02	29	0.81				
05	0.58	15.9	8.0	23.9	33.47	28	0.87	0.52	0.21	24.0	17
06	0.61	15.2	7.5	22.7	33.04	25	0.91	0.7	0.29	24.0	1
07	0.64	19.3	7.9	27.2	29.04	30	0.91	0.75	0.27	24.0	29
08	0.68	21.0	7.7	28.7	26.83	31	0.93	0.74	0.26	24.0	15
09	0.61	18.3	5.9	24.2	24.38	30	0.81	0.56	0.15	24.0	20
10	0.62	19.1	6.6	25.7	25.68	31	0.83	0.66	0.27	24.0	20
11	0.6	17.7	6.4	24.1	26.56	30	0.82	0.69	0.21	24.0	22
12	0.58	18.1	7.6	25.7	29.57	31	0.83	0.59	0.23	24.0	30
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	0.57	200.5	88.9	289.4	30.72	355	0.82				

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

WELL: 10140928L1 DALY 10-14-9-28 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	0.5	14.9	0.0	14.9	0.0	30	0.5	0.6	0.0	24.0	6
02	0.43	12.5	0.0	12.5	0.0	29	0.43	0.6	0.0	24.0	15
03	0.51	15.8	0.0	15.8	0.0	31	0.51	0.6	0.0	24.0	27
04	0.64	18.5	0.0	18.5	0.0	29	0.64				
05	0.68	18.8	0.0	18.8	0.0	28	0.68	0.6	0.0	24.0	17
06	0.52	13.0	0.0	13.0	0.0	25	0.52	0.6	0.0	24.0	1
07	0.55	16.6	0.0	16.6	0.0	30	0.55	0.64	0.0	24.0	29
08	0.58	17.9	0.0	17.9	0.0	31	0.58	0.63	0.0	24.0	15
09	0.52	15.5	1.7	17.2	9.88	30	0.57	0.48	0.19	24.0	20
10	0.53	16.4	0.8	17.2	4.65	31	0.56	0.57	0.0	24.0	20
11	0.52	15.3	0.0	15.3	0.0	30	0.52	0.59	0.0	24.0	22
12	0.5	15.6	0.0	15.6	0.0	31	0.5	0.51	0.0	24.0	30
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	0.54	190.8	2.5	193.3	1.29	355	0.55				

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

WELL: 13140928W1 DALY PROV 13-14-9-28 WPM

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	0.43	11.3	7.1	18.4	38.59	26	0.71				
02	0.4	9.5	4.7	14.2	33.1	24	0.59				
03	0.25	7.9	9.3	17.2	54.07	31	0.55				
04	0.44	12.8	3.2	16.0	20.0	29	0.55				
05	0.39	11.2	6.3	17.5	36.0	29	0.6				
06	0.43	12.8	3.1	15.9	19.5	30	0.53				
07	0.29	8.5	7.3	15.8	46.2	29	0.54				
08	0.45	13.8	3.0	16.8	17.86	31	0.54				
09	0.24	7.3	8.0	15.3	52.29	30	0.51				
10	0.38	11.7	3.1	14.8	20.95	31	0.48				
11	0.33	8.7	5.9	14.6	40.41	26	0.56				
12	0.24	2.1	3.5	5.6	62.5	9	0.63				
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	0.36	117.6	64.5	182.1	35.42	325	0.56				

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

WELL: 14140928B1 DALY PROV 14-14-9-28 WPM (BKN)

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	1.74	52.2	9.9	62.1	15.94	30	2.07	2.2	0.31	24.0	21
02	1.57	45.6	9.2	54.8	16.79	29	1.89				
03	1.81	52.5	8.0	60.5	13.22	29	2.09	1.93	0.25	24.0	25
04	2.05	59.5	7.7	67.2	11.46	29	2.32				
05	2.26	55.6	7.4	63.0	11.75	25	2.56	2.28	0.26	24.0	27
06	2.0	57.9	7.7	65.6	11.74	29	2.26	2.34	0.26	24.0	21
07	2.1	60.9	7.7	68.6	11.22	29	2.37	2.46	0.43	24.0	25
08	2.24	62.7	11.3	74.0	15.27	28	2.64				
09	1.98	56.3	8.1	64.4	12.58	28	2.27	2.01	0.24	24.0	12
10	2.09	59.3	8.2	67.5	12.15	28	2.38	2.4	0.38	24.0	14
11	2.27	64.7	10.6	75.3	14.08	29	2.64	2.61	0.47	24.0	12
12	2.31	71.5	14.7	86.2	17.05	31	2.78				
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	2.03	698.7	110.5	809.2	13.66	344	2.35				

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

WELL: 14140928L1 DALY PROV 14-14-9-28 WPM (LDG)

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	0.1	3.0	5.4	8.4	64.29	30	0.28	0.12	0.17	24.0	21
02	0.09	2.5	5.0	7.5	66.67	29	0.26				
03	0.1	3.0	4.7	7.7	61.04	29	0.27	0.12	0.17	24.0	25
04	0.13	3.7	5.3	9.0	58.89	29	0.31				
05	0.14	3.4	5.1	8.5	60.0	25	0.35	0.12	0.17	24.0	27
06	0.11	3.1	5.1	8.2	62.2	29	0.28	0.12	0.17	24.0	21
07	0.11	3.1	4.4	7.5	58.67	29	0.26	0.12	0.17	24.0	25
08	0.11	3.1	4.5	7.6	59.21	28	0.27				
09	0.11	3.2	4.5	7.7	58.44	28	0.27	0.12	0.17	24.0	12
10	0.12	3.3	4.4	7.7	57.14	28	0.27	0.12	0.17	24.0	14
11	0.11	3.2	4.7	7.9	59.49	29	0.28	0.13	0.21	24.0	12
12	0.12	3.6	6.6	10.2	64.71	31	0.33				
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	0.11	38.2	59.7	97.9	60.98	344	0.28				

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

WELL: 02230928B1 DALY 2-23-9-28 WPM (BAKKEN)

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	0.19	5.8	3.3	9.1	36.26	30	0.3				
02	0.19	5.6	2.5	8.1	30.86	29	0.28				
03	0.15	4.6	3.7	8.3	44.58	31	0.27				
04	0.18	5.2	1.9	7.1	26.76	29	0.24				
05	0.15	4.5	4.0	8.5	47.06	31	0.27				
06	0.07	2.1	12.8	14.9	85.91	29	0.51				
07	0.23	6.8	6.1	12.9	47.29	30	0.43				
08	0.19	5.9	4.8	10.7	44.86	31	0.35				
09	0.19	5.7	4.3	10.0	43.0	30	0.33				
10	0.2	6.1	3.1	9.2	33.7	31	0.3				
11	0.16	4.8	5.9	10.7	55.14	30	0.36				
12	0.15	4.5	6.8	11.3	60.18	31	0.36				
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	0.17	61.6	59.2	120.8	49.01	362	0.33				

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

WELL: 02230928L1 DALY 2-23-9-28 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	0.38	11.4	2.8	14.2	19.72	30	0.47				
02	0.38	10.9	2.2	13.1	16.79	29	0.45				
03	0.29	8.9	3.2	12.1	26.45	31	0.39				
04	0.35	10.2	1.6	11.8	13.56	29	0.41				
05	0.29	8.9	3.4	12.3	27.64	31	0.4				
06	0.14	4.0	11.3	15.3	73.86	29	0.53				
07	0.44	13.2	5.0	18.2	27.47	30	0.61				
08	0.37	11.5	4.1	15.6	26.28	31	0.5				
09	0.37	11.0	3.5	14.5	24.14	30	0.48				
10	0.38	11.9	2.6	14.5	17.93	31	0.47				
11	0.32	9.5	4.9	14.4	34.03	30	0.48				
12	0.28	8.8	5.7	14.5	39.31	31	0.47				
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	0.33	120.2	50.3	170.5	29.5	362	0.47				

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

WELL: 0423092881 DALY 4-23-9-28 WPM(BAKKEN)

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	0.32	8.4	0.0	8.4	0.0	26	0.32				
02	0.34	8.2	0.0	8.2	0.0	24	0.34				
03	0.35	10.8	0.0	10.8	0.0	31	0.35				
04	0.34	9.9	0.0	9.9	0.0	29	0.34				
05	0.19	5.9	0.0	5.9	0.0	31	0.19				
06	0.21	6.2	0.0	6.2	0.0	30	0.21				
07	0.26	7.9	0.0	7.9	0.0	30	0.26				
08	0.27	8.5	0.0	8.5	0.0	31	0.27				
09	0.25	7.5	0.0	7.5	0.0	30	0.25				
10	0.28	8.6	0.0	8.6	0.0	31	0.28				
11	0.26	7.7	0.0	7.7	0.0	30	0.26				
12	0.26	8.2	0.0	8.2	0.0	31	0.26				
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	0.28	97.8	0.0	97.8	0.0	354	0.28				

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

WELL: 04230928L1 DALY 4-23-9-28 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	0.34	8.9	11.3	20.2	55.94	26	0.78				
02	0.37	8.9	9.2	18.1	50.83	24	0.75				
03	0.37	11.6	6.2	17.8	34.83	31	0.57				
04	0.37	10.7	6.0	16.7	35.93	29	0.58				
05	0.21	6.4	14.3	20.7	69.08	31	0.67				
06	0.22	6.7	13.5	20.2	66.83	30	0.67				
07	0.28	8.4	8.8	17.2	51.16	30	0.57				
08	0.3	9.2	10.5	19.7	53.3	31	0.64				
09	0.27	8.1	9.5	17.6	53.98	30	0.59				
10	0.3	9.2	8.3	17.5	47.43	31	0.57				
11	0.28	8.3	8.5	16.8	50.6	30	0.56				
12	0.28	8.8	10.2	19.0	53.68	31	0.61				
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	0.3	105.2	116.3	221.5	52.51	354	0.63				

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

WELL: 06230928B1 DALY 6-23-9-28 WPM (BAKKEN)

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	1.23	36.8	14.7	51.5	28.54	30	1.72	1.59	0.57	24.0	17
02	1.14	32.3	16.6	48.9	33.95	28	1.73				
03	1.19	36.9	17.3	54.2	31.92	31	1.75	0.77	0.69	24.0	25
04	0.81	23.6	21.5	45.1	47.67	29	1.56				
05	0.73	22.3	42.1	64.4	65.37	31	2.11	0.7	1.61	24.0	27
06	0.62	18.6	49.8	68.4	72.81	30	2.28	0.7	1.62	24.0	22
07	0.6	18.0	44.2	62.2	71.06	30	2.07	0.62	1.63	24.0	25
08	0.56	17.4	46.7	64.1	72.85	31	2.07	0.62	1.53	24.0	27
09	0.56	16.9	43.7	60.6	72.11	30	2.03	0.62	1.63	24.0	12
10	0.57	17.6	44.8	62.4	71.79	31	2.03	0.6	1.56	24.0	14
11	0.55	16.4	39.2	55.6	70.5	30	1.86	0.62	1.51	24.0	12
12	0.54	16.8	47.1	63.9	73.71	31	2.07				
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	0.76	273.6	427.7	701.3	60.99	362	1.94				

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

WELL: 06230928L1 DALY 6-23-9-28 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	0.92	27.7	270.8	298.5	90.72	30	9.95	1.12	8.52	24.0	19
02	0.8	22.8	247.1	269.9	91.55	28	9.53				
03	0.95	29.4	248.0	277.4	89.4	31	8.95	1.12	8.52	24.0	25
04	1.19	34.5	265.9	300.4	88.52	29	10.36				
05	3.31	101.1	519.9	621.0	83.72	31	20.31	4.69	19.96	24.0	27
06	4.18	125.3	617.5	742.8	83.13	30	24.76	4.74	20.08	24.0	22
07	4.09	122.6	547.2	669.8	81.7	30	22.33	4.19	20.27	24.0	25
08	3.82	118.0	581.6	699.6	83.13	31	22.63	4.2	19.02	24.0	27
09	3.82	114.4	545.1	659.5	82.65	30	22.04	4.19	20.31	24.0	12
10	3.85	118.5	559.8	678.3	82.53	31	22.06	4.02	19.47	24.0	14
11	3.67	109.7	487.4	597.1	81.63	30	19.96	4.15	18.81	24.0	12
12	3.66	113.2	586.5	699.7	83.82	31	22.63				
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	2.87	1037.2	5476.8	6514.0	84.08	362	18.03				

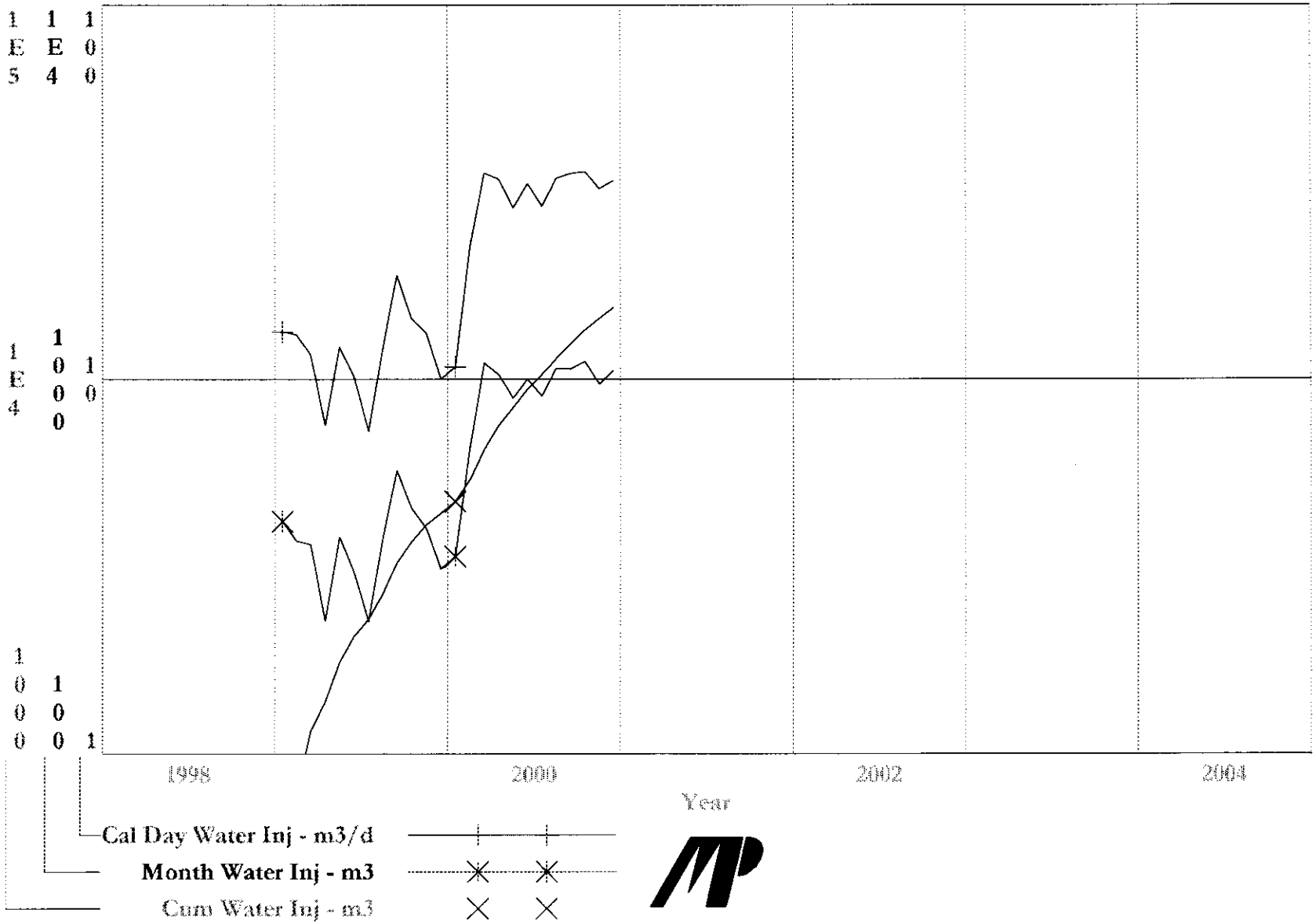
ATTACHMENT NO.4

INJECTION PERFORMANCE PLOT WELL 11-14-9-28

00/11-14-009-28W1/0 (Cromer Unit No. 1 Prov. WIW 11-14-09-28W1) Data 10/93-12/00

Operator:
Field: 1
Zone: 60I
Type: Unknown
Group: crulbakw

Production Cums
Oil: 4191.4 m3
Gas: 0 E6m3
Water: 571.503 m3
Cond: 0 m3



ATTACHMENT NO.5

HISTORICAL INJECTION DATA FOR WELL 11-14-9-28

Production Report

Group	:	cru1bakw	Date	:	September 1, 2006 4:31:42 am
Well	:	Cromer Unit No. 1 Prov. WIW 11-14-09-28W1	User	:	George
	:	00/11-14-009-28W1/0			
Hist.Data	:	10/93-12/00	On Prod	:	02/09
Operator	:		Status	:	Unknown
Field	:	1	Zone	:	60I

Production Data from January, 1999 to December, 2000

Year	Cal Day Water Inj m3/d	Month Water Inj m3	Cum Water Inj m3
Jan., 1999	13.4323	416.4	416.4
Feb., 1999	13.1822	369.101	785.501
Mar., 1999	11.6516	361.199	1146.7
Apr., 1999	7.54334	226.3	1373
May., 1999	12.2032	378.299	1751.3
Jun., 1999	10.1633	304.9	2056.2
Jul., 1999	7.26775	225.3	2281.5
Aug., 1999	11.9548	370.6	2652.1
Sep., 1999	18.96	568.8	3220.9
Oct., 1999	14.5742	451.801	3672.7
Nov., 1999	13.3033	399.1	4071.8
Dec., 1999	10.0226	310.699	4382.5
Jan., 2000	10.8291	335.701	4718.2
Feb., 2000	22.7138	658.7	5376.9
Mar., 2000	35.6549	1105.3	6482.2
Apr., 2000	34.3167	1029.5	7511.7
May., 2000	28.758	891.499	8403.2
Jun., 2000	33.3967	1001.9	9405.1
Jul., 2000	29.1	902.1	10307.2
Aug., 2000	34.5871	1072.2	11379.4
Sep., 2000	35.5334	1066	12445.4
Oct., 2000	35.9903	1115.7	13561.1
Nov., 2000	32.37	971.101	14532.2
Dec., 2000	34.0323	1055	15587.2