

Bluitt San Andres Production for 1984

<u>Month</u>	20 C Fasken Federal #1		0 Fasken Federal #2		Union Federal 20 #1	
	<u>BO</u>	<u>Mcf</u>	<u>BO</u>	<u>Mcf</u>	<u>BO</u>	<u>Mcf</u>
Jan	0	2885	0	2885	110	131
Feb	0	2296	0	2297	59	113
Mar	0	1674	0	1674	28	47
Apr	0	2460	0	2109	29	79
May	0	2620	0	2246	29	55
June	0	2672	0	2290	84	139
July	0	2381	0	2042	113	352
Aug	0	2243	0	1923	82	176
Sept	0	1696	0	1454	55	1052
Oct	0	2138	0	1834	61	809
Nov	0	2098	0	1798	55	1041
Dec	0	2041	0	1751	58	1177
Jan	0	1902	0	1631	52	1136
Feb	0	1919	0	1645	56	2055
Mar	0	1627	0	1395	34	1297
Apr					48	2189

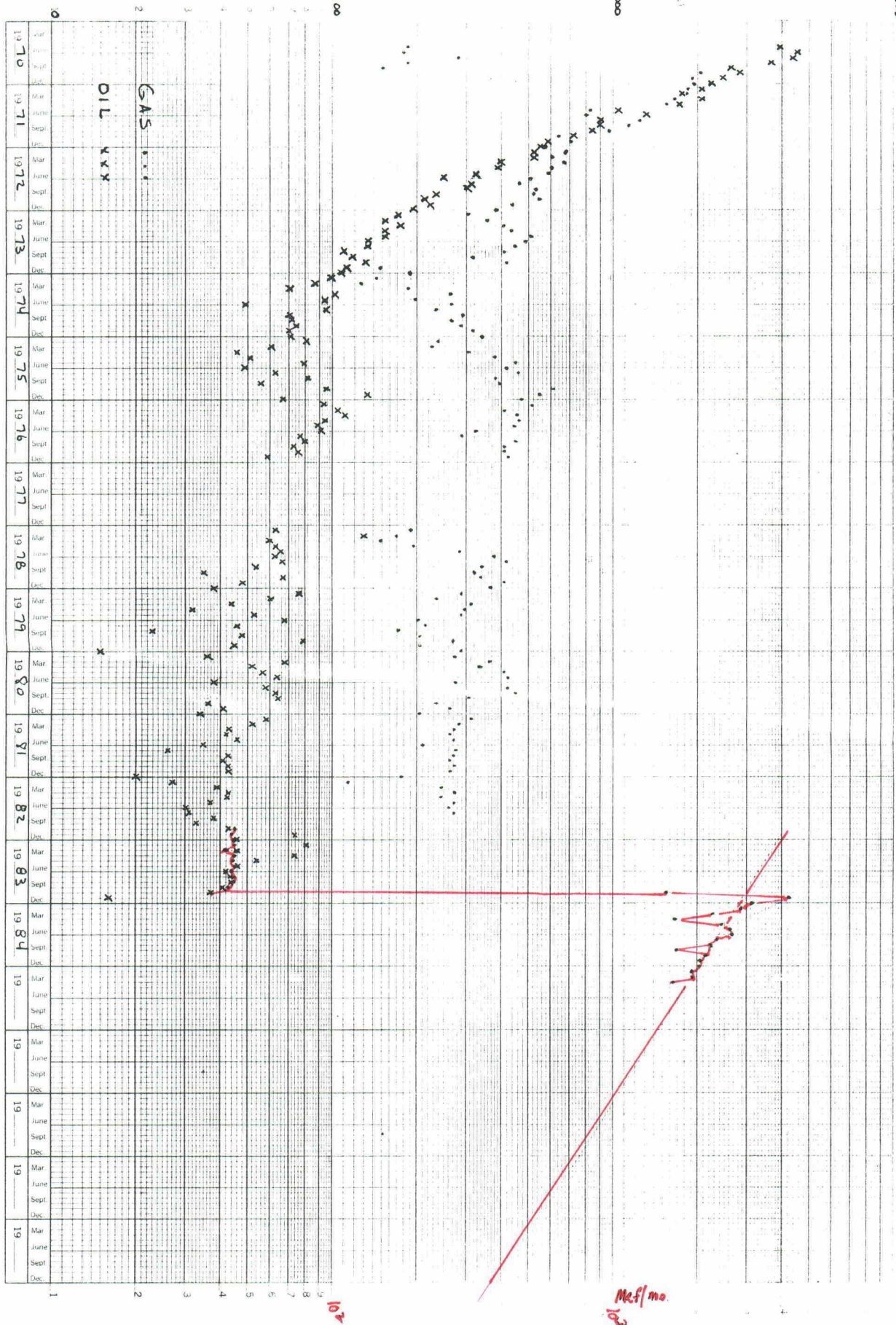
Yates

4

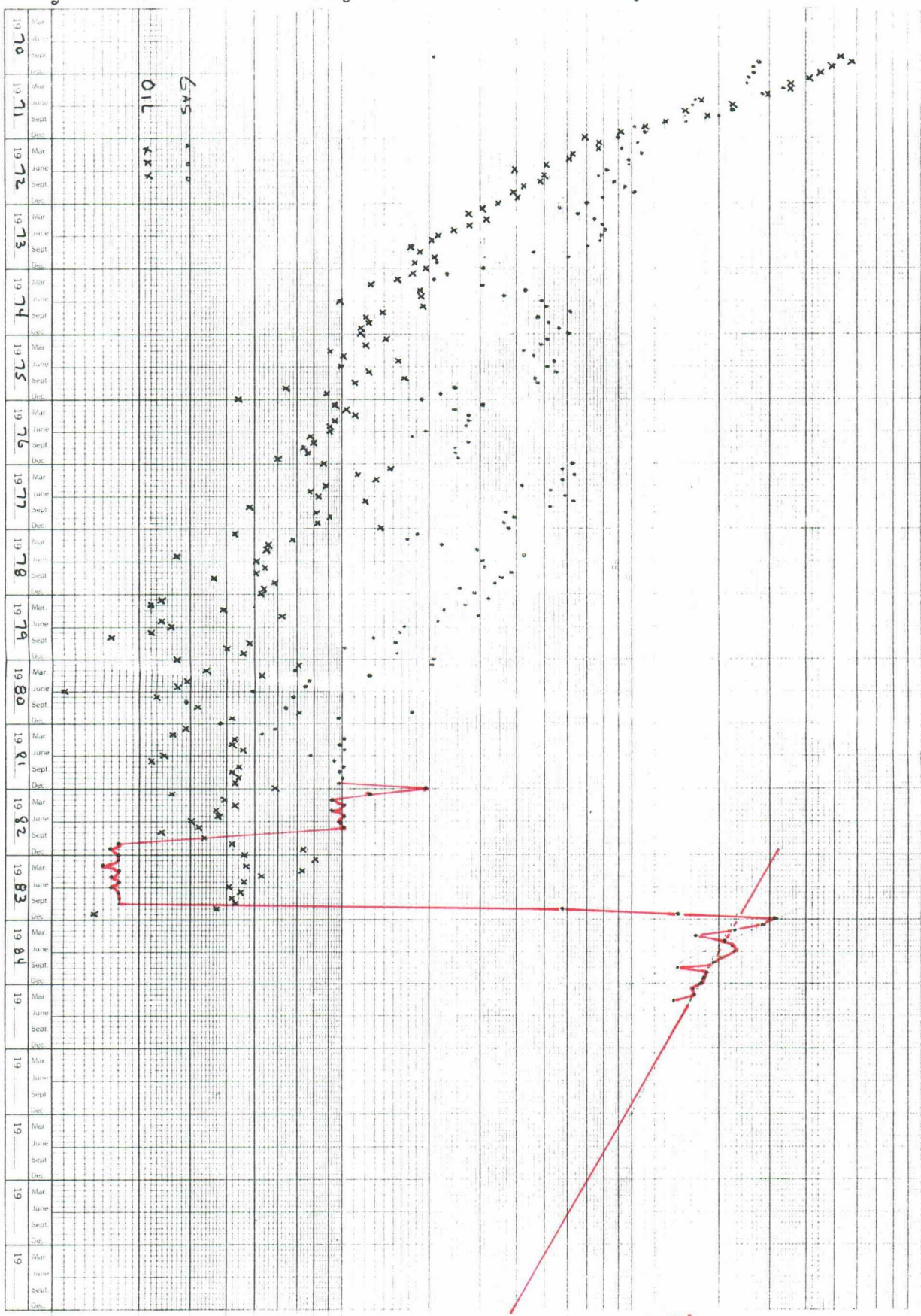
8619

TENNECO FASKEN FEDERAL #1
C 20-8-38

BOTH



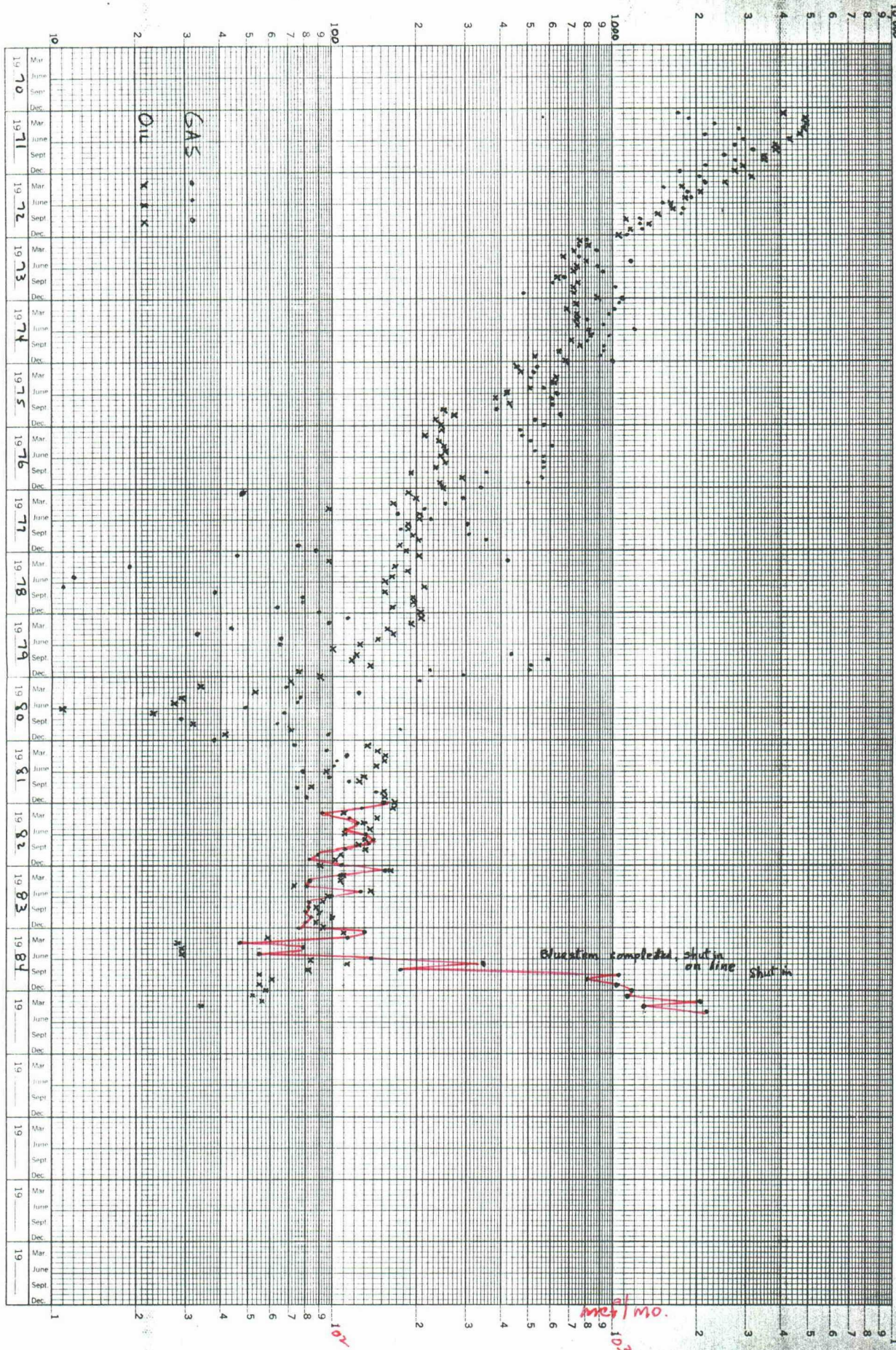
TENNECO FASKEN FEDERAL #2
D 20-8-38



GAS
OIL

10³ mol/min

UNION FEDERAL 20 * 1 B 20-8-38



Blue stem ZL Federal #1

Depth	ϕ	S_w	μ_{sw}
4634-35	.043	.09	
36	.063	.09	
37	.080	.09	
38	.068	.09	
42	.058	.09	
43	.052	.09	.0328
44	.048	.12	
45	.049	.12	
46	.048	.12	
47	.046	.12	
48	.042	.12	.0280
$h = 11 ft$			
	.0543 avg	.112 avg	$\Sigma = .0608$

4654-55	.045	.11	
56	.062	.11	
57	.066	.11	
58	.058	.11	
59	.046	.11	
60	.044	.11	
61	.044	.11	
62	.047	.11	.0453
63	.046	.15	
64	.054	.15	
65	.051	.15	
66	.048	.15	.0299
67	.050	.09	
68	.046	.09	.0086
69	.045	.15	
70	.045	.15	
71	.040	.15	.0195
$h = 17 ft$			
	.0492	.124	.0133

4696-97	.037	.18	
98	.037	.18	.0133
99	.045	.11	
4700	.057	.11	.0112
07	.045	.16	
08	.056	.16	
09	.055	.16	
10	.056	.16	
11	.050	.16	
12	.037	.16	.0478
13	.040	.15	
14	.060	.15	
15	.065	.15	.0248
21	.043	.17	
22	.045	.17	
23	.044	.17	
24	.042	.17	
25	.048	.17	
26	.046	.17	
27	.045	.17	.0456
28	.060	.15	
29	.075	.15	
30	.086	.15	
31	.083	.15	
32	.081	.15	.0578
$h = 25 ft$			
	.0535	.15	.2005

$$h = 53 ft \quad \phi_{avg} = .054 \quad S_w = .127$$

$$\text{Conformance Factor} = 0.11403 + .2719 \log k + .2556 q S_w - .1355 \log \mu - 1.538 + .00035 h$$

$$= 0.11403 - .03590 + .03247 + .25556 - .02305 - .01855$$

$$\text{Eff } h = 53(.2645) = 14 ft.$$

Data from Reservoir Limits Test & BHP Survey

$$\text{Gas Gravity } 0.737 \quad \text{GOR } 1/10000 \quad \text{Grav} = 0.767$$

$$P_e = 676 \text{ psia} \quad T_e = 383^\circ R \quad \text{BHT} = 567^\circ R$$

$$\text{Static BHP} = P_e = 969.2 \text{ psia} \quad P_r = 1.434 \quad Z = .8583$$

$$\text{Flowing BHP} = P_w = 711.2 \text{ psia} \quad P_r = 1.052 \quad Z = .8920$$

$$\text{Average BHP} = \bar{P} = 952.4 \text{ psia} \quad P_r = 1.409 \quad Z = .860$$

$$\text{Average Flow Rate } q = 480 \text{ mcfpd} = 85.485 \text{ STB/D}$$

$$\text{Viscosity } \mu_g = (0.0106 + .0006 + .0003) 1.13 = 0.0130 \text{ cp}$$

$$\text{Gas FVF} = \beta_g = \frac{15.025 \times 567 \times 0.8583}{969.2 \times 520} = 1.45 \times 10^{-3} \text{ RB/STB}$$

$$\text{Rock Compressibility } C_R = 7.0 \times 10^{-6} \text{ psi}^{-1}$$

$$\text{Fm Wtr Compressibility } C_w = 2.2 \times 10^{-6} \text{ psi}^{-1}$$

$$\text{Gas Compressibility } C_g = \frac{C_{pr}}{P_e} = \frac{0.793}{676} = 1.173 \times 10^{-3} \text{ psi}^{-1}$$

$$\text{total Compressibility } C_t = [1.173(.873) + 2.2(1.2) + 7] \times 10^{-6}$$

$$C_t = 1.031 \times 10^{-6} \text{ psi}^{-1}$$

From Horner Plot steady state slope $m = 67 \text{ psi/cycle}$

$$\text{then } kh = \frac{162.6 q B \mu}{m} = \frac{162.6 (85.485 \times 0.013) (0.013)}{67}$$

$$\text{Eff } Kh = 39.166 \text{ md-ft} \quad k = 2.793 \text{ md}$$

distance to boundary @ 61 km.

$$r_d = 0.029 \sqrt{\frac{k t}{\phi \mu C_t}} = 0.029 \sqrt{\frac{2.793 (61) 10^6}{0.054 (0.013) 1031}} = 445 ft$$

From (Drawdown) Limits Testing, $m^* = -0.45 \text{ psi/h}$

P1 Connected Reservoir Drainage Volume is

$$\text{Only } \phi h A = \frac{0.23395 q B}{C_t m^*} = \frac{0.23395 (480) (0.013)}{0.054 (-0.45)} = 3.51 \text{ mm}$$

$$\text{or } \frac{3510000}{43560} = 80.5 \text{ acres}$$

P2 to P1 Dist. 1/2 mi

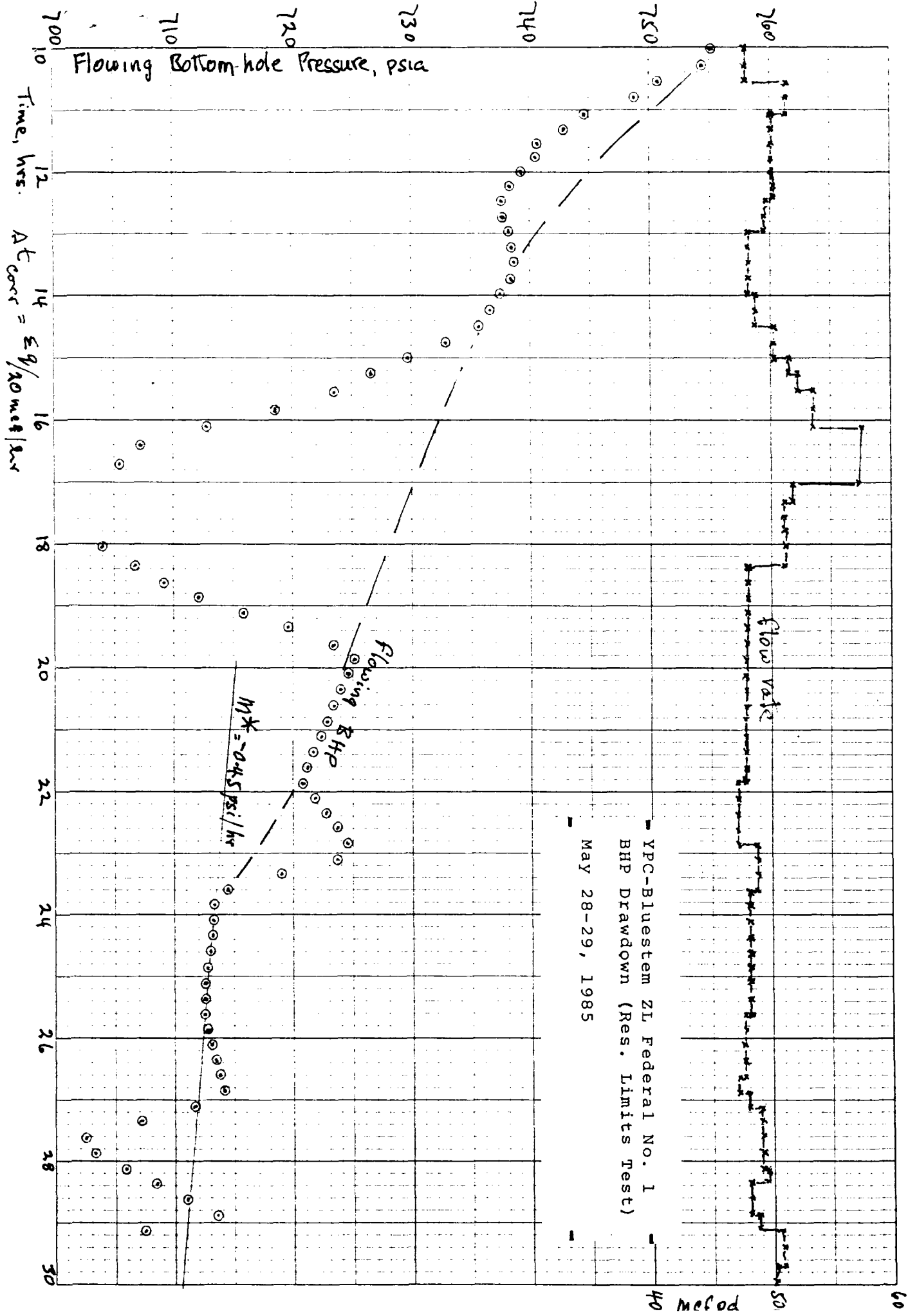
OIL COMPANY DIVISION	
Yates	5
8619	

BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

COMPANY YATES PETROLEUM	LEASE NAME BLUESTEM "ZL" FED	WELL NO. 1	TEST EQUIPMENT PORT-A-CHECK	DATE MO. 5 /DAY 28 /YR. 85	REMARK 1.500 1/G
FIELD	FORMATION SAN ANDERS	SEC. TWP. RGE. 20 8S 38E	COUNTY ROOSEVELT	STATE NEW MEXICO	
TEST BY B.J. CATHEY	TYPE TEST FLOW	COMPANY REP. EDDIE MAFOOD	METER RUN 2.067	TAPS FLANGE	
			PROVER 0	TANK SIZE	

		1.500" x 2"															
Date	Time	Stat	Diff	A _g mcf		Z _g mcf		E _{g/20} = Δt		BHP, psia		WHP, psia					
5-28-85	1500	48	4						0		969	2					1
	1700	48	4	13	70	13	70		068		953	2					2
	15	58	5	16					091		936	3					3
	30	}	}						117		919	5					4
	45	}	}						142		901	2					5
	1800	58	5	16	19	77	33	47	162		885	9					6
	15	59	5	16	5				192		874	1					7
	30	}	}						218		863	4					8
	45	}	}						243		858	0					9
	1900	59	5	16	5	20	22	53	69	268	851	0					10
	15	60	18						295		844	2					11
	30	}	}						322		837	6					12
	45	}	}						348		831	1					13
	2000	60	18		21	19	74	88	374		824	6					14
	15	60	16						399		818	5					15
	30	}	}						424		814	1					16
	45	}	}						449		809	6					17
	2100	60	16		19	98	94	86	474		800	4					18
	15	60	17		51	5	100	01	500		803	2					19
	30	60	25		62	4	106	25	531		801	4					20
	45	63	22	5	60	4	112	29	561		789	8					21
	2200	62	21		58	0	118	09	590		780	4					22
	15	61	18	5					618		778	8					23
	30	61	18	5	10	81	128	90	645		778	8					24
	45	61	20						670		778	5					25
	2300	61	20						695		773	4					26
	15	61	20		14	99	143	89	719		767	7					27
	30	61	26		64	1	150	30	751		764	8					28
	45	63	24						779		757	4					29
	2400	63	24		8	91	159	21	796		747	3					30
29-85	0015	62	18						823		743	4					31
	0030	62	18		10	74	169	95	850		748	9					32
	0045	60	17	5					876		754	2					33
	0100	60	17	5	10	45	180	40	902		754	8					34
	15	60	16	5					929		755	3					35
	30	60	16	5	10	14	190	54	953		755	9					36
	45	60	16						978		756	1					37
	0200	}	}						1003		755	2					38
	15	}	}						1028		754	3					39
	30	60	16		19	98	210	52	1053		751	7					40
	45	60	18	5					1080		748	8					41
	0300	60	18	5	10	74	221	26	1106		744	7					42
	15	60	17	5					1130		742	9					43
	30	60	17	5					1154		741	7					44



BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

COMPANY YATES PETROLEUM	LEASE NAME BLUESTEM "ZL" FED	WELL NO. 1	TEST EQUIPMENT PORT-A-CHECK		DATE NO. 5 /DAY 28 /YR. 85		REMARK 1.500 1/G
FIELD	FORMATION SAN ANDERS	SEC. TWP. RGE. 20 8S 38E	COUNTY ROOSEVELT		STATE NEW MEXICO		
TEST BY B.J. CATHEY	TYPE TEST FLOW	COMPANY REP. EDDIE MAFOOD	METER RUN 2.067	TAPS FLANGE	PROVER 0	TANK SIZE	

		1.500" x 2"																	
Date	Time	Stat	Diff	Δg, mcf	Σg, mcf	Σg/20 mcf/hr ^{ΔC}	BHP, psia	WHP, psig											
5-29-85	0345	60	17.5			11.77	740.5											1	
	0400	60	17.5			12.00	739.3											2	
	15	60	17.5			12.23	738.2											3	
	30	60	17.5	27.86	249.12	12.46	737.7											4	
	45	60	17			12.72	737.9											5	
	0500	60	17	10.30	259.42	12.92	738.2											6	
	15	60	16			13.22	738.5											7	
	30	60	16			13.49	738.7											8	
	45	60	16			13.72	738.4											9	
	0600	60	16	19.98	279.40	13.92	737.5											10	
	15	60	16.5			14.23	736.6											11	
	30	60	16.5	10.14	289.54	14.48	735.7											12	
	45	60	17.5			14.74	732.9											13	
	0700	60	17.5	10.45	299.99	15.00	729.8											14	
	15	60	18	5.37	305.36	15.27	726.6											15	
	30	60	19	5.44	310.80	15.54	723.5											16	
	45	61.5	19.5			15.82	718.6											17	
	0800	61.5	19.5	11.14	321.94	16.10	712.9											18	
	15	63	22			16.40	707.3											19	
	30	63	22			16.70	705.4											20	
	45	63	22			17.00	696.8											21	
	0900	63	22	23.90	345.84	17.29	690.8											22	
	15	61.5	18	5.40	351.24	17.56	686.9											23	
	30	61.5	18			17.80	693.6											24	
	45	61.5	18			18.04	704.0											25	
	1000	61.5	18	15.98	367.22	18.36	706.8											26	
	15	60	16			18.61	709.2											27	
	30	60	16			18.86	712.1											28	
	45	60	16			19.11	715.9											29	
	1100	60	16	19.98	387.20	19.36	719.6											30	
	15	60	16			19.61	723.4											31	
	30	60	16			19.86	725.1											32	
	45	60	16			20.11	724.6											33	
	1200	60	16	19.98	407.18	20.36	724.0											34	
	15	60	16			20.61	723.4											35	
	30	60	16			20.86	722.9											36	
	45	60	16			21.11	722.3											37	
	1300	60	16	19.98	427.16	21.36	721.7											38	
	15	60	16			21.61	721.2											39	
	30	60	16	9.99	437.15	21.86	720.9											40	
	45	60	15.5			22.11	721.9											41	
	1400	60	15.5			22.36	722.8											42	
	15	60	15.5			22.60	723.7											43	
	30	60	15.5	19.66	456.81	22.84	724.6											44	

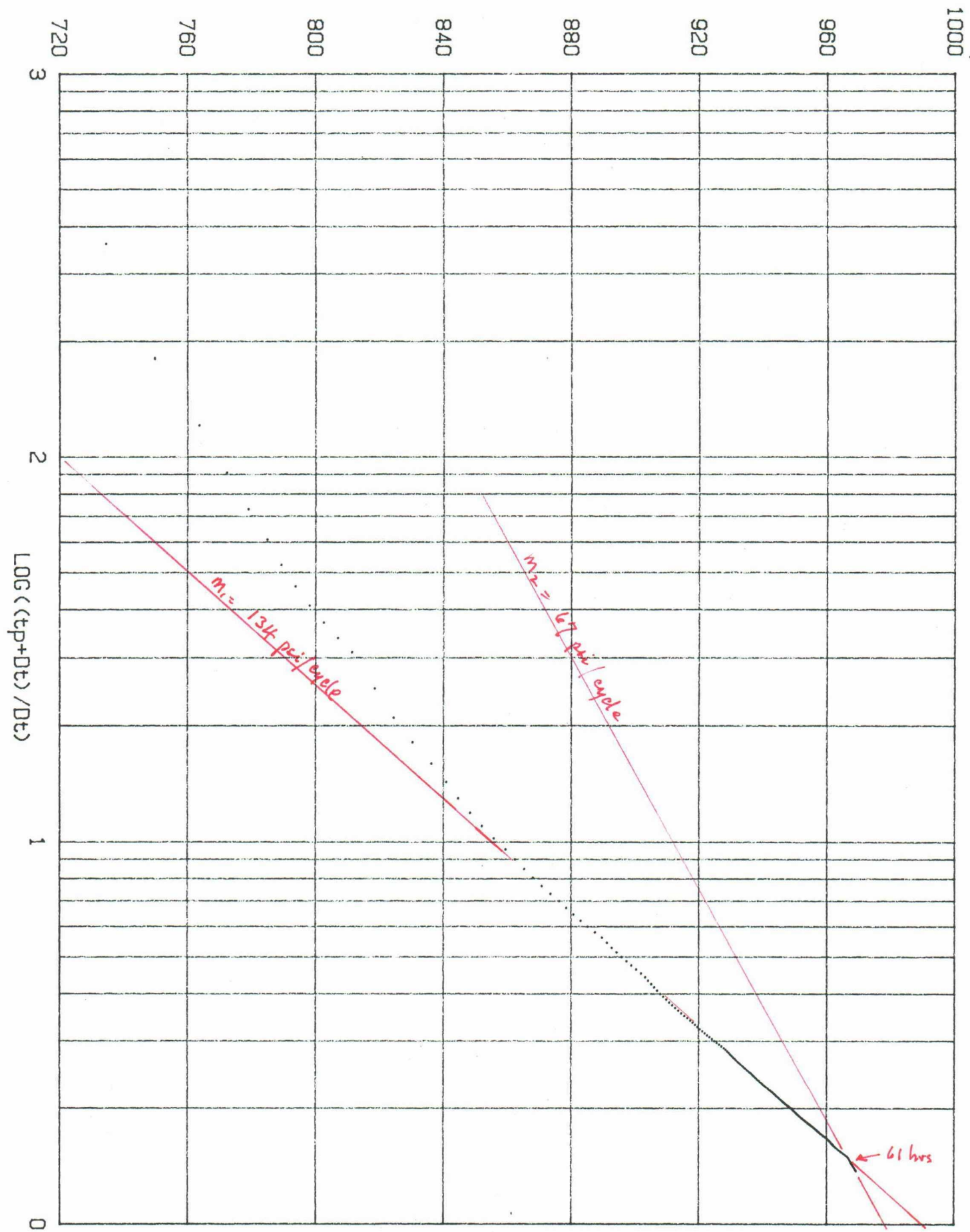
BENNETT - CATHEY

(505) 746-3354 / Artesia, New Mexico 88210

COMPANY		LEASE NAME		WELL NO.		TEST EQUIPMENT		DATE		REMARKS	
YATES PETROLEUM		BLUESTEM "ZL" FED		1		PORT-A-CHECK		MO. 5 /DAY 28 /YR. 85			
FIELD		FORMATION		SEC. TWP. RGE.		COUNTY		STATE			
		SAN ANDERS		20 8S 38E		ROOSEVELT		NEW MEXICO			
TEST BY		TYPE TEST		COMPANY REP.		METER RUN		TAPS		PROVER	TANK SIZE
B.J. CATHEY		FLOW		EDDIE MAFOOD		2.067		FLANGE		0	

Date Time		1.500" x 2"		Aq, mcf		Eg, mcf		Eg/20 = ΔT		BHP, psia		WHIP, pig		
5/29/85	1445	60	16.5						23.10		723.6			1
	1500	60	16.5						23.35		719.0			2
	15	60	16.5	15.21		472.02			23.60		714.4			3
	30	60.5	16						23.85		713.3			4
	45	60.5	16						24.10		713.2			5
	1600	60.5	16						24.35		713.1			6
	15	60.5	16	20.04		492.06			24.60		713.0			7
	30	44.5	20.5						24.86		712.8			8
	45	44.5	20.5						25.11		712.7			9
	1700	44.5	20.5						25.36		712.6			10
	15	44.5	20.5	20.07		512.13			25.61		712.5			11
	30	43.5	20.5						25.86		712.8			12
	45	43.5	20.5						26.11		713.1			13
	1800	43.5	20.5						26.36		713.4			14
	15	43.5	20.5	19.90		532.03			26.60		713.8			15
	30	43.5	20	49.1		536.94			26.85		714.1			16
	45	60	16	49.9		541.93			27.10		711.7			17
	1900	59	17						27.36		707.1			18
	15	59	17						27.62		702.5			19
	30	59	17						27.87		703.4			20
	45	59	17	20.45		562.38			28.12		705.9			21
	2000	60	17	5.15		567.53			28.38		708.4			22
	15	60	16						28.63		711.0			23
	30	60	16	9.99		577.52			28.88		713.5			24
	45	60	16.5	5.07		582.59			29.13		707.4			25
	2100	60	18						29.40		694.1			26
	15	60	18	10.59		593.18			29.66		691.0			27
	30	60	17.5						29.92		688.1			28
	45	60	17.5	10.44		603.62			30.18		686.1			29
	2200	60	17	5.15		608.77			30.44		684.1			30
	15	59.5	15.5	4.90		613.67			30.68		687.6			31
	30	58.5	15.5	4.86		618.53			30.93		693.9			32
	45	59.5	15	4.75		623.28			31.16		700.8			33
	53	59	15.5	2.56		625.84			31.29		704.1			34
														35
														36
														37
														38
														39
														40
														41
														42
														43
														44

p psia



COMPANY: YATES PETROLEUM CORPORATION
LEASE: BLUE STEM "ZL" FEDERAL
FIELD:
COUNTY: ROOSEVELT
STATUS: FLOWING BHP & SHUT IN BHP

CONTACT: EDDIE MAHFOOD
WELL: #1
ZONE: SAN ANDRES
STATE: NEW MEXICO
OPERATOR: BO FAULKENBERRY

PERFORATIONS FROM: 4630 ft
DEPTH: 4540 ft

TO: 4720 ft
TEMPERATURE: 124°F

ELEMENT# RPG3#29353
CLOCK# 20915
ELEMENT# RPG3#7201
CLOCK# 28660

RANGE: 6000 psi
RANGE: 120 hrs
RANGE: 3200 psi
RANGE: 120 hrs

START CLOCK	05/28/85	13:15:00	774 psig
SET ELEMENT	05/28/85	13:48:00	774 psig
WELL SHUT IN	05/29/85	23:00:00	533 psig
TEST ENDED	06/02/85	08:54:00	828 psig

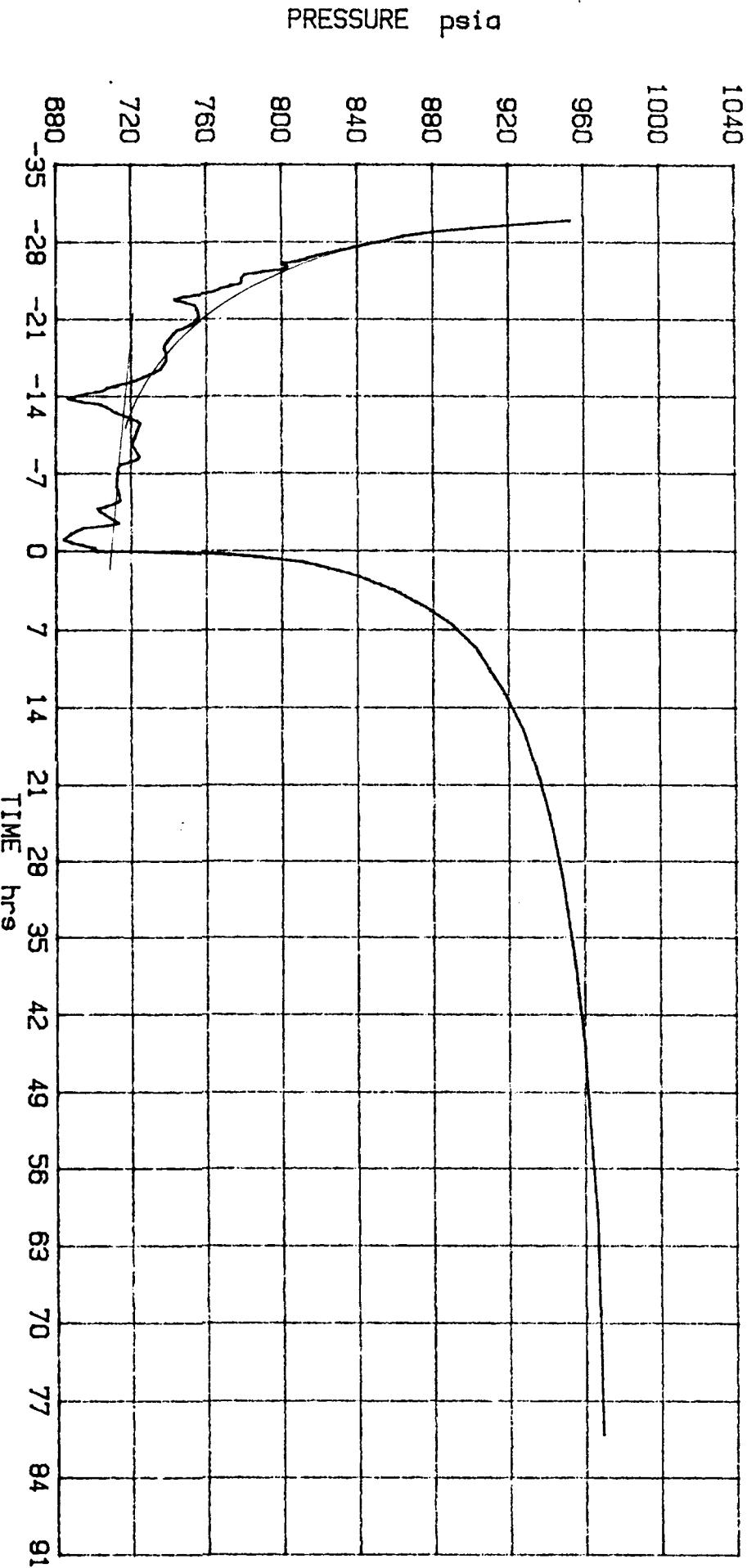
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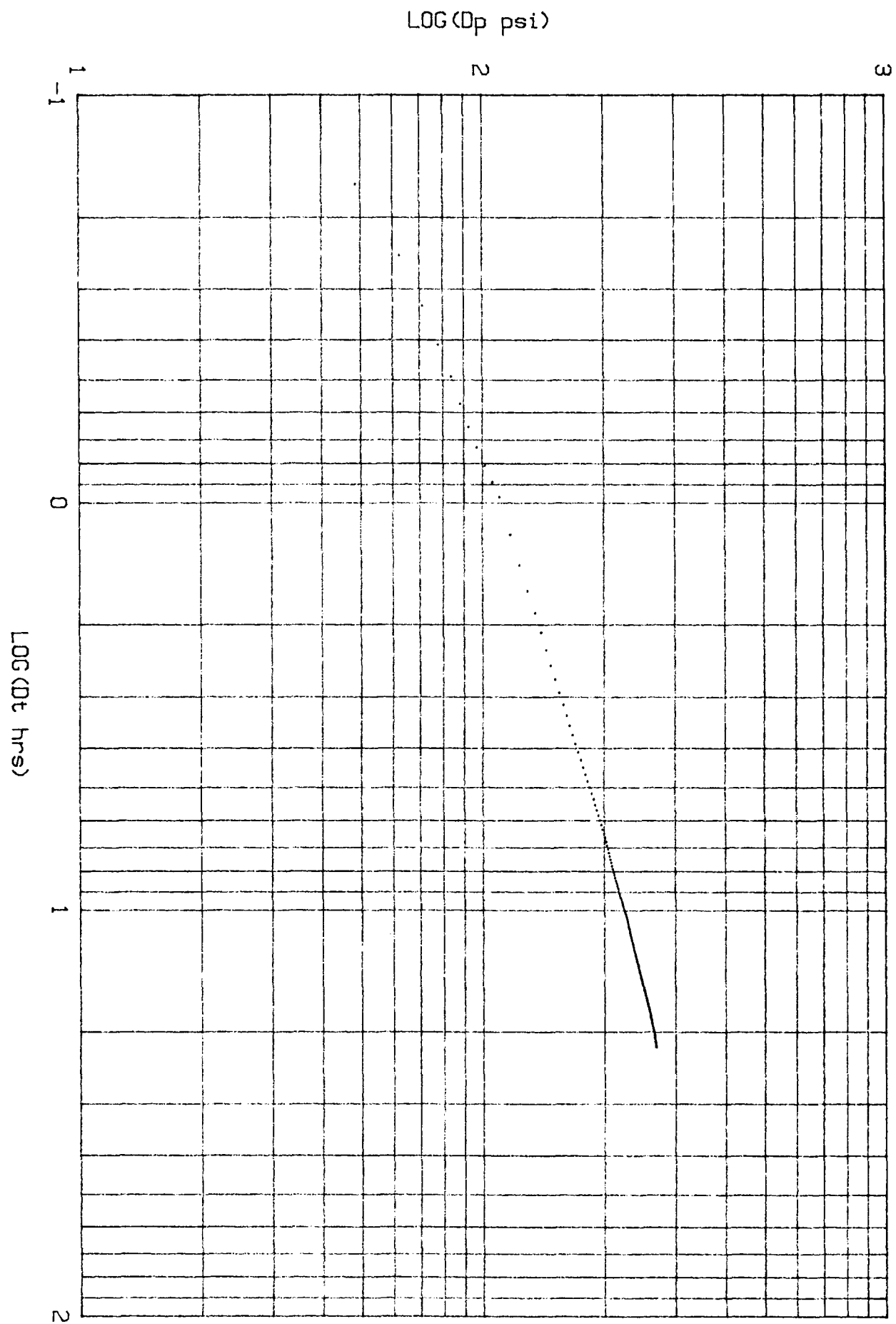
C/qwf= 0 hrs/psi
Gain= 1
tsi= 0 hrs
tp= 30 hrs
m= 0 psi/cycle

oA= 13.2 psia
Bias= 6 psi
owf= 701.1228 psia
dps= 0 psi
o*= 0 psia

TEST DATE: 05/28/85 TO 06/02/85
TEST DEPTH: 4540 ft
ELEMENT NO: RPC3#7201
RANGE: 3200 psig
CLOCK: 28660
RANGE: 120 hrs
OPERATOR: BO FAULKENBERRY

EDDIE MAHFLOOD
YATES PETROLEUM CORPORATION
BLUE STEM "ZL" FEDERAL #1
BENNETT-CATHEY WIRE LINE SERVICE
Box 787 Artesia, N.M. 88210 (505) 748-3354







BENNETT-CATHEY WIRE LINE SERVICE

P. O. BOX 787
ARTESIA, NEW MEXICO 88210
Phone (505) 746-3281



BOTTOM HOLE PRESSURE SURVEY REPORT

OPERATOR YATES PETROLEUM
LEASE BLUE STEM "ZL" FED
WELL NO. 1
POOL FORMATION SAN ANDRES
DATE 5-28-85 TIME 0854 HOURS
CO. MAN EDDIE MAFOOD
STATUS SHUT IN TEST DEPTH 4540
TIME S.I. 2300 HRS LAST TEST DATE 5-29-85
BHP LAST TEST 969.2
TUB. PRES. 841.2 BHP CHANGE 124.0
CAS. PRES. FLUID TOP
DATUM PLANE WATER TOP
DATUM PSIA 969.2 RUN BY STEVE SILVEIRA
TEMP 124° CLOCK # 3490
PRESSURE RANGE 6000
ELEMENT NO. RPG#29353

DEPTH	PSIA PRESSURE	LBS/100 FT GRADIENT
0	841.2	
1000	868.2	2.7
2000	894.2	2.6
3000	920.2	2.6
4390	957.2	2.7
4540	963.2	4.0
4675	969.2	4.4

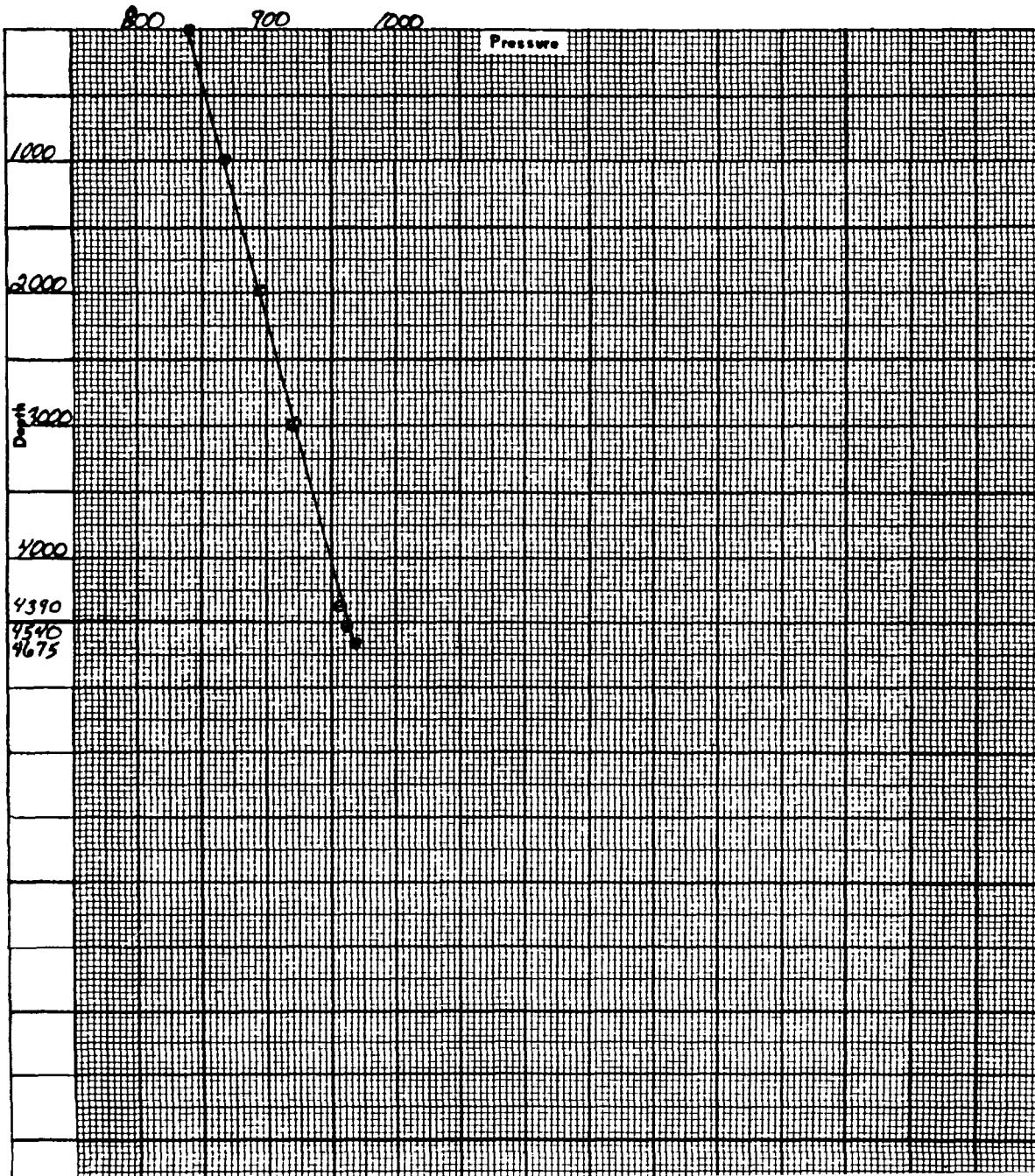
4675 FEET WAS EXTRAPOLATED

TIME B.H.P. MEASURED 0854 HOURS

LENGTH OF TIME WELL SHUT IN

81 HOURS 54 MINUTES

PERFORATIONS FROM 4630 TO 4720



BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-9354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

COMPANY: YATES PETROLEUM CORPORATION
 LEASE: BLUE STEM "ZL" FEDERAL
 FIELD:
 COUNTY: ROOSEVELT
 STATUS: FLOWING BHP & SHUT IN BHP

CONTACT: EDDIE MAHFOOD
 WELL: #1
 ZONE: SAN ANDRES
 STATE: NEW MEXICO
 OPERATOR: BO FAULKENBERRY

PERFORATIONS FROM: 4,630.0'
 ELEMENT DEPTH: 4,540.0'

TO: 4,720.0'
 TEMPERATURE: 124.0°F

ELEMENT: RPG3#29353
 CLOCK: 20915
 ELEMENT: RPG3#7201
 CLOCK: 28660

RANGE: 6000 psig
 RANGE: 120 hrs
 RANGE: 3200 psig
 RANGE: 120 hrs

SURFACE PRESSURE MEASUREMENTS

EVENT	DATE	TIME	DEAD WEIGHT PRESSURE
START CLOCK	05/28/85	13:15:00	774.0 psig
SET ELEMENT	05/28/85	13:48:00	774.0 psig
WELL SHUT IN	05/29/85	23:00:00	533.0 psig
END OF TEST	06/02/85	08:54:00	828.0 psig

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/28/85	17:00:00	-30.000	934.0	947.2	953.2
05/28/85	17:15:00	-29.750	917.1	930.3	936.3
05/28/85	17:30:00	-29.500	900.3	913.5	919.5
05/28/85	17:45:00	-29.250	882.0	895.2	901.2
05/28/85	18:00:00	-29.000	866.7	879.9	885.9
05/28/85	18:15:00	-28.750	854.9	868.1	874.1
05/28/85	18:30:00	-28.500	844.7	857.9	863.9
05/28/85	18:45:00	-28.250	838.8	852.0	858.0
05/28/85	19:00:00	-28.000	831.8	845.0	851.0
05/28/85	19:15:00	-27.750	825.0	838.2	844.2
05/28/85	19:30:00	-27.500	818.4	831.6	837.6
05/28/85	19:45:00	-27.250	811.9	825.1	831.1
05/28/85	20:00:00	-27.000	805.4	818.6	824.6
05/28/85	20:15:00	-26.750	799.3	812.5	818.5
05/28/85	20:30:00	-26.500	794.9	808.1	814.1
05/28/85	20:45:00	-26.250	790.4	803.6	809.6
05/28/85	21:00:00	-26.000	781.2	794.4	800.4
05/28/85	21:15:00	-25.750	784.0	797.2	803.2
05/28/85	21:30:00	-25.500	782.2	795.4	801.4
05/28/85	21:45:00	-25.250	770.6	783.8	789.8
05/28/85	22:00:00	-25.000	761.2	774.4	780.4
05/28/85	22:15:00	-24.750	759.6	772.8	778.8

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/28/85	22:30:00	-24.500	759.6	772.8	778.8
05/28/85	22:45:00	-24.250	759.3	772.5	778.5
05/28/85	23:00:00	-24.000	754.2	767.4	773.4
05/28/85	23:15:00	-23.750	748.5	761.7	767.7
05/28/85	23:30:00	-23.500	745.6	758.8	764.8
05/28/85	23:45:00	-23.250	738.2	751.4	757.4
05/29/85	00:00:00	-23.000	728.1	741.3	747.3
05/29/85	00:15:00	-22.750	724.2	737.4	743.4
05/29/85	00:30:00	-22.500	729.7	742.9	748.9
05/29/85	00:45:00	-22.250	735.0	748.2	754.2
05/29/85	01:00:00	-22.000	735.6	748.8	754.8
05/29/85	01:15:00	-21.750	736.1	749.3	755.3
05/29/85	01:30:00	-21.500	736.7	749.9	755.9
05/29/85	01:45:00	-21.250	736.9	750.1	756.1
05/29/85	02:00:00	-21.000	736.0	749.2	755.2
05/29/85	02:15:00	-20.750	735.1	748.3	754.3
05/29/85	02:30:00	-20.500	732.5	745.7	751.7
05/29/85	02:45:00	-20.250	729.6	742.8	748.8
05/29/85	03:00:00	-20.000	725.5	738.7	744.7
05/29/85	03:15:00	-19.750	723.7	736.9	742.9
05/29/85	03:30:00	-19.500	722.5	735.7	741.7
05/29/85	03:45:00	-19.250	721.3	734.5	740.5
05/29/85	04:00:00	-19.000	720.1	733.3	739.3
05/29/85	04:15:00	-18.750	719.0	732.2	738.2
05/29/85	04:30:00	-18.500	718.5	731.7	737.7
05/29/85	04:45:00	-18.250	718.7	731.9	737.9
05/29/85	05:00:00	-18.000	719.0	732.2	738.2
05/29/85	05:15:00	-17.750	719.3	732.5	738.5
05/29/85	05:30:00	-17.500	719.5	732.7	738.7
05/29/85	05:45:00	-17.250	719.2	732.4	738.4
05/29/85	06:00:00	-17.000	718.3	731.5	737.5
05/29/85	06:15:00	-16.750	717.4	730.6	736.6
05/29/85	06:30:00	-16.500	716.5	729.7	735.7
05/29/85	06:45:00	-16.250	713.7	726.9	732.9
05/29/85	07:00:00	-16.000	710.6	723.8	729.8
05/29/85	07:15:00	-15.750	707.4	720.6	726.6
05/29/85	07:30:00	-15.500	704.3	717.5	723.5
05/29/85	07:45:00	-15.250	699.4	712.6	718.6
05/29/85	08:00:00	-15.000	693.7	706.9	712.9
05/29/85	08:15:00	-14.750	688.1	701.3	707.3
05/29/85	08:30:00	-14.500	686.2	699.4	705.4
05/29/85	08:45:00	-14.250	677.6	690.8	696.8
05/29/85	09:00:00	-14.000	671.6	684.8	690.8
05/29/85	09:15:00	-13.750	667.7	680.9	686.9
05/29/85	09:30:00	-13.500	674.4	687.6	693.6
05/29/85	09:45:00	-13.250	684.8	698.0	704.0

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA
 SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/29/85	10:00:00	-13.000	687.6	700.8	706.8
05/29/85	10:15:00	-12.750	690.0	703.2	709.2
05/29/85	10:30:00	-12.500	692.9	706.1	712.1
05/29/85	10:45:00	-12.250	696.7	709.9	715.9
05/29/85	11:00:00	-12.000	700.4	713.6	719.6
05/29/85	11:15:00	-11.750	704.2	717.4	723.4
05/29/85	11:30:00	-11.500	705.9	719.1	725.1
05/29/85	11:45:00	-11.250	705.4	718.6	724.6
05/29/85	12:00:00	-11.000	704.8	718.0	724.0
05/29/85	12:15:00	-10.750	704.2	717.4	723.4
05/29/85	12:30:00	-10.500	703.7	716.9	722.9
05/29/85	12:45:00	-10.250	703.1	716.3	722.3
05/29/85	13:00:00	-10.000	702.5	715.7	721.7
05/29/85	13:15:00	-9.750	702.0	715.2	721.2
05/29/85	13:30:00	-9.500	701.7	714.9	720.9
05/29/85	13:45:00	-9.250	702.7	715.9	721.9
05/29/85	14:00:00	-9.000	703.6	716.8	722.8
05/29/85	14:15:00	-8.750	704.5	717.7	723.7
05/29/85	14:30:00	-8.500	705.4	718.6	724.6
05/29/85	14:45:00	-8.250	704.4	717.6	723.6
05/29/85	15:00:00	-8.000	699.8	713.0	719.0
05/29/85	15:15:00	-7.750	695.2	708.4	714.4
05/29/85	15:30:00	-7.500	694.1	707.3	713.3
05/29/85	15:45:00	-7.250	694.0	707.2	713.2
05/29/85	16:00:00	-7.000	693.9	707.1	713.1
05/29/85	16:15:00	-6.750	693.8	707.0	713.0
05/29/85	16:30:00	-6.500	693.6	706.8	712.8
05/29/85	16:45:00	-6.250	693.5	706.7	712.7
05/29/85	17:00:00	-6.000	693.4	706.6	712.6
05/29/85	17:15:00	-5.750	693.3	706.5	712.5
05/29/85	17:30:00	-5.500	693.6	706.8	712.8
05/29/85	17:45:00	-5.250	693.9	707.1	713.1
05/29/85	18:00:00	-5.000	694.2	707.4	713.4
05/29/85	18:15:00	-4.750	694.6	707.8	713.8
05/29/85	18:30:00	-4.500	694.9	708.1	714.1
05/29/85	18:45:00	-4.250	692.5	705.7	711.7
05/29/85	19:00:00	-4.000	687.9	701.1	707.1
05/29/85	19:15:00	-3.750	683.3	696.5	702.5
05/29/85	19:30:00	-3.500	684.2	697.4	703.4
05/29/85	19:45:00	-3.250	686.7	699.9	705.9
05/29/85	20:00:00	-3.000	689.2	702.4	708.4
05/29/85	20:15:00	-2.750	691.8	705.0	711.0
05/29/85	20:30:00	-2.500	694.3	707.5	713.5
05/29/85	20:45:00	-2.250	688.2	701.4	707.4
05/29/85	21:00:00	-2.000	674.9	688.1	694.1
05/29/85	21:15:00	-1.750	671.8	685.0	691.0

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/29/85	21:30:00	-1.500	668.9	682.1	688.1
05/29/85	21:45:00	-1.250	666.9	680.1	686.1
05/29/85	22:00:00	-1.000	664.9	678.1	684.1
05/29/85	22:15:00	-.750	668.4	681.6	687.6
05/29/85	22:30:00	-.500	674.7	687.9	693.9
05/29/85	22:45:00	-.250	681.6	694.8	700.8
05/29/85	23:00:00	0.000	681.9	695.1	701.1
05/29/85	23:05:00	.083	715.3	728.5	734.5
05/29/85	23:10:00	.167	730.5	743.7	749.7
05/29/85	23:15:00	.250	744.4	757.6	763.6
05/29/85	23:20:00	.333	753.0	766.2	772.2
05/29/85	23:25:00	.417	759.8	773.0	779.0
05/29/85	23:30:00	.500	765.7	778.9	784.9
05/29/85	23:35:00	.583	770.1	783.3	789.3
05/29/85	23:40:00	.667	774.5	787.7	793.7
05/29/85	23:45:00	.750	778.9	792.1	798.1
05/29/85	23:50:00	.833	783.3	796.5	802.5
05/29/85	23:55:00	.917	787.7	800.9	806.9
05/30/85	00:00:00	1.000	792.2	805.4	811.4
05/30/85	00:15:00	1.250	799.4	812.6	818.6
05/30/85	00:30:00	1.500	805.3	818.5	824.5
05/30/85	00:45:00	1.750	811.2	824.4	830.4
05/30/85	01:00:00	2.000	817.1	830.3	836.3
05/30/85	01:15:00	2.250	821.8	835.0	841.0
05/30/85	01:30:00	2.500	825.5	838.7	844.7
05/30/85	01:45:00	2.750	829.2	842.4	848.4
05/30/85	02:00:00	3.000	832.9	846.1	852.1
05/30/85	02:15:00	3.250	836.7	849.9	855.9
05/30/85	02:30:00	3.500	840.4	853.6	859.6
05/30/85	02:45:00	3.750	843.4	856.6	862.6
05/30/85	03:00:00	4.000	846.1	859.3	865.3
05/30/85	03:15:00	4.250	848.9	862.1	868.1
05/30/85	03:30:00	4.500	851.6	864.8	870.8
05/30/85	03:45:00	4.750	854.4	867.6	873.6
05/30/85	04:00:00	5.000	857.1	870.3	876.3
05/30/85	04:15:00	5.250	859.4	872.6	878.6
05/30/85	04:30:00	5.500	861.6	874.8	880.8
05/30/85	04:45:00	5.750	863.8	877.0	883.0
05/30/85	05:00:00	6.000	866.1	879.3	885.3
05/30/85	05:15:00	6.250	868.3	881.5	887.5
05/30/85	05:30:00	6.500	870.5	883.7	889.7
05/30/85	05:45:00	6.750	872.1	885.3	891.3
05/30/85	06:00:00	7.000	873.6	886.8	892.8
05/30/85	06:15:00	7.250	875.1	888.3	894.3
05/30/85	06:30:00	7.500	876.6	889.8	895.8
05/30/85	06:45:00	7.750	878.2	891.4	897.4

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/30/85	07:00:00	8.000	879.7	892.9	898.9
05/30/85	07:15:00	8.250	881.2	894.4	900.4
05/30/85	07:30:00	8.500	882.8	896.0	902.0
05/30/85	07:45:00	8.750	884.0	897.2	903.2
05/30/85	08:00:00	9.000	885.0	898.2	904.2
05/30/85	08:15:00	9.250	885.9	899.1	905.1
05/30/85	08:30:00	9.500	886.9	900.1	906.1
05/30/85	08:45:00	9.750	887.8	901.0	907.0
05/30/85	09:00:00	10.000	888.8	902.0	908.0
05/30/85	09:15:00	10.250	889.7	902.9	908.9
05/30/85	09:30:00	10.500	890.7	903.9	909.9
05/30/85	09:45:00	10.750	891.6	904.8	910.8
05/30/85	10:00:00	11.000	892.6	905.8	911.8
05/30/85	10:15:00	11.250	893.5	906.7	912.7
05/30/85	10:30:00	11.500	894.5	907.7	913.7
05/30/85	10:45:00	11.750	895.4	908.6	914.6
05/30/85	11:00:00	12.000	896.4	909.6	915.6
05/30/85	11:15:00	12.250	897.3	910.5	916.5
05/30/85	11:30:00	12.500	898.2	911.4	917.4
05/30/85	11:45:00	12.750	899.0	912.2	918.2
05/30/85	12:00:00	13.000	899.7	912.9	918.9
05/30/85	12:15:00	13.250	900.5	913.7	919.7
05/30/85	12:30:00	13.500	901.2	914.4	920.4
05/30/85	12:45:00	13.750	902.0	915.2	921.2
05/30/85	13:00:00	14.000	902.7	915.9	921.9
05/30/85	13:15:00	14.250	903.5	916.7	922.7
05/30/85	13:30:00	14.500	904.2	917.4	923.4
05/30/85	13:45:00	14.750	905.0	918.2	924.2
05/30/85	14:00:00	15.000	905.7	918.9	924.9
05/30/85	14:15:00	15.250	906.5	919.7	925.7
05/30/85	14:30:00	15.500	907.2	920.4	926.4
05/30/85	14:45:00	15.750	908.0	921.2	927.2
05/30/85	15:00:00	16.000	908.7	921.9	927.9
05/30/85	15:15:00	16.250	909.3	922.5	928.5
05/30/85	15:30:00	16.500	909.7	922.9	928.9
05/30/85	15:45:00	16.750	910.2	923.4	929.4
05/30/85	16:00:00	17.000	910.7	923.9	929.9
05/30/85	16:15:00	17.250	911.1	924.3	930.3
05/30/85	16:30:00	17.500	911.6	924.8	930.8
05/30/85	16:45:00	17.750	912.1	925.3	931.3
05/30/85	17:00:00	18.000	912.5	925.7	931.7
05/30/85	17:15:00	18.250	913.0	926.2	932.2
05/30/85	17:30:00	18.500	913.5	926.7	932.7
05/30/85	17:45:00	18.750	913.9	927.1	933.1
05/30/85	18:00:00	19.000	914.4	927.6	933.6
05/30/85	18:15:00	19.250	914.9	928.1	934.1

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/30/85	18:30:00	19.500	915.3	928.5	934.5
05/30/85	18:45:00	19.750	915.8	929.0	935.0
05/30/85	19:00:00	20.000	916.3	929.5	935.5
05/30/85	19:15:00	20.250	916.7	929.9	935.9
05/30/85	19:30:00	20.500	917.2	930.4	936.4
05/30/85	19:45:00	20.750	917.5	930.7	936.7
05/30/85	20:00:00	21.000	917.9	931.1	937.1
05/30/85	20:15:00	21.250	918.3	931.5	937.5
05/30/85	20:30:00	21.500	918.6	931.8	937.8
05/30/85	20:45:00	21.750	919.0	932.2	938.2
05/30/85	21:00:00	22.000	919.4	932.6	938.6
05/30/85	21:15:00	22.250	919.8	933.0	939.0
05/30/85	21:30:00	22.500	920.1	933.3	939.3
05/30/85	21:45:00	22.750	920.5	933.7	939.7
05/30/85	22:00:00	23.000	920.9	934.1	940.1
05/30/85	22:15:00	23.250	921.3	934.5	940.5
05/30/85	22:30:00	23.500	921.6	934.8	940.8
05/30/85	22:45:00	23.750	922.0	935.2	941.2
05/30/85	23:00:00	24.000	922.4	935.6	941.6
05/30/85	23:15:00	24.250	922.8	936.0	942.0
05/30/85	23:30:00	24.500	923.1	936.3	942.3
05/30/85	23:45:00	24.750	923.5	936.7	942.7
05/31/85	00:00:00	25.000	923.9	937.1	943.1
05/31/85	00:15:00	25.250	924.2	937.4	943.4
05/31/85	00:30:00	25.500	924.5	937.7	943.7
05/31/85	00:45:00	25.750	924.8	938.0	944.0
05/31/85	01:00:00	26.000	925.1	938.3	944.3
05/31/85	01:15:00	26.250	925.3	938.5	944.5
05/31/85	01:30:00	26.500	925.6	938.8	944.8
05/31/85	01:45:00	26.750	925.9	939.1	945.1
05/31/85	02:00:00	27.000	926.2	939.4	945.4
05/31/85	02:15:00	27.250	926.5	939.7	945.7
05/31/85	02:30:00	27.500	926.8	940.0	946.0
05/31/85	02:45:00	27.750	927.1	940.3	946.3
05/31/85	03:00:00	28.000	927.3	940.5	946.5
05/31/85	03:15:00	28.250	927.6	940.8	946.8
05/31/85	03:30:00	28.500	927.9	941.1	947.1
05/31/85	03:45:00	28.750	928.2	941.4	947.4
05/31/85	04:00:00	29.000	928.5	941.7	947.7
05/31/85	04:15:00	29.250	928.8	942.0	948.0
05/31/85	04:30:00	29.500	929.1	942.3	948.3
05/31/85	04:45:00	29.750	929.3	942.5	948.5
05/31/85	05:00:00	30.000	929.6	942.8	948.8
05/31/85	05:15:00	30.250	929.8	943.0	949.0
05/31/85	05:30:00	30.500	930.1	943.3	949.3
05/31/85	05:45:00	30.750	930.3	943.5	949.5

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/31/85	06:00:00	31.000	930.5	943.7	949.7
05/31/85	06:15:00	31.250	930.7	943.9	949.9
05/31/85	06:30:00	31.500	930.9	944.1	950.1
05/31/85	06:45:00	31.750	931.1	944.3	950.3
05/31/85	07:00:00	32.000	931.4	944.6	950.6
05/31/85	07:15:00	32.250	931.6	944.8	950.8
05/31/85	07:30:00	32.500	931.8	945.0	951.0
05/31/85	07:45:00	32.750	932.0	945.2	951.2
05/31/85	08:00:00	33.000	932.2	945.4	951.4
05/31/85	08:15:00	33.250	932.4	945.6	951.6
05/31/85	08:30:00	33.500	932.6	945.8	951.8
05/31/85	08:45:00	33.750	932.9	946.1	952.1
05/31/85	09:00:00	34.000	933.1	946.3	952.3
05/31/85	09:15:00	34.250	933.3	946.5	952.5
05/31/85	09:30:00	34.500	933.5	946.7	952.7
05/31/85	09:45:00	34.750	933.7	946.9	952.9
05/31/85	10:00:00	35.000	933.9	947.1	953.1
05/31/85	10:15:00	35.250	934.2	947.4	953.4
05/31/85	10:30:00	35.500	934.4	947.6	953.6
05/31/85	10:45:00	35.750	934.6	947.8	953.8
05/31/85	11:00:00	36.000	934.8	948.0	954.0
05/31/85	11:15:00	36.250	935.0	948.2	954.2
05/31/85	11:30:00	36.500	935.2	948.4	954.4
05/31/85	11:45:00	36.750	935.4	948.6	954.6
05/31/85	12:00:00	37.000	935.7	948.9	954.9
05/31/85	12:15:00	37.250	935.9	949.1	955.1
05/31/85	12:30:00	37.500	936.1	949.3	955.3
05/31/85	12:45:00	37.750	936.3	949.5	955.5
05/31/85	13:00:00	38.000	936.5	949.7	955.7
05/31/85	13:15:00	38.250	936.6	949.8	955.8
05/31/85	13:30:00	38.500	936.8	950.0	956.0
05/31/85	13:45:00	38.750	937.0	950.2	956.2
05/31/85	14:00:00	39.000	937.1	950.3	956.3
05/31/85	14:15:00	39.250	937.3	950.5	956.5
05/31/85	14:30:00	39.500	937.4	950.6	956.6
05/31/85	14:45:00	39.750	937.6	950.8	956.8
05/31/85	15:00:00	40.000	937.8	951.0	957.0
05/31/85	15:15:00	40.250	937.9	951.1	957.1
05/31/85	15:30:00	40.500	938.1	951.3	957.3
05/31/85	15:45:00	40.750	938.3	951.5	957.5
05/31/85	16:00:00	41.000	938.4	951.6	957.6
05/31/85	16:15:00	41.250	938.6	951.8	957.8
05/31/85	16:30:00	41.500	938.8	952.0	958.0
05/31/85	16:45:00	41.750	938.9	952.1	958.1
05/31/85	17:00:00	42.000	939.1	952.3	958.3
05/31/85	17:15:00	42.250	939.2	952.4	958.4

BENNETT-CATHEY WIRE LINE SERVICE
 PHONE (505) 748-3354
 ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
05/31/85	17:30:00	42.500	939.4	952.6	958.6
05/31/85	17:45:00	42.750	939.6	952.8	958.8
05/31/85	18:00:00	43.000	939.7	952.9	958.9
05/31/85	18:15:00	43.250	939.9	953.1	959.1
05/31/85	18:30:00	43.500	940.1	953.3	959.3
05/31/85	18:45:00	43.750	940.2	953.4	959.4
05/31/85	19:00:00	44.000	940.4	953.6	959.6
05/31/85	19:15:00	44.250	940.6	953.8	959.8
05/31/85	19:30:00	44.500	940.7	953.9	959.9
05/31/85	19:45:00	44.750	940.9	954.1	960.1
05/31/85	20:00:00	45.000	941.0	954.2	960.2
05/31/85	20:15:00	45.250	941.1	954.3	960.3
05/31/85	20:30:00	45.500	941.2	954.4	960.4
05/31/85	20:45:00	45.750	941.3	954.5	960.5
05/31/85	21:00:00	46.000	941.4	954.6	960.6
05/31/85	21:15:00	46.250	941.5	954.7	960.7
05/31/85	21:30:00	46.500	941.6	954.8	960.8
05/31/85	21:45:00	46.750	941.7	954.9	960.9
05/31/85	22:00:00	47.000	941.8	955.0	961.0
05/31/85	22:15:00	47.250	941.9	955.1	961.1
05/31/85	22:30:00	47.500	942.0	955.2	961.2
05/31/85	22:45:00	47.750	942.1	955.3	961.3
05/31/85	23:00:00	48.000	942.2	955.4	961.4
05/31/85	23:15:00	48.250	942.3	955.5	961.5
05/31/85	23:30:00	48.500	942.4	955.6	961.6
05/31/85	23:45:00	48.750	942.5	955.7	961.7
06/01/85	00:00:00	49.000	942.6	955.8	961.8
06/01/85	00:15:00	49.250	942.7	955.9	961.9
06/01/85	00:30:00	49.500	942.8	956.0	962.0
06/01/85	00:45:00	49.750	942.9	956.1	962.1
06/01/85	01:00:00	50.000	943.0	956.2	962.2
06/01/85	02:00:00	51.000	943.4	956.6	962.6
06/01/85	03:00:00	52.000	943.8	957.0	963.0
06/01/85	04:00:00	53.000	944.2	957.4	963.4
06/01/85	05:00:00	54.000	944.6	957.8	963.8
06/01/85	06:00:00	55.000	945.1	958.3	964.3
06/01/85	07:00:00	56.000	945.5	958.7	964.7
06/01/85	08:00:00	57.000	945.9	959.1	965.1
06/01/85	09:00:00	58.000	946.3	959.5	965.5
06/01/85	10:00:00	59.000	946.8	960.0	966.0
06/01/85	11:00:00	60.000	947.2	960.4	966.4
06/01/85	12:00:00	61.000	947.5	960.7	966.7
06/01/85	13:00:00	62.000	947.6	960.8	966.8
06/01/85	14:00:00	63.000	947.8	961.0	967.0
06/01/85	15:00:00	64.000	947.9	961.1	967.1
06/01/85	16:00:00	65.000	948.1	961.3	967.3

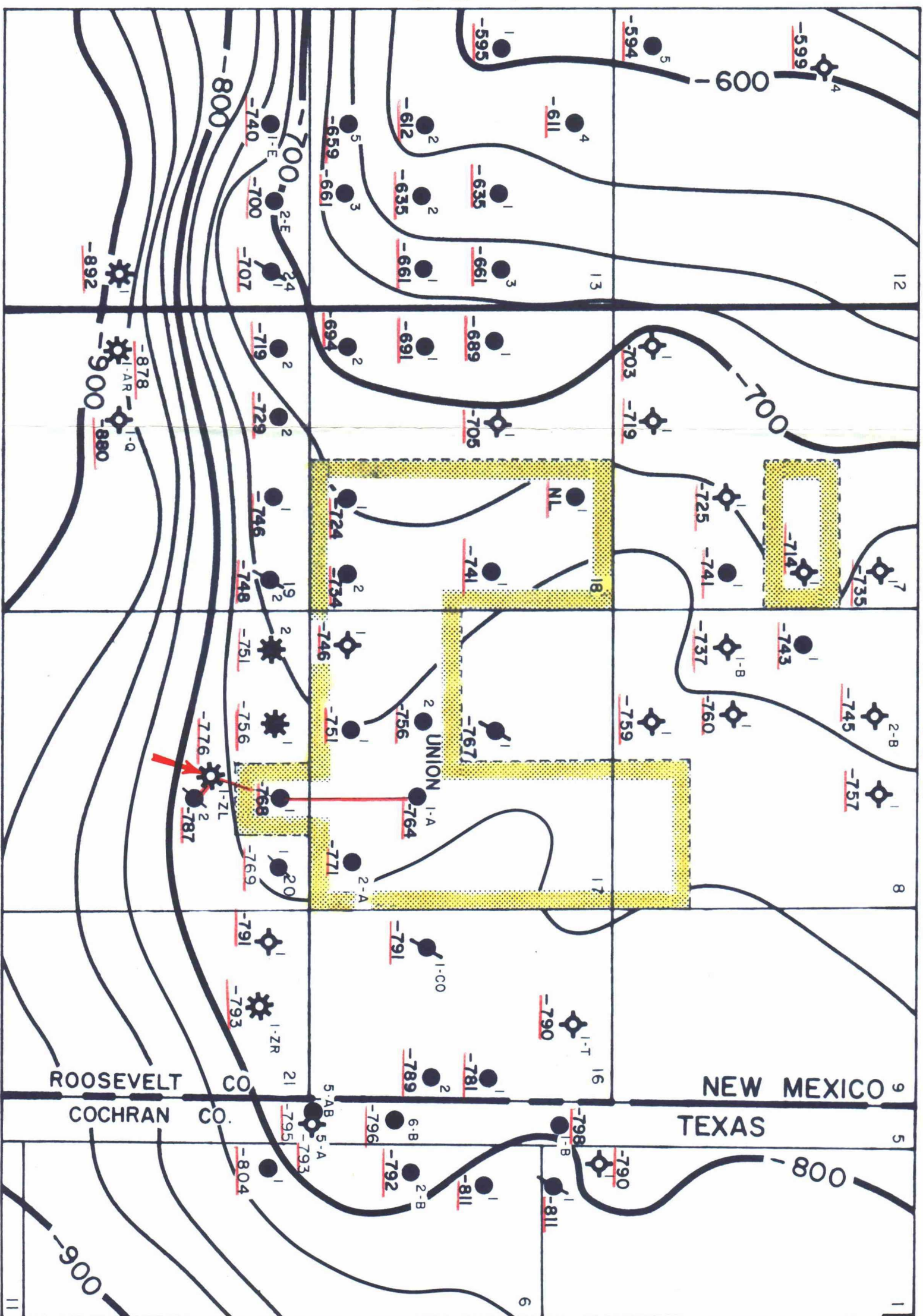
BENNETT-CATHEY WIRE LINE SERVICE
PHONE (505) 748-3354
ARTESIA, NEW MEXICO, 88210

PRESSURE TRANSIENT TEST DATA

SUBSURFACE PRESSURE MEASUREMENTS

DATE	TIME	t hrs	GAUGE PRESSURE psig	ABSOLUTE PRESSURE psia	RESERVOIR PRESSURE psia
06/01/85	17:00:00	66.000	948.2	961.4	967.4
06/01/85	18:00:00	67.000	948.3	961.5	967.5
06/01/85	19:00:00	68.000	948.5	961.7	967.7
06/01/85	20:00:00	69.000	948.6	961.8	967.8
06/01/85	21:00:00	70.000	948.7	961.9	967.9
06/01/85	22:00:00	71.000	948.9	962.1	968.1
06/01/85	23:00:00	72.000	949.0	962.2	968.2
06/02/85	00:00:00	73.000	949.1	962.3	968.3
06/02/85	01:00:00	74.000	949.3	962.5	968.5
06/02/85	02:00:00	75.000	949.4	962.6	968.6
06/02/85	03:00:00	76.000	949.5	962.7	968.7
06/02/85	04:00:00	77.000	949.6	962.8	968.8
06/02/85	05:00:00	78.000	949.8	963.0	969.0
06/02/85	06:00:00	79.000	949.9	963.1	969.1
06/02/85	07:00:00	80.000	950.0	963.2	969.2
06/02/85	07:05:08	80.086	950.0	963.2	969.2

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BEFORE EXAMINER STOGNER

Oil Conservation Division

Exhibit No. 1

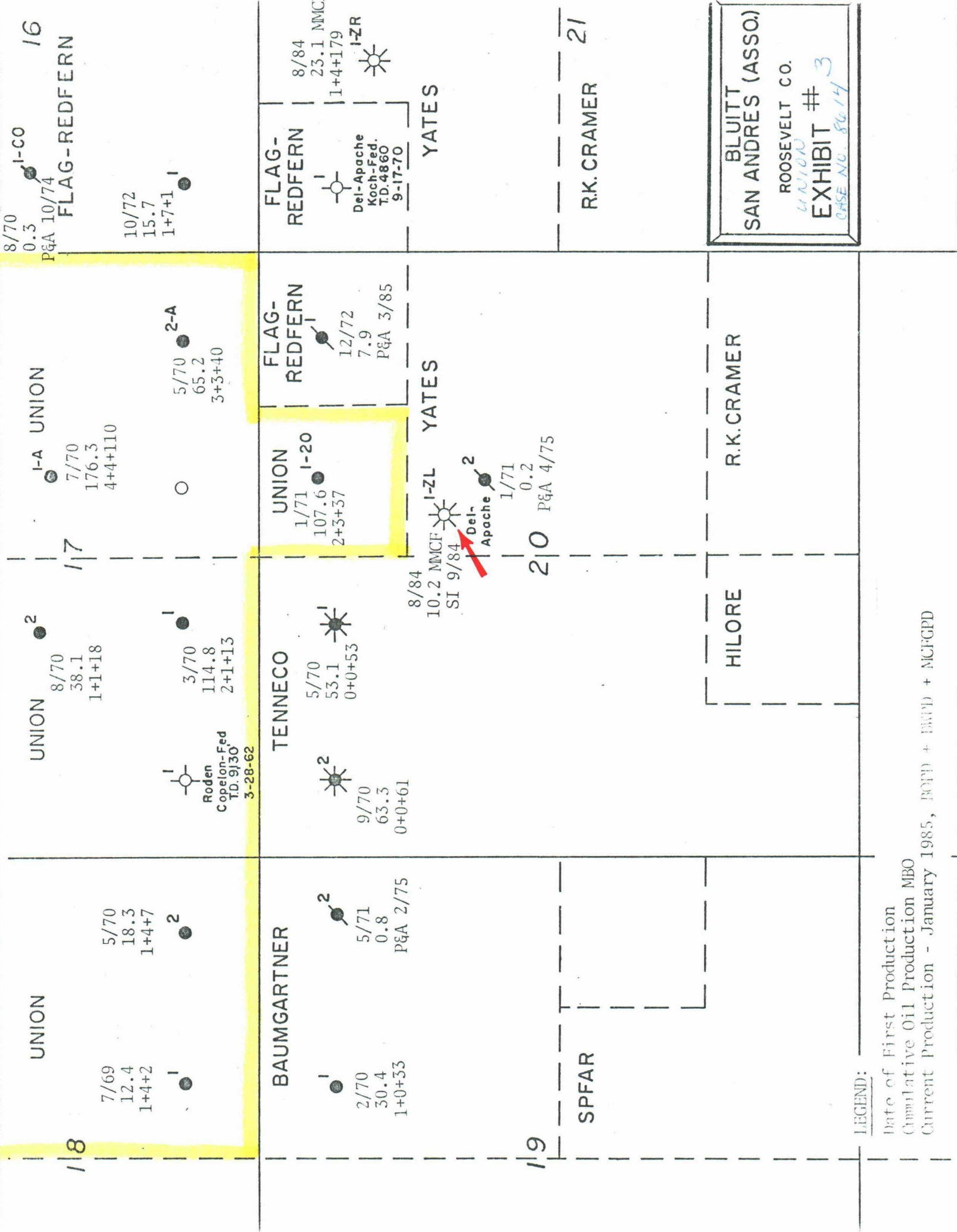
Case No. 8614

BLUITT SAN ANDRES ASSOCIATED POOL
ROOSEVELT COUNTY, NEW MEXICO

TOP TODD PAY

C.I.=25'

1 MILE



18 UNION 7/69 12.4 1+4+2 5/70 18.3 1+4+7 1 10/72 15.7 1+7+1 1-A UNION 7/70 176.3 4+4+110 5/70 65.2 3+3+40 2-A 8/70 38.1 1+1+18 3/70 114.8 2+1+13 1 Roden Copelon-Fed TD. 9130 3-28-62 2 10/72 15.7 1+7+1 1-CO 8/70 0.3 P&A 10/74 FLAG-REDFERN	17 UNION 8/70 38.1 1+1+18 3/70 114.8 2+1+13 1 Roden Copelon-Fed TD. 9130 3-28-62 2 10/72 15.7 1+7+1 1-CO 8/70 0.3 P&A 10/74 FLAG-REDFERN	16 UNION 7/69 12.4 1+4+2 5/70 18.3 1+4+7 1 10/72 15.7 1+7+1 1-A UNION 7/70 176.3 4+4+110 5/70 65.2 3+3+40 2-A 8/70 38.1 1+1+18 3/70 114.8 2+1+13 1 Roden Copelon-Fed TD. 9130 3-28-62 2 10/72 15.7 1+7+1 1-CO 8/70 0.3 P&A 10/74 FLAG-REDFERN	19 SPFAR 2/70 30.4 1+0+33 5/71 0.8 P&A 2/75 2 8/84 23.1 NMCF 1+4+179 1-ZR Del-Apache Koch-Fed. TD. 4860 9-17-70 FLAG-REDFERN YATES 8/84 23.1 NMCF 1+4+179 1-ZR Del-Apache Koch-Fed. TD. 4860 9-17-70 FLAG-REDFERN YATES R.K. CRAMER 21 BLUITT SAN ANDRES (ASSO.) ROOSEVELT CO. UNION EXHIBIT # 3 CASE NO. 8614
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LEGEND:

Date of First Production
Cumulative Oil Production MBO
Current Production - January 1985, BOPD + BUID + MCF/GPD

BEFORE EXAMINER STOGNER

Oil Conservation Division

UNION Exhibit No. 3

Case No. 8614

TENNECO

UNION

FLAG-REDFERN

YATES

1-20

1

1-ZL

2

Del-Apoche
Koch-Fed.

066

330'

330'

933.4'

990'



210

BEFORE EXAMINER STOGNER

Oil Conservation Division

Union Exhibit No. 4

Case No. 8614