

**FIELD STUDY
PREPARED FOR:**

MYCO INDUSTRIES, INC.

**423 WEST MAIN STREET
ARTESIA, NEW MEXICO**

IN REGARDS TO THE:

BOISE FEDERAL #1

SECTION 35 H -T21S-R27E

EAST CARLSBAD WOLFCAMP FIELD

LOCATED IN EDDY COUNTY, NEW MEXICO

AS OF DATE:

APRIL 22, 2005

**PECOS PETROLEUM ENGINEERING, INC.
ROSWELL, NEW MEXICO**

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 13469 Exhibit No. 6
Submitted by:
Myco Industries, Inc.
Hearing Date: May 5, 2005

PECOS PETROLEUM ENGINEERING, INC.

P.O. Box 1794

200 West First St., Suite 536

Roswell, New Mexico 88202-1794

Office: 505-624-2800

FAX: 505-623-1777

April 22, 2005

Mr. Nelson Muncy
MYCO Industries, Inc.
P.O. Box 840
Artesia, New Mexico 88211-0840

Re: Boise Federal #1 (API No.: 30-015-33735)
East Carlsbad Wolfcamp Field
Section 35 H-T21S-R27E
Eddy County, New Mexico

Dear Mr. Muncy:

As per your request I have performed a Wolfcamp reservoir study to determine the reservoir characterization, drainage area and remaining reserves in the NW/4 of section 35. A study area was selected that includes section 35 and the surrounding eight (8) sections, including sections 25, 26, 27, 34, 35, 36 in T21S-R27E and sections 1, 2 and 3 in T22S-R27E, all in Eddy County, New Mexico. Figure 1 shows the study area outlined in red and the location of the Boise Federal #1 in the NE/4 of section 35.

Within the nine (9) section study area there have been forty-eight (48) completions. With twenty-five (25) Morrow completions, three (3) Atoka completions, three (3) Strawn completions and seventeen (17) Wolfcamp completions (Figure 1-B). Total cumulative production from the study area through January 1, 2005 is 821,171 BO and 35.168 BCFG. The Wolfcamp completions have produced 793,301 BO (96.6%) and 15.288 BCFG (43.5 %) since production was established in 1974.

Wolfcamp Reservoir

The Wolfcamp reservoir is characterized as a carbonate reservoir, predominately limestone, which is over pressured, has low porosity and low permeabilities. The following table summarizes basic reservoir data:

<u>Attribute</u>		<u>Range</u>	<u>Comments</u>
Porosity		2% to 7%, average 3%-5%	
Permeability		0.0036-.1115 md, (Boise Federal #1)	Low production Rates
BHP		6130 psi, 0.63 psi/ft.	DST on the Toothman Gas Com. #1 Table 1-A
Gas Gravity		0.68 (separator gas)	1.23 at reservoir conditions
Condensate Yield	Initial	157 BC/MMCFG (Through 12/75)	Current yield 33 BC/MMCFG (12/05)
	Average	52 BC/MMCFG (Through 1/05)	

Recovery from the Wolfcamp Formation within the study area is 793,301 BO and 15.288 BCFG (Table 2-A) through January 1, 2005. By summarizing the production from the seventeen (17) Wolfcamp completions in the study area and extrapolating the production trend to the economic limit (Figure 2), the ultimate recovery is estimated to be 917,532 BO and 18.601 BCFG. This leaves remaining reserves of 124,231 BO and 3.313 BCFG.

By multiplying the porosity times the net height through the producing zone a porosity-feet value (Table 3) can be calculated for each well. The highest por.-ft. value is associated with the area surrounding the Hunker Com. #1 well located in section 35K-T21S-R27E as shown in Figure 4. A gas formation volume factor (Bg) was calculated by using the correlation in Figure 3 to estimate a reservoir gas gravity of 1.23 and the estimated gas composition (Table 4) to calculate a Z value of 1.177 and to calculate a Bg value of .003367. Using the calculated Bg value, the original-gas-in-place is estimated to be 1.656 BCFG/por.-ft./160 acres and recoverable gas using a 60% recovery factor is .9937 BCFG/por.-ft./160 acres (Table 5). Applying the por.-ft. value for each well times the estimated recovery for one (1) por-ft/160 acres times the drainage area, yields a projected ultimate gas recovery of 23.994 BCFG (Table 6). Using the OGIP value of 1.656 BCFG/por.-ft./160 ac. times the por.-ft. value for each well times the drainage area yields an OGIP volume of 39.987 BCFG.

The estimated ultimate recovery of 18.601 BCFG is 46.5% of the OGIP and 77.5% of the estimated 60% recovery efficiency. To estimate the recovery efficiency of each well, a recovery ratio was calculated using the cumulative production divided by the product of the por.-ft. times the estimated recovery of .9937 BCFG/por.-ft./160 ac. (Figure 5). The Recovery Ratio Map indicates the recoveries are high in wells on the east side of the study area and are low in the northwest and western parts of the field. The middle of the study area indicates that recoveries are only 30% to 60% of the estimated recoverable reserves. This calculation indicates there may be by-passed reserves that could be recovered with additional development.

Reeves Federal #1

The Reeves Federal #1 well, located in section 35B-T21S-R27E was completed in the Wolfcamp zone in February 1976 (Table 2-B). Through September 2004 the well has cumulative production of 38,282 BO, 409,505 MCFG and 1,285 BW (Figure 6). Production in September 2004 was reported to be 75 BO and 1,120 MCFG, 2.5 BOPD and 37.3 MCFGD (Table 2-B). It appears the well has been shut-in and no production has been reported from October 2004 to January 2005. Extrapolation of the decline curve suggests the ultimate recovery from this well will be 43,745 BO and .5006 BCFG.

The productive interval in this well has 1.285 porosity-feet. Using the estimated recovery of .9937 BCFG per porosity-foot per 160 acres, the current recovery ratio is 0.32 (Table 3) and the ultimate recovery ratio will be 0.392. This suggests the well is effectively draining approximately 60 acres (Figure 7).

Boise Federal #1

The Boise Federal #1 was spudded on December 16, 2004, was T.D'd on January 17, 2005 and 5 ½" casing was run and cemented at 12,000'. A completion attempt was made in the Lower Morrow by perforating 11,913-11,924' and a flow rate of 15 MCFGD was observed. A CIBP was set at 11,875' and capped with 35 feet of cement. A completion attempt was then made in the Upper Morrow by perforating 11,604-11,610' and 11,642-11,653'. After acidizing and fracturing this interval was flow tested on a 22/64" choke at 18 psi FTP. Operations are currently suspended waiting on a completion attempt in the Strawn and evaluation of the Wolfcamp zones.

The Wolfcamp zone in the Boise well (Figure 8 and Table 7) has 1.34 porosity-feet of potentially productive zones. A formation tester was run to determine the remaining BHP in three (3) of the intervals (Figure 8, Table 1-B, 1-C and 1-D). The recorded maximum pressures were 2640.7 psi at 9707', 3174.9

psi at 9727' and 5038.3 psi at 9737'. Using the respective Bg and a scaling factor for the remaining BHP, the estimated recoverable reserves from the Boise Federal #1 are 0.4 BCFG and 20,000 BO (Table 7).

Conclusion

The Wolfcamp zone in the East Carlsbad Wolfcamp Pool is a low permeability, low porosity zone where recoveries are a function of permeability and high BHP. The NE/4 of section 35 is in an area of the field where recoveries are low and the reservoir is not being drained efficiently. The Reeves Federal #1 (35B) has recovered 32% of the estimated recoverable reserves attributable to these 160 acres. The Boise Federal #1 confirms the inefficient drainage of the NE/4 of section 35, with present BHP's ranging from 2640 psi to 5038 psi, 43% and 82% of the original BHP respectfully.

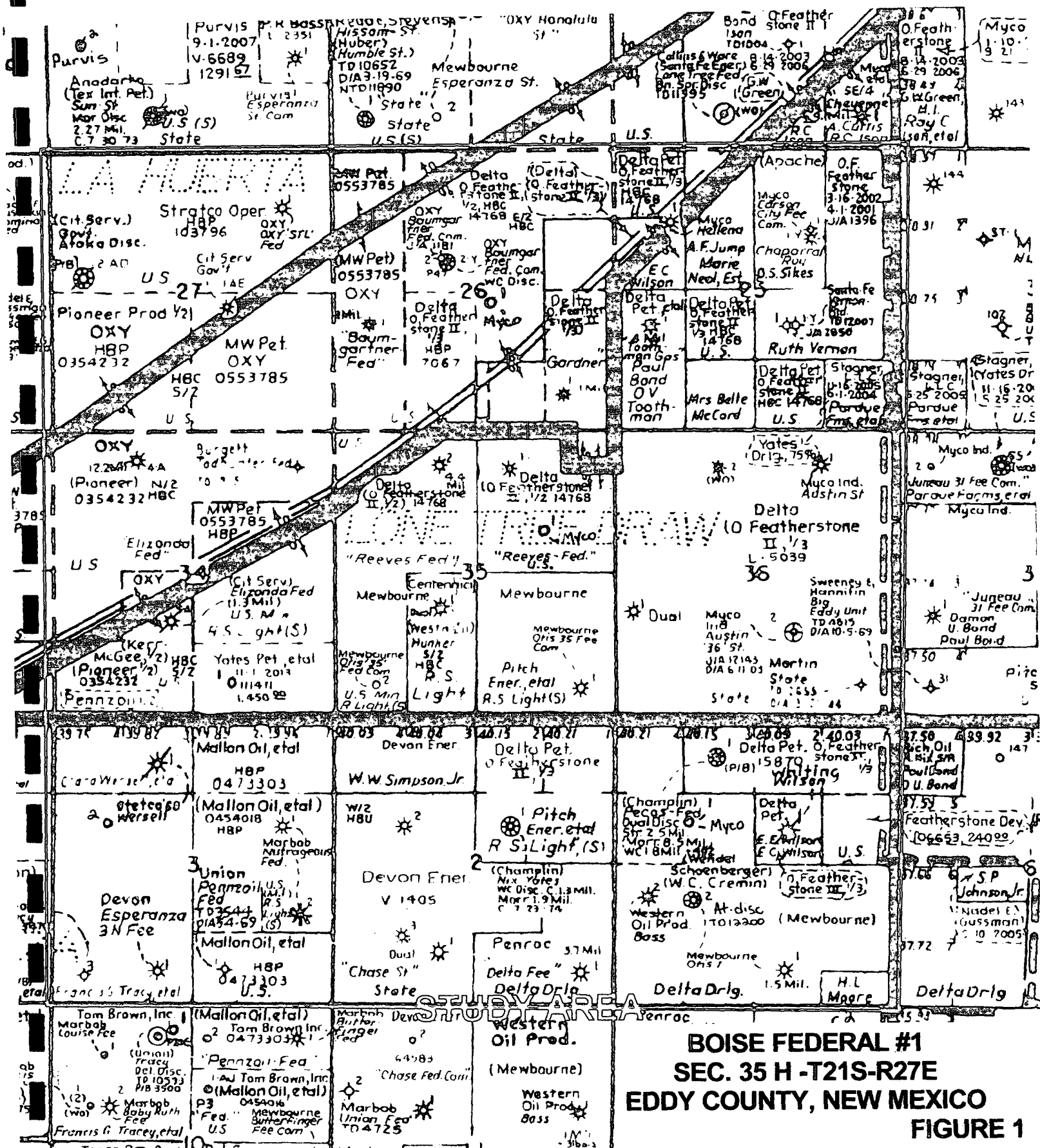
Completion of the Boise Federal #1 will not materially affect correlative rights and will recover reserves that will not be recovered with the existing completions. The Reeves Federal #1 (35B) well has low recoveries and a corresponding small effective drainage area. The zone from 9733' to 9746' in the Boise Federal #1 (35H), with 5038.3 psi BHP has had 5.26% of the original gas removed in over 30 years of production from this field. Completion of the Wolfcamp zone in the Boise Federal #1 will recover an additional 0.4 BCFG and 20,000 BO from this reservoir.

Should you have any questions concerning this report, please call me at 505-624-2800.

Sincerely,



Bruce A. Stubbs, P.E.



T21S-R27E



27



26

25



34



35



36



3

2



1

T22S-R27E

WOLFCAMP COMPLETIONS

FIGURE 1-B

NINE SECTION AREA OF REVIEW
 LOC: SEC. 25, 26, 27, 34, 35, 36, 1, 2, 3
 EAST CARLSBAD (WOLFCAMP) FIELD

PSD 01/01/1998
 Phase GAS
 Type Exp
 Decline(%) 6.0
 qi 50000
 Cum(M) 12/2004 15288.398
 Remaining(M) 6827.585
 Ultimate(M) 18601.236
 OGRE Cum(M) 0.000
 OGRE Uir(M) 6827.585

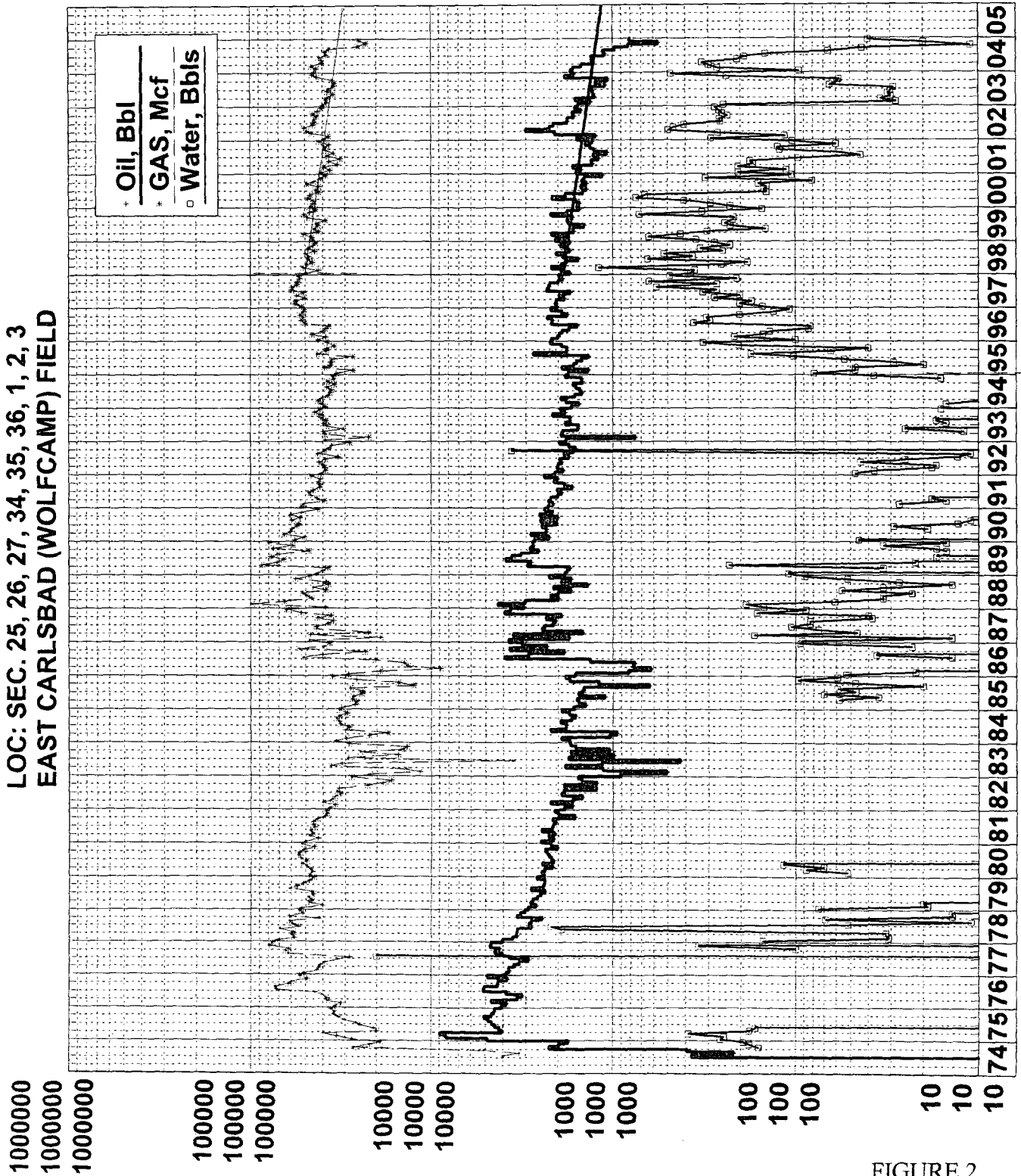


FIGURE 2

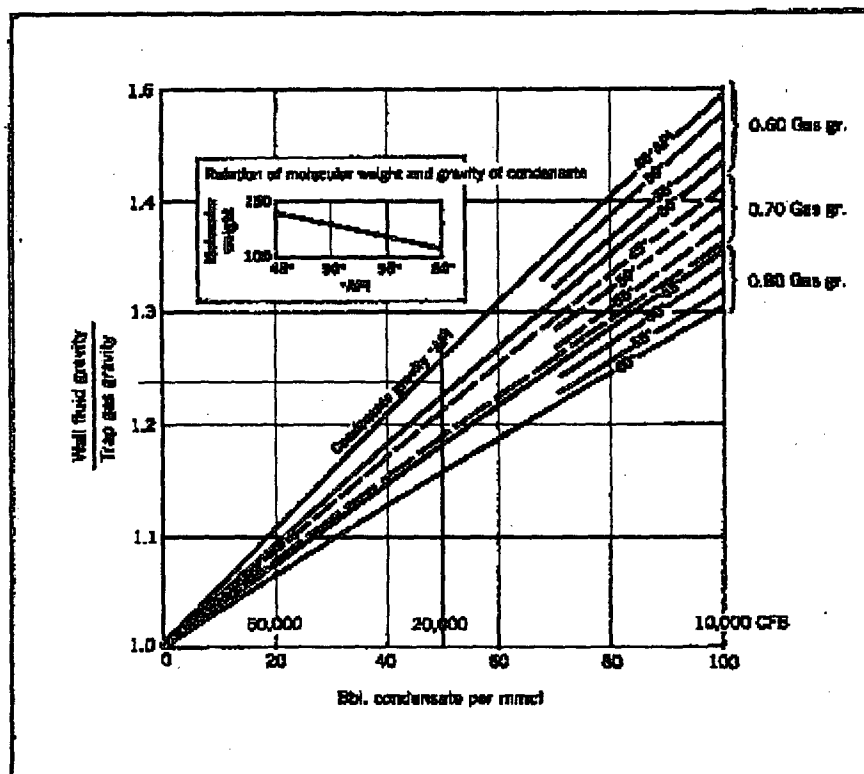


FIG. B.12 Effect of condensate volume on the ratio of surface gas gravity to well-fluid gravity (After M. B. Standing, Volumetric and Phase Behavior of Oil Field Hydrocarbon Systems. Chevron Research Co., 1962)

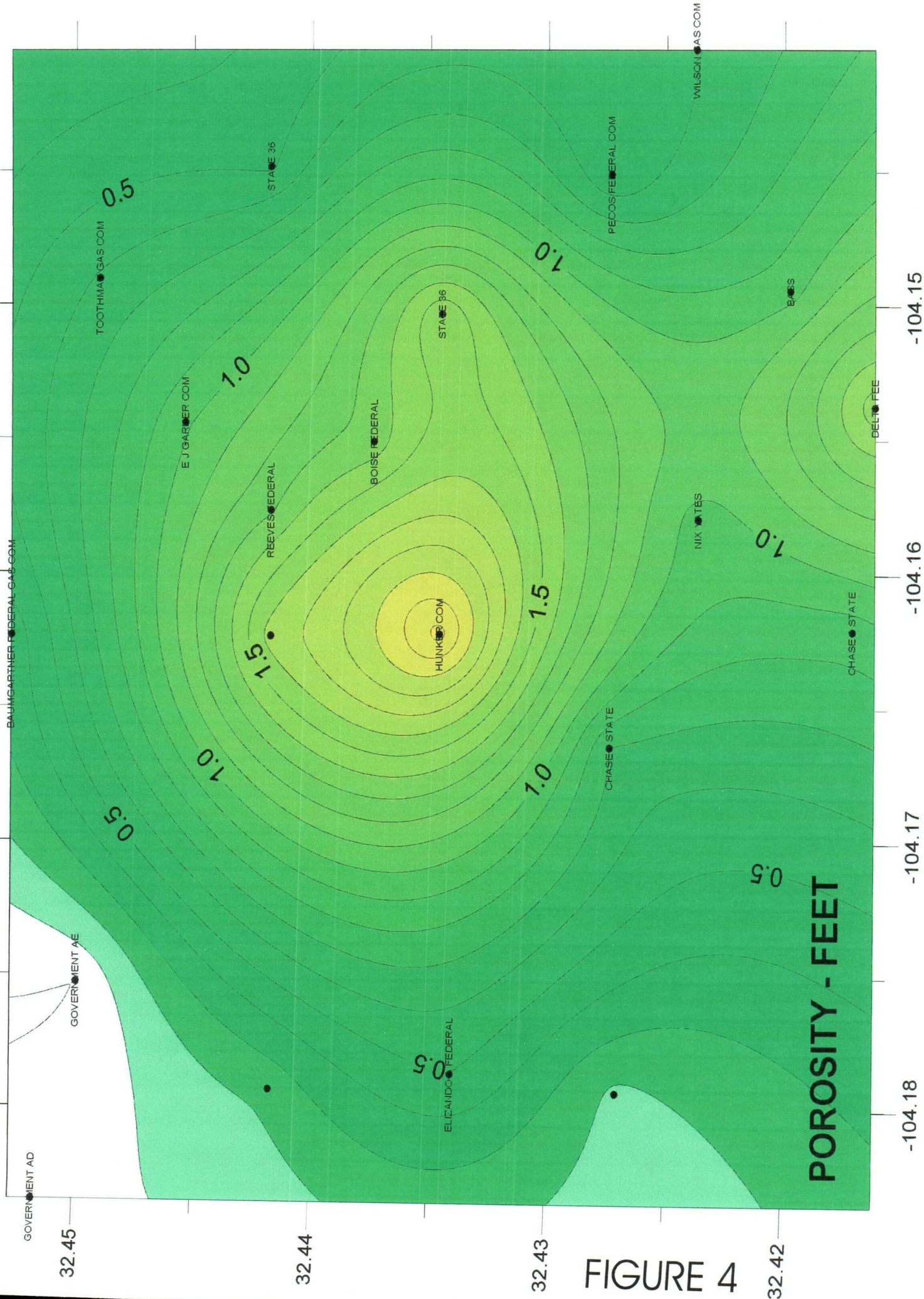


FIGURE 4

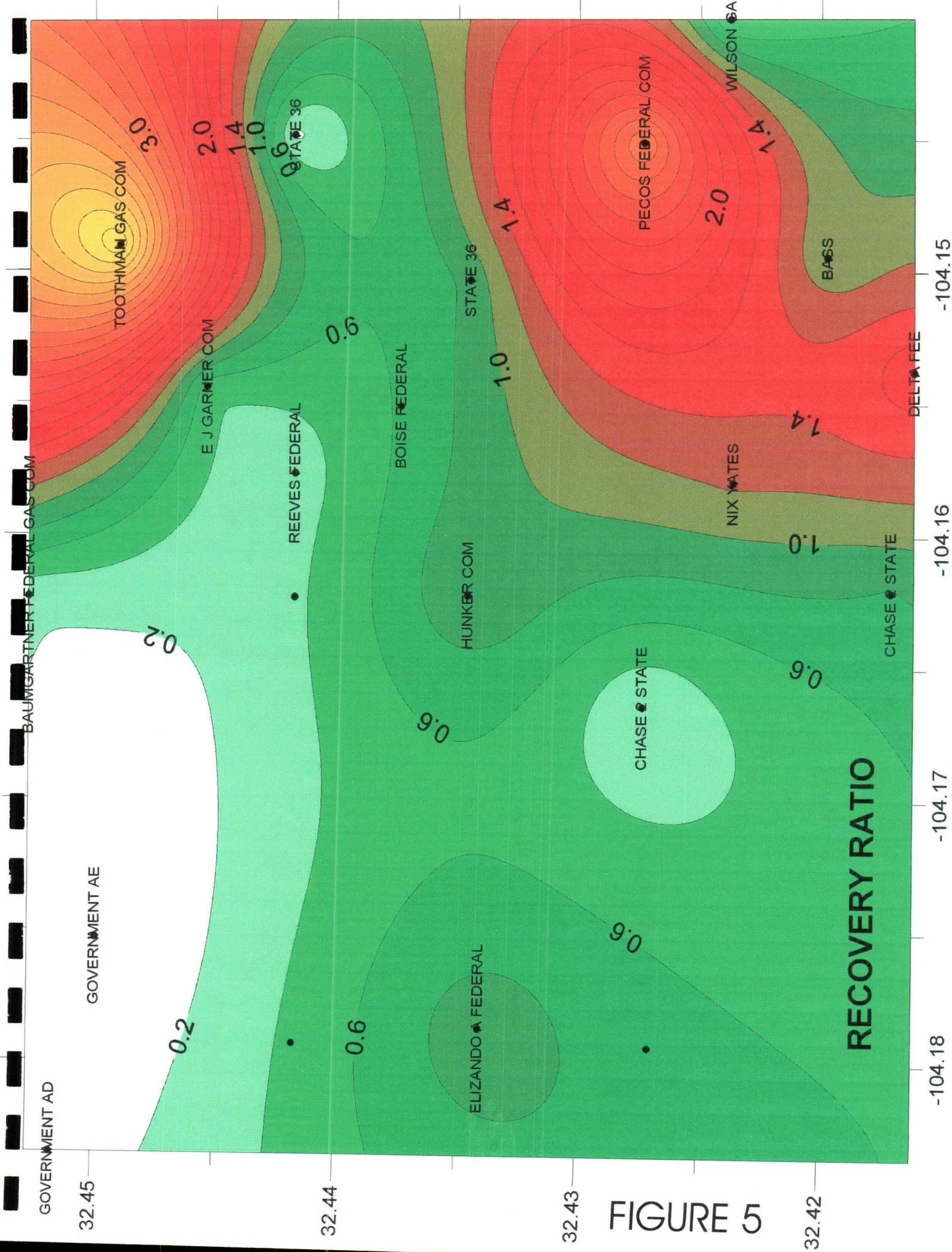


FIGURE 5

REEVES FEDERAL 1
 LOCATION: 35 21S 27E
 CARLSBAD EAST (WOLFCAMP) FIELD

PSD 01/01/2003
 Phase GAS
 Type Hyp-180%
 Decline(%) 40.0
 qi 1700
 Cum(M) 09/2004 409.505
 Remaining(M) 118.192
 Ultimate(M) 500.557
 OGRE Cum(M) 0.000
 OGRE Ult(M) 118.192

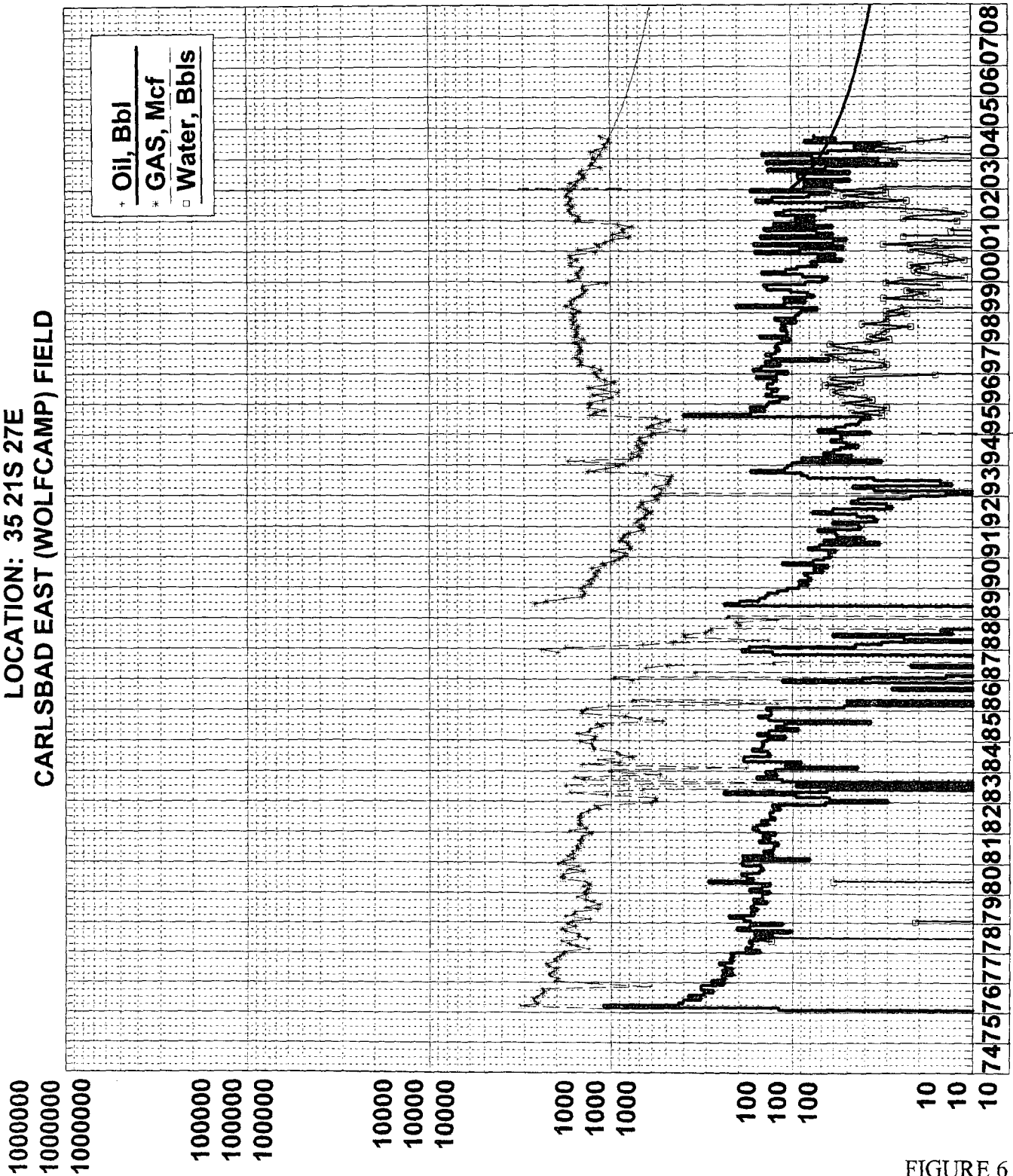


FIGURE 6

REEVES FED. #1
660' FNL & 1980' FEL

60 AC -
912.1' R

1388.3 FT.

BOISE FED. #1
1877' FNL & 1312' FEL

35

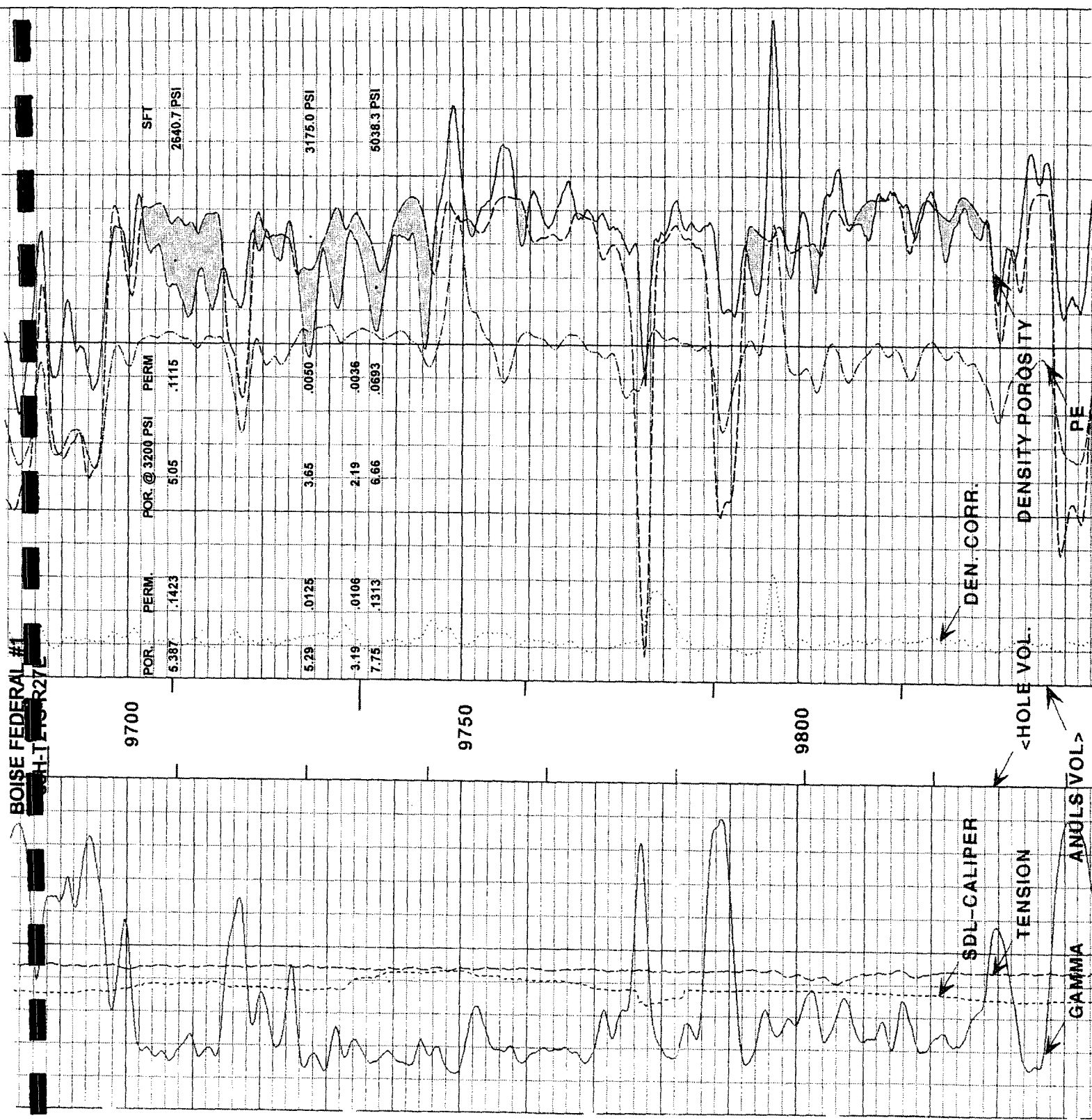


FIGURE 8

PRESSURE DATA

API	LEASE NAME	#	OPERATOR NAME	LOCATION	METHOD	DATE	COMMENTS	PRESSURE PSI
3001533735	BOISE FEDERAL	1	MYCO INDUSTRIES, INC.	35H 21S 27E	Seq. Formation Tester	January-05	9707'	2641
					Seq. Formation Tester	January-05	9727'	3175
					Seq. Formation Tester	January-05	9737'	5038
30015219200000	LONE TREE	1	CHI OPERATING INCORPOR	13K 21S 27E NE SW	DST 9649-95'	November-76	4 HR. FSIP	4563
					DST 9300-50'	November-76	2 HR FSIP	4786
	HUMBLE STATE	1	J.M. HUBER CORP.	23M 21S 27E	DST 9536-9630'	February-67	1 HR ISIP	5700
							2 HR FSIP	5540
	LONE TREE	1	SANTA FE ENERGY OPER.	24N 21S 27E	DST 9660-9750'	April-90	9.5 HR FSIP	3181
30015211980000	STATE 36	1	DELTA PETROLEUM CORPO	36L 21S 27E	DST 9677-9800'	July-74	1 HR ISIP	5406
							4 HR FSIP	5824
30015210480001	PECOS FEDERAL COM	1	DELTA PETROLEUM CORPO	1C 22S 27E	DST 9769-9848'	January-74	1 HR ISIP	5623
							2 HR FSIP	5623
30015215660000	TOOTHMAN GAS COM	1	DELTA PETROLEUM CORPO	25L 21S 27E	DST*	July-75		6163
30015212570001	REEVES FEDERAL	1	DELTA PETROLEUM CORPO	35B 21S 27E	DST*	March-76		6138

*Field Study 7-1-87

TABLE 1-A

9707'

PRESSURE

0.0000	5230.337
0.1667	5229.514
0.3333	5230.180
0.5000	5230.679
0.6667	5231.345
0.8333	5268.065
1.0000	5271.419
1.1667	2520.876
1.3333	2560.213
1.5000	2578.465
1.6667	2589.902
1.8333	2598.617
2.0000	2604.970
2.1667	2609.267
2.3333	2613.085
2.5000	2616.894
2.6667	2620.703
2.8333	2622.427
3.0000	2625.443
3.1667	2628.018
3.3333	2629.732
3.5000	2632.450
3.6667	2633.542
3.8333	2634.656
4.0000	2636.750
4.1667	2637.852
4.3333	2638.332
4.5000	2639.606
4.6667	2640.698
4.8333	5237.002
5.0000	5240.364
5.1667	5236.845

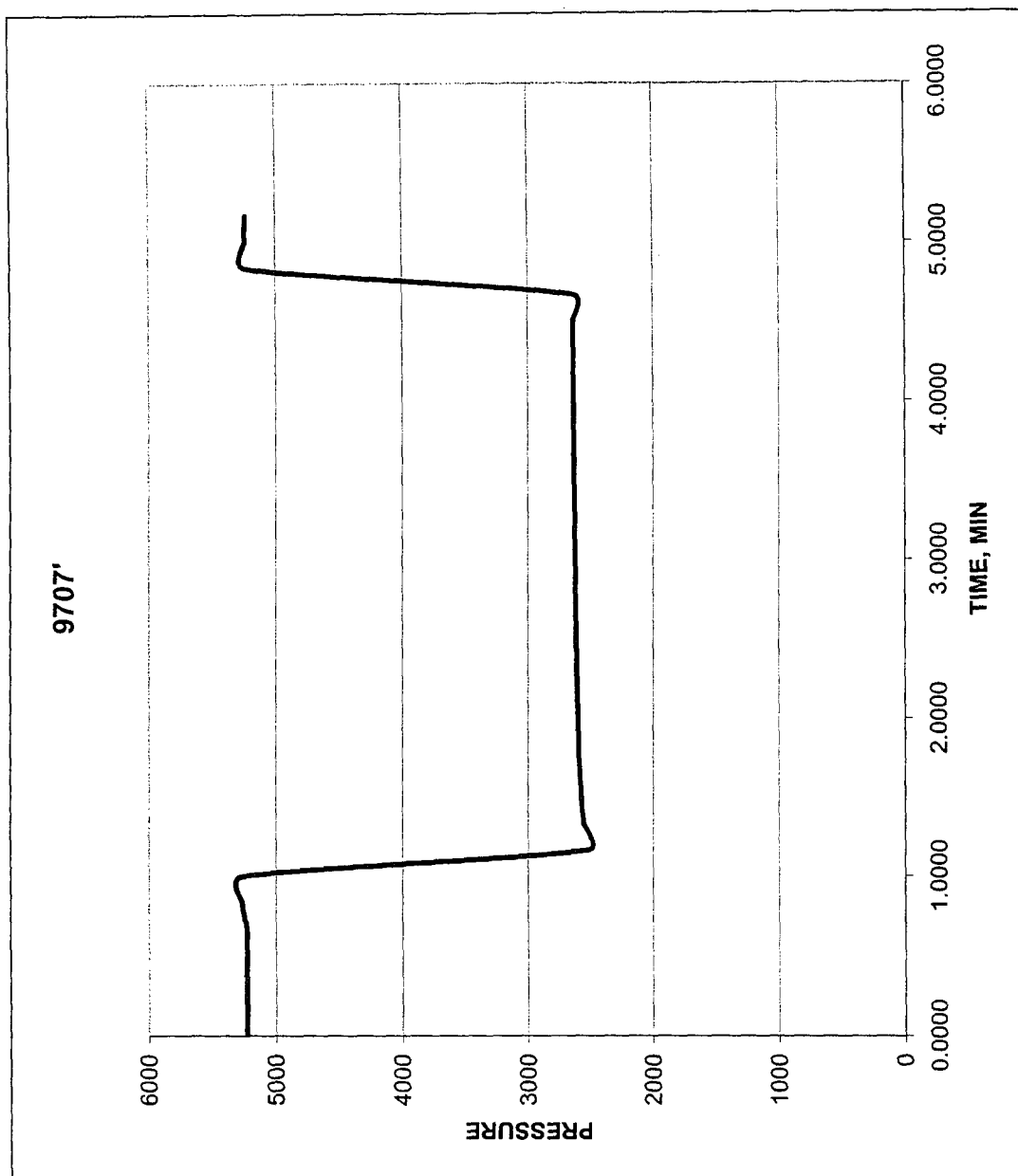


TABLE 1-B

9727'

TIME

0.0000	5238.918
0.1667	5238.752
0.3333	5238.752
0.5000	5237.939
0.6667	5240.604
0.8333	5238.448
1.0000	5279.172
1.1667	4520.942
1.3333	3071.171
1.5000	3096.843
1.6667	3112.061
1.8333	3121.701
2.0000	3130.685
2.1667	3136.965
2.3333	3142.092
2.5000	3145.115
2.6667	3149.453
2.8333	3152.036
3.0000	3155.727
3.1667	3158.291
3.3333	3160.695
3.5000	3162.631
3.6667	3164.556
3.8333	3166.302
4.0000	3168.887
4.1667	3169.195
4.3333	3170.492
4.5000	3172.418
4.6667	3174.984
4.8333	5246.549
5.0000	5249.724
5.1667	5247.588

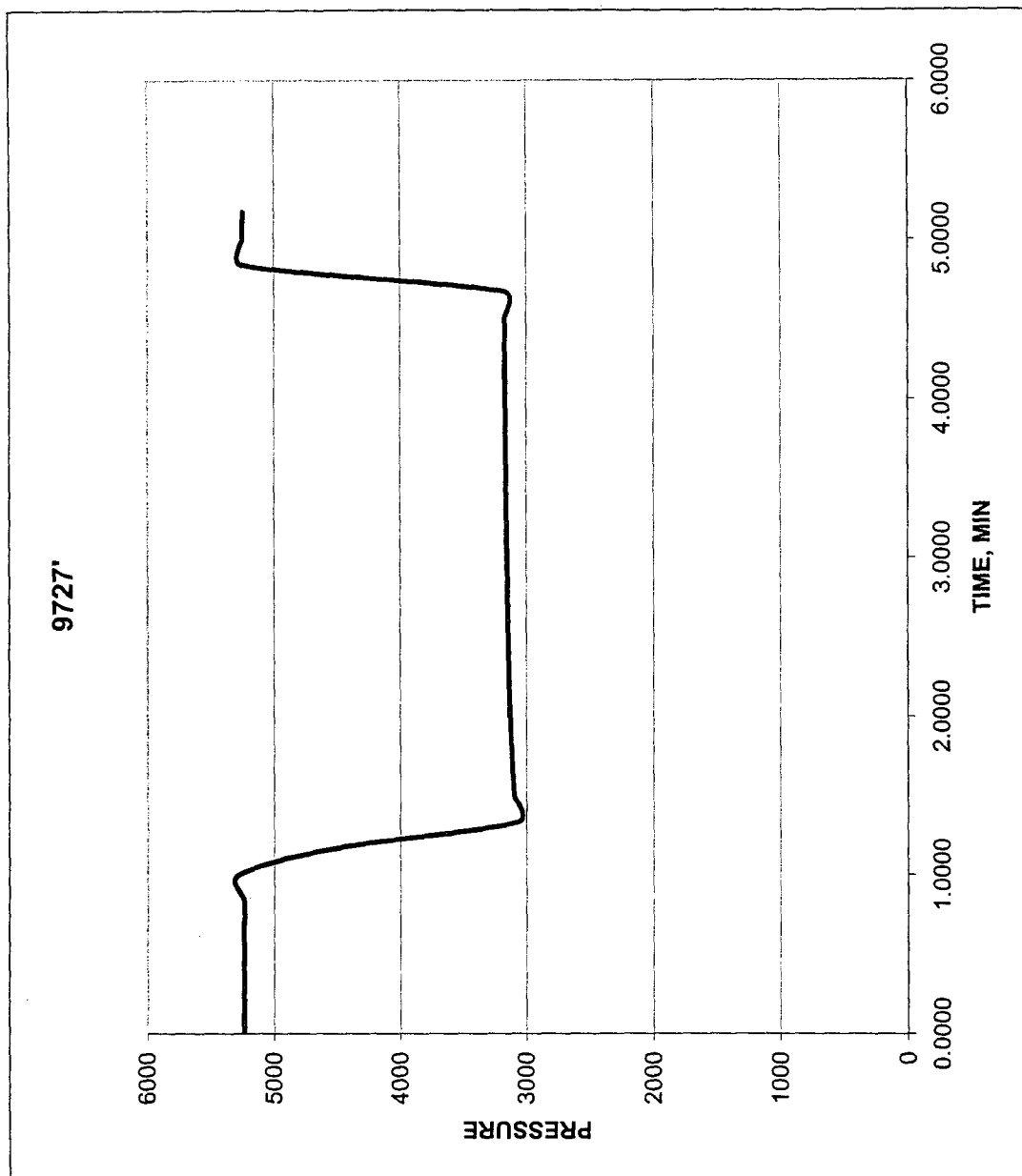


TABLE 1-C

9737'

TIME PRESSURE

0.0000	5250.279
0.1667	5248.800
0.3333	5248.800
0.5000	5247.280
0.6667	5252.651
0.8333	5247.280
1.0000	5303.273
1.1667	5288.019
1.3333	4290.279
1.5000	5042.747
1.6667	5044.914
1.8333	5046.085
2.0000	5044.588
2.1667	5043.242
2.3333	5043.095
2.5000	5040.479
2.6667	5038.263
2.8333	5247.642
3.0000	5251.484

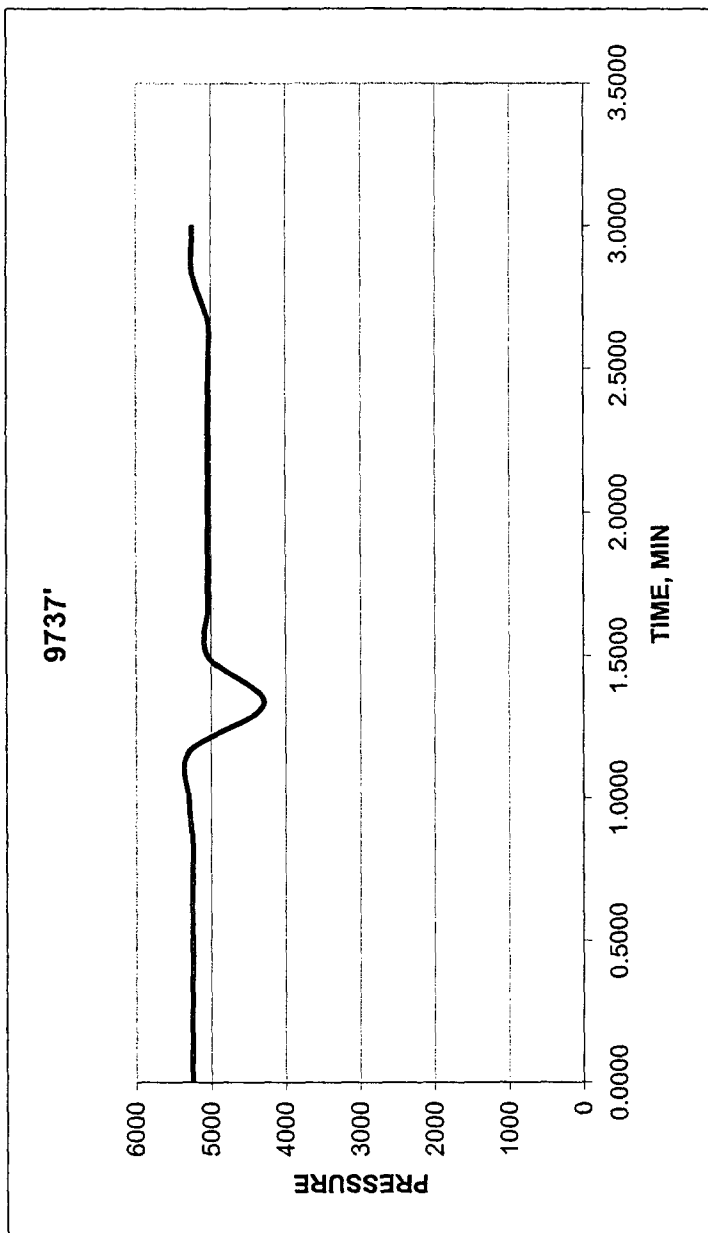


TABLE 1-D

WELL DATA

API	LEASE NAME	#	OPERATOR NAME	LOCATION	FIELD NAME	STATUS	PROD ZONE	OIL CUM	GAS CUM	WTR CUM
30015258050000	BASS	2	WESTERN OIL PRODUCERS INC.	1L 22S 27E NW SW	CARLSBAD EAST	ACT	WOLFCAMP	21,909	959,165	157
30015210480001	PECOS FEDERAL COM	1	DELTA PETROLEUM CORPORATION	1 22S 27E	CARLSBAD EAST	ACT	WOLFCAMP	139,058	1,631,881	5,523
30015215260000	WILSON GAS COM	1	WHITING PETROLEUM CORPORATION	1G 22S 27E	CARLSBAD EAST	INA	WOLFCAMP	13,423	224,216	304
30015256980000	CHASE 2 STATE	1	DEVON ENERGY CORPORATION	2N 22S 27E SE SW	CARLSBAD EAST	ACT	WOLFCAMP	28,905	662,807	5,555
30015256170000	DELTA FEE	1	PENROC OIL CORPORATION	2P 22S 27E	CARLSBAD EAST	ACT	WOLFCAMP	76,298	2,712,999	448
30015211130000	NIX YATES	1	DELTA PETROLEUM CORPORATION	2G 22S 27E	CARLSBAD EAST	ACT	WOLFCAMP	73,749	1,171,159	3,192
30015327660000	CHASE 2 STATE	2	DEVON ENERGY CORPORATION	2E 22S 27E E1/2 SW NW	CARLSBAD EAST	ACT	WOLFCAMP	4,245	140,458	846
30015215660000	TOOTHMAN GAS COM	1	DELTA PETROLEUM CORPORATION	25L 21S 27E	CARLSBAD EAST	ACT	WOLFCAMP	136,084	2,775,014	7,795
30015227220000	E J GARNER COM	1	DELTA PETROLEUM CORPORATION	28P 21S 27E	CARLSBAD EAST	ACT	WOLFCAMP	30,941	477,523	1,617
30015319710000	BAUMGARTNER FEDERAL GAS CC	2Y	OCCIDENTAL PERMIAN LIMITED	26F 21S 27E SE SE NW	LONE TREE DRAW	ACT	WOLFCAMP	9,777	92,601	703
30015220820000	GOVERNMENT AE	1	CITIES SERVICE COMPANY	27J 21S 27E	CARLSBAD EAST	INA	WOLFCAMP	107	11,059	
30015220200000	GOVERNMENT AD	2	CITIES SERVICE COMPANY	27E 21S 27E	CARLSBAD EAST	INA	WOLFCAMP	10	464,282	
30015220320000	ELIZANDO A FEDERAL	5	OXY USA INC	34K 21S 27E NE SW	CARLSBAD EAST	INA	WOLFCAMP	24,573	409,505	3,266
30015212570001	REEVES FEDERAL	1	DELTA PETROLEUM CORPORATION	38B 21S 27E	CARLSBAD EAST	ACT	WOLFCAMP	38,282	2,120,785	26,244
30015220860000	HUNKER COM	1	WESTERN OIL PRODUCERS INC.	38K 21S 27E	CARLSBAD EAST	ACT	WOLFCAMP	100,833	1,354,649	5,789
30015211980000	STATE 36	1	DELTA PETROLEUM CORPORATION	36L 21S 27E	CARLSBAD EAST	ACT	WOLFCAMP	92,124	80,295	1,066
30015224590001	STATE 36	2	DELTA PETROLEUM CORPORATION	36C 21S 27E	CARLSBAD EAST	ACT	WOLFCAMP	2,983	15,288,398	62,305

TABLE 2-A

WELL DATA

LEASE NAME	#	OIL LATEST MONTH	GAS LATEST MONTH	WATER LATEST MONTH	ACTIVE WELLS	FIRST PROD. DATE	LAST PROD. DATE	TD	UPPER PERFS	LOWER PERFS	LATITUDE	LONGITUDE
BASS	2	30	2,347		1	19880101	20041231	9,950	9,742	9,804	32.420	-104.149
PECOS FEDERAL COM	1	7	291		1	19750101	20040930	12,100	9,401	9,806	32.427	-104.145
WILSON GAS COM	1					19750701	19960430	10,043	9,457	9,920	32.424	-104.140
CHASE 2 STATE	1	81	3,292	7	1	19880201	20041231	10,705	9,579	9,693	32.417	-104.162
DELTA FEE	1	75	3,946		1	19860601	20041231	11,915	9,700	9,745	32.416	-104.154
NIX YATES	1		3,591		1	19740801	20040930	11,978	9,714	9,740	32.424	-104.158
CHASE 2 STATE	2	327	11,440	27	1	20031101	20041231	12,100	9,632	9,842	32.427	-104.166
TOOTHMAN GAS COM	1	211	5,180	6	1	19750901	20040930	12,000	9,677	9,777	32.449	-104.149
E J GARNER COM	1	43	498		1	19901001	20040930	11,800	9,711	9,775	32.445	-104.154
BAUMGARTNER FED. GAS COM	2Y	79	140	6	1	20020301	20041231	12,150	9,730	9,779	32.453	-104.162
GOVERNMENT AE	1					19810601	19810630	11,785	9250-54'	9472-74'	32.450	-104.175
GOVERNMENT AD	2					19771101	19780831	11,815	9,505	9,716	32.452	-104.184
ELIZANDO A FEDERAL	5					19771101	19920531	11,830	9,579	9,585	32.434	-104.179
REEVES FEDERAL	1	75	1,120	5	1	19760201	20040930	12,000	9,599	9,725	32.442	-104.158
HUNKER COM	1	218	3,875		1	19770701	20041231	11,895	9,641	9,717	32.435	-104.162
STATE 36	1	109	3,093	13	1	19740701	20040930	12,044	9,747	9,821	32.435	-104.150
STATE 36	2	41	589		1	19980601	20040930	11,800	9,793	9,824	32.442	-104.145

TOTAL MONTHLY PRODUCTION 1,296 39,402 64 13

DAILY PRODUCTION 42 1,271 2

AVG. DAILY PROD. PER WELL 3.22 97.77 0.16

TABLE 2-B

9 SECTION STUDY AREA - WOLFCAMP ZONE

LEASE NAME	#	OPERATOR NAME	LOCATION	January-05		January-05		BO/POR-FT	MMCFG/POR-FT	POR-FT	GAS
				OIL, BBLs	CUM.	GAS, MCF	CUM.				Recovery Ratio*
BASS	2	WESTERN OIL PRODUCERS INC.	1L 22S 27E NW SW	21,909		959,165		999		0.96	1.01
PECOS FEDERAL COM	1	DELTA PETROLEUM CORPORATION	1 22S 27E	139,058		1,631,881		3,200		0.51	3.22
WILSON GAS COM	1	WHITING PETROLEUM CORPORATION	1G 22S 27E	13,423		224,216		377		0.595	0.38
CHASE 2 STATE	1	DEVON ENERGY CORPORATION	2N 22S 27E SE SW	28,905		662,807		780		0.85	0.78
DELTA FEE	1	PENROC OIL CORPORATION	2P 22S 27E	76,298		2,712,999		1,739		1.56	1.75
NIX YATES	1	DELTA PETROLEUM CORPORATION	2G 22S 27E	73,749		1,171,159		1,220		0.96	1.23
CHASE 2 STATE	2	DEVON ENERGY CORPORATION	2E 22S 27E E/2 SW NW	4,245		140,458		201		0.7	0.20
TOOTHMAN GAS COM	1	DELTA PETROLEUM CORPORATION	25L 21S 27E	136,084		2,775,014		4,549		0.61	4.58
E J GARNER COM	1	DELTA PETROLEUM CORPORATION	26P 21S 27E	30,941		477,523		485		0.985	0.49
BAUMGARTNER FEDERAL	2Y	OCCIDENTAL PERMIAN LIMITED	26F 21S 27E SE SE NW	9,777		92,601		272		0.34	0.27
GOVERNMENT AE	1	CITIES SERVICE COMPANY	27J 21S 27E	107		0		0		0.001	0.00
GOVERNMENT AD	2	CITIES SERVICE COMPANY	27E 21S 27E	10		11,059		111		0.1	0.11
ELIZANDO A FEDERAL	5	OXY USA INC	34K 21S 27E NE SW	24,573		464,282		929		0.5	0.93
REEVES FEDERAL	1	DELTA PETROLEUM CORPORATION	35B 21S 27E	38,282		409,505		319		1.285	0.32
HUNKER COM	1	WESTERN OIL PRODUCERS INC.	35K 21S 27E	100,833		2,120,785		993		2.135	1.00
STATE 36	1	DELTA PETROLEUM CORPORATION	36L 21S 27E	92,124		1,354,649		855		1.585	0.86
STATE 36	2	DELTA PETROLEUM CORPORATION	36C 21S 27E	2,983		80,295		166		0.485	0.17
TOTAL				793,301		15,288,398					

* .9937 BCFG/POR.-FT./160 AC

**1.656 BCFG/POR-FT/160 AC

GAS ANALYSIS INPUT

COMPONENT	INPUT MOLE, %	GPM	MW	WEIGHT
HYDROGEN SULPHIDE	0.00		34.080	0.00
CARBON DIOXIDE	0.00		44.010	0.00
NITROGEN	1.00		28.020	0.28
METHANE	56.00		16.040	8.98
ETHANE	9.00		30.070	2.71
PROPANE	8.00		44.090	3.53
iso-BUTANE	6.00		58.120	3.49
n-BUTANE	5.00		58.120	2.91
iso-PENTANE	4.00		72.150	2.89
n-PENTANE	3.00		72.150	2.16
HEXANES	2.50		86.170	2.17
HEPTANES	1.75		100.200	1.75
OCTANES	1.50		114.200	1.71
NONANES	1.00		128.300	1.28
DECANES	0.75		142.300	1.07
UNDECANES PLUS	0.50		150.000	0.75
	100.00	0.000		35.676

SPECIFIC GRAVITY

1.2315

AIR

28.97

Z FACTOR

 RESERVOIR PRESSURE = 6163 PSI
 RESERVOIR TEMPERATURE = 165 F

 $P_r = P/P_c = \frac{615.7}{1206.457} = 0.5099$
 $T_r = T/T_c = \frac{518.0}{615.7} = 0.8414$

	Pc-PSIA	Is-F	pPc	pTc
HYDROGEN SULPHIDE	1306.0	212.70	0.00	0.00
CARBON DIOXIDE	1071.0	87.90	0.00	0.00
NITROGEN	493.0	-232.40	4.93	2.28
METHANE	667.8	-116.63	373.97	192.29
ETHANE	707.8	90.09	63.70	49.51
PROPANE	616.3	206.01	49.30	53.28
iso-BUTANE	529.1	274.98	31.75	44.10
n-BUTANE	550.7	305.65	27.54	38.28
iso-PENTANE	490.4	369.10	19.62	33.16
n-PENTANE	488.6	385.70	14.66	25.37
HEXANES	436.9	457.70	10.92	22.94
HEPTANES	396.8	512.80	6.94	17.02
OCTANES	360.6	564.22	5.41	15.36
NONANES	332.0	610.68	3.32	10.71
DECANES	304.0	652.10	2.28	8.34
UNDECANES PLUS	270.0	620.00	1.35	5.40

TOTAL 615.68 518.0456

 $Z = \frac{0.06125 P_r T_r^{1.2(1-y)^2}}{y} = \frac{0.49064}{0.4168} = 1.177169$

y = 0.4168

GAS FORMATION VOLUME FACTOR = 0.003367

SCFG/CL.FT. = 297.03

CARBON DIOXIDE 0.00%

HYDROCARBON GAS 99.00%

VOLUMETRICS

POROSITY= 10.00% (= 1 POR-FT)

Hn= 10 FT.

Sw= 20.00%

Bg= 0.003367

AREA= 160 ACRES

RECOVERY FACTOR= 60.00%

G= 1,656,120,271 SCFG OGIP

RECOVERABLE= 993,672,163 SCFG

GAS CONDENSATE SYSTEM

CONDENSATE YIELD= 52.00 BC/MMCFG

MOLECULAR WEIGHT= 124.00

OIL S.G.= 0.76

GE= 814.09 scf/STB

OIL GRAV. DEG. API	OIL S.G	M.W.	GAS EQUIV. OF ST CONDENSATE SCF/STB
45	0.802	156.00	684.000
50	0.78	138.00	752.000
55	0.759	124.00	814.000
50	0.739	113.00	870.000
65	0.72	103.00	930.000

ORIGINAL-GAS-IN-PLACE AND PROJECTED ULTIMATE RECOVERY

LEASE NAME	#	LOCATION	ACRES-DRAINAGE	POR-FT	OGIP**		PROJECTED ULTIMATE GAS	AC-FI
					MCFG	Recovery MCFG		
BASS	2	1L 22S 27E NW SW	320	0.96	3,179,520	1,907,904		307
PECOS FEDERAL COM	1	1 22S 27E	160	0.51	844,560	506,787		82
WILSON GAS COM	1	1G 22S 27E	160	0.595	985,320	591,252		95
CHASE 2 STATE	1	2N 22S 27E SE SW	160	0.85	1,407,600	844,645		136
DELTA FEE	1	2P 22S 27E	160	1.56	2,583,360	1,550,172		250
NIX YATES	1	2G 22S 27E	160	0.96	1,589,760	953,952		154
CHASE 2 STATE	2	2E 22S 27E E/2 SW NW	160	0.7	1,159,200	695,590		112
TOOTHMAN GAS COM	1	25L 21S 27E	320	0.61	2,020,320	1,212,314		195
E J GARNER COM	1	26P 21S 27E	320	0.985	3,262,320	1,957,589		315
BAUMGARTNER FEDERAL	2Y	26F 21S 27E SE SE NW	320	0.34	1,126,080	675,716		109
GOVERNMENT AE	1	27J 21S 27E	320	0.001	3,312	1,987		0
GOVERNMENT AD	2	27E 21S 27E	320	0.1	331,200	198,740		32
ELIZANDO A FEDERAL	5	34K 21S 27E NE SW	640	0.5	3,312,000	1,987,400		320
REEVES FEDERAL	1	35B 21S 27E	320	1.285	4,255,920	2,553,809		411
HUNKER COM	1	35K 21S 27E	320	2.135	7,071,120	4,243,099		683
STATE 36	1	36L 21S 27E	320	1.585	5,249,520	3,150,029		507
STATE 36	2	36C 21S 27E	320	0.485	1,606,320	963,889		155
TOTAL			4,800	AC.	39,987,432	23,994,874		3,864
			7.5	SEC.				

(LESS SEC. 35 & E/2 SEC. 25)

* .9937 BCFG/POR.-FT./160 AC

**1.656 BCFG/POR.-FT./160 AC

POROSITY - FEET

<u>LEASE NAME</u>	<u>#</u>	<u>OPERATOR NAME</u>	<u>LOCATION</u>	<u>DEPTH</u>	<u>Hn. FT.</u>	<u>POROSITY</u>	<u>POR-FT.</u>
BOISE FEDERAL	1	MYCO INDUSTRIES, INC.	35H 21S 27E	9702	9705	3.00%	0.09
				9705	9708	5.00%	0.15
				9708	9710	5.50%	0.11
				9711	9714	5.00%	0.15
				9719	9720	3.50%	0.04
				9721	9723	4.00%	0.08
				9725	9728	7.00%	0.21
				9729	9732	5.00%	0.15
				9733	9735	3.00%	0.06
				9735	9738	6.50%	0.20
				9743	9746	5.50%	0.11

TOTAL 27.00 1.34

RECOVERY

<u>INTERVAL</u>	<u>POR-FT</u>	<u>PRESSURE</u>	<u>Bq</u>	<u>GIP/160 AC.</u>	<u>P/Pi</u>	<u>RECOVERY FACTOR</u>	<u>RECOVERY RATIO</u>	<u>RECOVERABLE GAS RESERVES</u>
9702-9714'	0.50	2640.7	0.004203	663,297,645	0.43078303	60.00%	0.6	102,865,454
9719-9732'	0.48	3175.0	0.003942	671,853,881	0.51794454	60.00%	0.6	125,273,897
9733-9746'	0.37	5038.3	0.003506	580,468,662	0.82190865	60.00%	0.6	171,753,202
<u>TOTAL</u>	1.34			1,915,620,208				399,892,553

TABLE 7