



SPERRY-SUN WELL SURVEYING COMPANY
HORIZONTAL PROJECTION

HORIZONTAL DISPLACEMENT = 359.63 FEET AT SOUTH 68° 43' WEST

TEXAS PACIFIC OIL COMPANY
STATE AF WELL N° 2
VACUUM ABO FIELD
LEA COUNTY, NEW MEXICO
GYROSCOPIC MULTISHOT SURVEY N° SUR-3781
ZERO - 4015'
MAGNETIC MULTISHOT SURVEY N° MS-3782
4015' - 10,981'
MARCH 5, 1964
MAGNETIC MULTISHOT SURVEY N° MS-3801
10,981' - 11,849'
MARCH 20, 1964
SCALE 1" = 20'

11,849'
MS-3801
TVD=11,824.54

10,981'
MS-3782

10,036'

9,005'

7,978'

7,045'

6,018'

4,994'

SUR-3781
4015'

SURVEY TABULATION SHEET

CUSTOMER TEXAS PACIFIC OIL COMPANY
 WELL NO STATE AF N° 2
 FIELD VACUUM A80
 BEA County NEW MEXICO
 SHEET NO 1 OF 2
 SURVEY JOB NO SUR-3781
 SURVEY DATE MARCH 5, 1964



Gyroscopic MULTIS.407

CORRECTED TIME	MEASURED DEPTH	CORSE TOTAL	VERTICAL DEPTH	ANGLE OF INCLINATION	CORSE (ft)	DIRECTION OF INCLINATION		MEASURED COURSE DISPLACEMENT				TOTAL DISPLACEMENT				
						OBSERVED	CORRECTED	NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST	
2:25:20	58	0	68.00	1/4	68.00	N 29 W	N 27 W	.27				.13	.27			.13
27:20	92	68	92.00	1/2	92.00	N 58 W	N 48 W	.54				.60	.81			.73
29:30	93	160	93.00	1/2	253.00	N 58 W	N 56 W	.45				.67	1.26			1.40
31:15	93	346	93.00	1/2	346.00	N 59 W	N 56 W	.45				.67	1.71			2.07
32:55	94	440	93.99	3/4	439.99	N 42 W	N 39 W	.96				.77	2.67			2.84
34:45	94	534	93.99	3/4	533.98	N 35 W	N 32 W	1.04				.65	3.71			3.49
36:15	93	627	92.99	3/4	626.97	N 30 W	N 27 W	1.08				.55	4.79			4.04
43:00	94	721	94.00	1/2	720.97	N 25 W	N 22 W	.76				.31	5.55			4.35
44:35	94	815	94.00	1/2	814.97	N 24 W	N 21 W	.77				.29	6.32			4.64
46:15	93	908	93.00	1/4	907.97	N 46 W	N 43 W	.30				.28	6.62			4.92
48:00	94	1002	94.00	1/4	1001.97	N 46 W	N 43 W	.30				.28	6.92			5.20
49:20	94	1096	94.00	1/4	1095.97	N 44 W	N 41 W	.31				.27	7.23			5.47
50:40	94	1190	94.00	0	1189.97	-	-						7.23			5.47
52:00	94	1284	94.00	0	1283.97	-	-						7.23			5.47
53:30	93	1377	93.00	1/4	1376.97	WEST	N 86 W	.03				.40	7.26			5.87
55:00	94	1471	94.00	1/2	1470.97	S 82 W	S 86 W	.06				.82	7.20			6.69
56:20	94	1565	94.00	1/2	1564.97	S 73 W	S 78 W	.17				.80	7.03			7.49
57:20	93	1658	92.99	3/4	1657.96	S 68 W	S 73 W	.36				1.16	6.67			8.65
2:03:40	94	1752	94.00	1/2	1751.96	S 75 W	S 80 W	.14				.81	6.53			9.46
05:45	92	1844	92.00	1/2	1843.96	N 18 W	N 06 W	.80				.08	7.33			9.54
07:10	93	1937	93.00	1/2	1936.96	N 16 E	N 23 E	.75				.32	8.08			9.22
08:30	94	2031	94.00	1/2	2030.96	N 25 E	N 33 E	.70				.43	8.78			8.79
10:00	95	2126	95.00	1/2	2125.96	N 27 E	N 34 E	.69				.46	9.47			8.33
11:20	93	2219	93.00	0	2218.96	-	-						9.47			8.33
12:45	91	2310	91.00	0	2309.96	-	-						9.47			8.33
14:05	92	2402	92.00	1/4	2401.96	N 50 E	N 58 E	.21				.34	9.68			7.99
15:30	94	2496	94.00	1/2	2495.96	N 47 E	N 55 E	.47				.67	10.15			7.32
16:55	93	2589	93.00	1/2	2588.96	N 45 E	N 53 E	.49				.65	10.64			6.67
18:00	93	2682	92.99	3/4	2681.95	N 52 E	N 60 E	.61				1.05	11.25			5.62

DONE BY [Signature]

SURVEY TABULATION SHEET

CUSTOMER
TEXAS PACIFIC OIL COMPANY

WELL NO
STATE AF N° 2

FIELD
VACUUM A80
LEA County, NEW MEXICO

SHEET NO
A OF 2

SURVEY
JOB NO
SUR. 3781

SURVEY
DATE
MARCH 5, 1964

N
W
E

Gyroscopic

MULTI SHOT



CORRECTED TIME	MEASUREMENT	SPR	TOTAL	VERTICAL DEPTH	ANGLE OF TATION	BEARING	DIP	DIRECTION OF INCLINATION			MEASURE COURSE ELEVATION			TOTAL DISPLACEMENT		
								N	S	E	W	E	W	N	E	W
19:00	93	2775	92.99	2774.94	3/4	N 48° E	8 E	N 56° E	.68	1.01	11.93	3	4	4.61		
27:00	93	2867	91.99	2866.93	1/4	N 43° E	9 E	N 52° E	.99	1.27	12.92	3	4	3.34		
4:22:00	95	2959	91.95	2958.91	1/4	N 41° E	9 E	N 52° E	.82	1.83	13.74	3	4	1.51		
3:31:25	93	3052	92.97	3051.88	1/2	N 40° E	9 E	N 47° E	1.60	1.84	15.34	3	4	3.34		
4:19:30	93	3145	92.97	3144.85	1/2	N 38° E	9 E	N 42° E	1.14	2.15	16.48	3	4	1.51		
4:18:00	93	3238	92.99	3237.84	1/4	N 40° E	9 E	N 44° E	.71	1.46	17.19	3	4	4.61		
3:34:00	94	3332	93.98	3331.82	1/2	N 41° E	10 E	N 51° E	1.29	1.59	18.48	3	4	3.34		
35:55	94	3426	94.00	3425.82	1/2	N 37° E	10 E	N 47° E	.50	.65	18.98	3	4	1.51		
37:45	92	3518	92.00	3517.82	1/2	N 48° E	10 E	N 47° E	.55	.59	19.53	3	4	4.61		
40:20	93	3611	93.00	3610.82	1/4	S 85° W	11 E	N 37° W	.32	.34	19.85	3	4	3.34		
41:45	94	3705	94.00	3704.82	1/2	S 81° W	11 E	N 34° W	.09	.82	19.94	3	4	1.51		
42:50	92	3797	91.99	3796.81	3/4	S 87° W	12 E	N 27° W	.06	1.20	20.00	3	4	4.61		
44:15	94	3891	93.99	3890.80	1	S 84° W	12 E	N 27° W	.17	1.63	20.17	3	4	3.34		
50:00	92	3983	91.99	3982.79	1	N 85° W	14 E	N 71° W	.52	1.52	20.69	3	4	1.51		
52:40	33	4015	31.99	4014.78	1/4	N 85° W	15 E	N 70° W	.25	.66	20.94	3	4	4.61		

DONE BY: [Handwritten signatures and initials]

SURVEY TABULATION SHEET

Exploration Pacific Oil Company
State AF No. 2
Vacuum Abo
Lea County, New Mexico



Magnetic Multistart

SHEET NO / of 3
SURVEY LINE NO 115-3782
SURVEY DATE March 5, 1964

STATION	CORRECTION	SOUTH	EAST	MAGNITUDE	DIRECTION	DISTANCE	S	E	W	T	MEASURED CORRECTION	EAST	WEST	TOTAL DISPLACEMENT		
														NORTH	SOUTH	WEST
4015		4014.78			TAKEN FROM	SURVEY	11E	70	W	126	72	20.94		20.94		.72
2-54-40	44	4059	43.99	4058.77	1/4	S	81	W	82	W	2.03	21.20	21.20	21.20	21.20	2.03
52-40-94	44	4153	43.98	4152.75	1/4	S	82	W	82	W	2.46	20.91	20.91	20.91	20.91	2.46
51-00-94	94	4247	43.97	4246.72	1/2	S	83	W	83	W	3.28	20.97	20.97	20.97	20.97	3.28
49-20-94	94	4341	43.94	4340.66	2	S	80	W	89	W	3.21	20.52	20.52	20.52	20.52	3.21
47-40-93	93	4434	42.94	4433.60	2	S	71	W	82	W	3.25	20.06	20.06	20.06	20.06	3.25
46-20-94	94	4528	43.94	4527.54	2	S	71	W	82	W	3.26	20.40	20.40	20.40	20.40	3.26
44-40-94	94	4622	43.94	4621.48	2	S	88	W	84	W	3.21	20.29	20.29	20.29	20.29	3.21
42-40-92	92	4714	41.94	4713.42	2	S	77	W	89	W	3.25	20.35	20.35	20.35	20.35	3.25
41-20-93	93	4807	42.94	4806.36	2	S	80	W	89	W	3.61	19.58	19.58	19.58	19.58	3.61
38-40-94	94	4901	43.93	4900.29	2	S	67	W	78	W	3.65	19.29	19.29	19.29	19.29	3.65
37-00-93	93	4994	42.93	4993.22	2	S	79	W	86	W	4.09	19.57	19.57	19.57	19.57	4.09
35-20-94	94	5088	42.91	5087.13	2	S	83	W	86	W	4.05	19.46	19.46	19.46	19.46	4.05
33-40-93	93	5181	42.91	5180.04	2	S	86	W	86	W	4.02	18.62	18.62	18.62	18.62	4.02
30-40-94	94	5275	43.94	5273.98	2	S	77	W	82	W	3.93	18.07	18.07	18.07	18.07	3.93
29-00-93	93	5368	42.91	5366.89	2	S	71	W	82	W	3.26	17.67	17.67	17.67	17.67	3.26
27-20-93	93	5461	42.91	5459.80	2	S	75	W	82	W	2.77	17.03	17.03	17.03	17.03	2.77
26-00-91	91	5552	42.91	5550.71	2	S	71	W	82	W	3.10	15.96	15.96	15.96	15.96	3.10
24-20-94	94	5646	43.94	5644.65	2	S	72	W	83	W	3.19	16.30	16.30	16.30	16.30	3.19
22-40-93	93	5739	42.96	5737.61	1	S	66	W	77	W	2.57	17.50	17.50	17.50	17.50	2.57
21-00-94	94	5833	43.94	5831.53	2	S	60	W	71	W	1.87	18.29	18.29	18.29	18.29	1.87
19-40-92	92	5925	41.94	5923.49	2	S	85	W	71	W	2.85	18.59	18.59	18.59	18.59	2.85
18-00-93	93	6018	42.96	6016.45	1	S	76	W	65	W	2.87	18.64	18.64	18.64	18.64	2.87
14-40-93	93	6111	42.98	6109.43	1	S	80	W	67	W	3.27	18.87	18.87	18.87	18.87	3.27
13-00-94	94	6205	43.96	6203.39	1	S	85	W	69	W	4.09	19.16	19.16	19.16	19.16	4.09
11-00-94	94	6299	43.96	6297.35	1	S	80	W	86	W	4.03	19.58	19.58	19.58	19.58	4.03
09-20-94	94	6393	43.94	6391.29	2	S	83	W	86	W	3.65	19.77	19.77	19.77	19.77	3.65
07-20-94	94	6487	43.91	6485.20	2	S	85	W	86	W						
05-40-93	93	6580	42.91	6578.11	2	S	85	W	84	W						
2-04-00	93	6673	42.93	6671.04	2	S	82	W	87	W						

Handwritten signatures and initials: W.M., J.A., W.M., J.A., W.M., J.A., W.M., J.A., W.M., J.A., W.M., J.A., W.M., J.A.

SURVEY TABULATION SHEET

PROJECT NO 243
 SURVEY DATE 195-3782
 SURVEY DATE March 5, 1964

CUSTOMER *Esso Pacific Oil Company*
 WELL NO *State AF No. 2*



FIELD *Yacuum Abo*
Lea County, New Mexico

Magnetic Inclination

WELL NO	DEPTH	MAGNETIC DEPTH	CORRECTION	TOTAL	ANGLE OF INCLINATION	CORRECTION	MEASURED DISPLACEMENT				TOTAL DISPLACEMENT					
							NORTH	SOUTH	EAST	WEST	NORTH	SOUTH	EAST	WEST		
2-02-20	94	6767	9394	6764	98	2	86	W	11E	11	83	W	40	3.26	20.17	95.43
2-00-20	92	6859	9196	6856	94	1	88	W		11	77	W	.63	2.74	20.80	98.17
1-58-40	94	6953	9387	6950	81	3	17	W		11	51	W	4.22	2.53	25.02	100.76
56-40	92	7045	9183	7042	64	3	15	W		11	04	W	5.60	3.39	30.62	101.09
55-00	94	7139	9289	7136	53	2	11	W		11	02	W	4.57	3.51	35.13	101.09
53-20	93	7222	9289	7229	42	2	14	W		11	03	W	4.45	2.3	39.59	101.32
51-20	93	7325	9287	7322	29	3	17	W		11	06	W	4.84	.51	44.43	101.83
49-20	92	7417	9189	7414	18	2	26	W		11	09	W	4.36	.69	46.79	102.54
48-00	93	7510	9295	7507	11	2	30	W		11	19	W	3.45	1.19	50.24	103.71
45-00	94	7604	9396	7601	07	1	45	W		11	34	W	2.38	1.60	54.62	105.31
43-00	93	7697	9298	7694	05	1	72	W		11	67	W	.79	1.87	55.41	107.18
40-40	93	7790	9298	7787	03	1	59	W		11	48	W	1.26	1.51	56.71	108.69
58-40	94	7884	9394	7880	97	2	62	W		11	51	W	2.06	2.53	58.83	111.24
36-20	94	7978	9396	7974	93	1	74	W		11	63	W	1.30	2.56	60.13	113.80
34-20	94	8072	9389	8068	82	2	87	W		11	82	W	.63	4.46	62.76	118.26
32-40	94	8166	9389	8162	71	2	82	W		11	87	W	.24	4.50	61.00	122.76
30-40	93	8259	9287	8255	58	3	65	W		5	76	W	1.48	4.72	59.82	127.48
28-40	93	8352	9287	8348	45	3	88	W		5	89	W	.63	4.87	59.74	132.35
27-00	94	8446	9287	8442	22	4	88	W		11	84	W	1.48	6.39	61.22	138.74
25-00	92	8538	9180	8534	02	3	85	W		11	84	W	.63	5.98	61.85	144.22
23-40	94	8632	9397	8627	79	4	75	W		11	86	W	46	6.54	61.39	151.26
21-40	93	8725	9268	8720	47	4	84	W		11	84	W	.80	7.66	60.59	158.92
19-20	92	8817	9178	8812	25	4	86	W		11	84	W	1.55	6.23	59.04	165.15
17-20	94	8911	9271	8906	02	4	65	W		11	76	W	1.59	6.36	57.45	171.51
14-00	94	9005	9271	8999	73	4	65	W		11	86	W	.57	7.36	56.74	178.87
12-00	93	9098	9271	9092	50	4	78	W		11	89	W	.22	6.49	56.83	185.36
10-00	94	9192	9377	9186	27	4	77	W		11	88	W	.46	6.54	56.14	191.91
08-00	94	9286	9377	9280	04	4	77	W		11	86	W	.18	5.54	55.76	198.45
06-00	93	9379	9285	9372	89	3	77	W		11	88	W	.09	5.27	55.96	203.72
04-00	94	9473	9385	9466	74	3	78	W	11E	5	89	W		5.33	55.87	209.05

DATE *1964* BY *[Signature]*

SURVEY TABULATION SHEET

Out Run

CUSTOMER: *Deas Pacific Oil Company*

WELL NO: *State AF No 2*

FIELD: *Vacuum Abo*
Lea County, New Mexico

SHEET NO: *3 of 3*
SURVEY JOB NO: *MS-3782*
SURVEY DATE: *March 5, 1964*



Magnetic Multishot

WELL NO	MEASURED	CORRECTED	TOTAL	ANGLE	SIGHT	DIRECTION OF INCLINATION		DIP	MEASURED DISPLACEMENT			TOTAL DISPLACEMENT			
						W	E		N	E	S	E	N	E	S
1-02-00	94	9567	93.91	9560.65	2 1/2	83	W	11 E	17	86	W	.29	4.09	56.16	213.14
1-06-00	94	9661	93.93	9654.58	2 1/4	88	W		17	81	W	.58	3.64	56.74	216.78
12-58-00	94	9755	93.94	9748.52	2	88	W		17	89	W	.06	3.28	56.80	220.06
52-00	94	9849	93.94	9842.46	2	83	W		17	86	W	.23	3.27	57.03	223.33
54-00	93	9942	92.94	9935.40	2	85	W		17	74	W	.89	3.12	57.92	226.45
52-00	94	10036	93.96	10029.36	1 3/4	74	W		5	85	W	.25	2.86	57.67	229.31
49-40	94	10130	93.97	10123.33	1 1/2	77	W		5	88	W	.09	2.46	57.58	231.77
47-40	94	10224	93.97	10217.30	1 1/2	78	W		5	83	W	.30	2.44	57.28	234.21
44-20	91	10315	90.95	10309.25	2	57	W		5	68	W	1.19	2.94	56.09	237.15
41-00	93	10408	92.83	10401.08	3 1/2	26	W		5	37	W	4.53	3.42	51.56	240.57
38-40	92	10500	91.61	10492.69	5 1/4	12	W		5	23	W	7.75	3.29	43.81	243.86
36-40	93	10593	92.57	10585.26	5 1/2	12	W		5	16	W	8.57	2.46	35.24	246.32
33-40	93	10686	92.65	10677.91	5	05	W		5	14	W	7.86	1.96	27.38	248.28
30-20	93	10779	92.77	10770.68	4	05	W		5	16	W	6.24	1.79	21.14	250.07
30-20	94	10873	93.74	10864.42	4 1/4	18	W		5	29	W	6.09	3.38	15.05	253.45
28-00	94	10967	93.20	10957.62	7 1/2	07	W		5	18	W	11.67	3.79	3.38	257.24
12-25-00	14	10981	13.90	10971.52	6 3/4	06	W	11 E	5	17	W	1.57	.48	1.81	257.72

Horizontal displacement 257.73 ft. at North 89°36' West.

Handwritten notes and signatures in the right margin, including 'OK' and 'S.D.'.

MN 20979

COUNTY LEA FIELD Vacuum STATE NM OWWO
 OPR TEXAS PACIFIC OIL CO., INC. MAP
 2 State "AF"
 Sec 8, T-18-S, R-35-E CO-ORD
 330' FSL, 2130' FEL of Sec
 Re-Cmp 8-31-70 CLASS *OWDF* EL *3956*

	FORMATION	DATUM	FORMATION	DATUM
C&G & SX - TUBING				
13 3/8" at 408' w/400 sx				
9 5/8" at 4015' w/3554 sx				
7" at 11,837' w/2000 sx				
LOGS EL GR RA IND HC A				
	FD 11,850'; ERD 10,100'			

(Abo) Perfs 8937-9080' NO NEW POTENTIAL

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CONT. PROP DEPTH 10,155' TYPE WO
 DATE

F.R.C. 9-17-70; Opr's Elev. 3956' DE
 FD 10,155' WO (Wolfcamp)
 (Orig. comp. 4-3-64 thru Abo Perfs 9053-80'; OTD 11,850'; OPB 11,409')
 9-15-70 TD 11,850'; PBD 10,100'; COMPLETE
 Perf (Wolfcamp) @ 10,134', 10,146', 10,148',
 10,151', 10,153', 10,155' w/1 SPI
 Acid (10,134-155') 2000 gals
 Swbd 188 BW in 12 hrs (10,138-155')
 CIBP @ 10,100'
 Perf @ 8937', 8941', 8944', 8952', 8954', 8956',
 8958', 8963', 8970', 8976', 8980', 8985', 8991',
 9000', 9004', 9007', 9012', 9018', 9020', 9025'
 Acid (8937-9025') 2000 gals

LEA Vacuum NM Sec 8, T18S, R35E
TEXAS PACIFIC OIL CO., INC. #2 State "AP" Page #2

9-15-70 Continued
Ppd 396 BO + 83 BW in 24 hrs (8937-9080")
9-17-70 COMPLETION REPORTED

WRS COMPLETION REPORT

COMPLETIONS SEC 8 TWP 18S RGE 35E
PI# 30-T-0015 05/04/87 30-025-20979-0002 PAGE 1

NMEX LEA * 330FSL 2130FEL SEC SW SE
STATE COUNTY FOOTAGE SFC
SUN EXPL & PROD D X DO
OPERATOR WELL CLASS INIT FIN

2 STATE "AF"
WELL NO. LEASE NAME

3956DF VACUUM
OPER ELEV FIELD POOL AREA

API 30-025-20979-0002
LEASE TYPE NO. PERMIT OR WELL ID. NO.

03/18/1987 04/05/1987 WO-UNIT OIL-WO
SPUD DATE COMP. DATE TYPE TOO. STATUS

11850 ABO NOT RPTD
PRO. DEPTH PROJ FORM CONTRACTOR

DTD 11850 PB 9702 OTD 11850 FM/TD DEVONIAN
DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

4 MI SE BUCKEYE, NM

WELL IDENTIFICATION/CHANGES

PROJ FM CHGD FROM WOLFCAMP
FIELD CHGD FROM VACUUM EAST

TUBING DATA

TBG 2 7/8 AT 9155

INITIAL POTENTIAL

IPP 14BOPD 16 MCFD 25BW 24HRS
ABO PERF 8937- 9080 GROSS
PERF 8937- 9080 GTY NR; GOR NR

PRODUCTION TEST DATA

PTS 132BW
WOLFCAMP PERF W/ 73/IT 9864- 9900
PERF 9864- 9900
ACID 9864- 9900 5000GALS
20% NEFE HCL
BRPG 9864- 9900 DEPTH 9702
SWBD 132 BW W/NS

CONTINUED IC# 300257006687

COMPLETIONS SEC 8 TWP 18S RGE 35E
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SUN EXPL & PROD D X DO
2 STATE "AF"

DRILLING PROGRESS DETAILS

SUN EXPL & PROD
BOX 1861
MIDLAND, TX 79702
915-688-0300

OWWO: OLD INFO: FORMERLY TEXAS PACIFIC OIL, #2
STATE "AF". ELEV 3956 DF. 13 3/8 @ 408 W/400
SX, 9 5/8 @ 4015 W/3554 SX, 7 @ 11837 W/2000 SX.
OTD 11850. PB 10100. COMP 8/31/70. NO NEW
POTENTIAL. PROD ZONE: ABO 8937-9080.

03/18 LOC/1987/

04/23 OPERATOR RETURNED WELL TO PRODUCTION FROM
EXISTING VACUUM (ABO) PERFS 8937-9080 AFTER
UNSUCCESSFUL TEST IN THE VACUUM EAST (WOLFCAMP)
ZONE

04/28 11850 TD, PB 9702
COMP 4/5/87, IPP 14 BO, 16 MCFG, 25 BWP,
GOR (NR), GTY (NR)
PROD ZONE - ABO 8937-9080

COUNTY	LEA	FIELD	Undesignated	STATE	N.M.			
OPR	TEXAS PACIFIC OIL COMPANY				MAP			
2 State of New Mexico "AF"								
Sec. 8, T-18-S, R-35-E				CO-ORD				
330' fr S Line & 2130' fr E Line of Sec.								
Spud 12-22-63								
Comp 4-3-64								
		CLASS		EL				
		FORMATION	DATUM	FORMATION	DATUM			
CSG & SX - TUBING		LOG:						
13 3/8"	408'	400						
9 5/8"	4015'	3754	Anhy 1670					
7"	11850'	2000	Yates 3162					
			Queen 4298					
			SA 4982					
			B Spg 6448					
LOGS		EL	GR	RA	IND	HC	A	B
		Spg Rf 8933						
		TD 11850', PBD 11409'						

IP Abo Perfs 9053-80' Flwd 264 BOPD. Pot. Based on 12 hr test of 132 BO thru 24/64" chk., TP 200#, GOR 970.

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CONT. B. L. McFarland PROP DEPTH 12,000' TYPE RT
 DATE

F.R. 7-18-63; Oper's Elev. 3956' DF
 PD 12,000' - Devonian
 Contractor - B. L. McFarland
 12-19-63 AMENDED FOOTAGE: Was 330' FSL & 1980' FEL of Sec.
 12-30-63 Drlg. 3681' anhy.
 1-6-64 Drlg. 5652' lm.
 1-13-64 Drlg. 7625' lm. & ch.
 1-20-64 Drlg. 8607' dolo.
 DST 7689-7744', open 4 hrs,
 GTS in 23 mins, M,O&GCM To Surf. in 1 hr 15 mins,
 Flwd 90% salt Wtr & 10% oil,
 45 min ISIP 3070#, FP 1964-2837#,
 1 hr FSIP 3108#.
 1-27-64 Drlg. 9376' dolo. & ch.
 DST 8647-8768', open 2 hrs,
 Rec 1170' gas in DP + 180' HO&GCM,
 45 min ISIP 2369#, FP 64-64#,
 1 hr FSIP 2201#.
 DST 8913-62', open 3 hrs,
 GTS in 8 mins @ 255 MCFGPD, OTS in 1 hr 30 mins,
 -cont'd-

1-27-64 --cont'd--

Flowd 13.5 BO 1st hr, 13.4 BO last 30 mins,
thru 1/2" chk., SFP 85#, rev out 11.5 BO
+ 120' HO&GCM,
45 min ISIP 3041#, FP 256-1067#,
1 hr FSIP 2432#.
DST 8978-9035', open 2 hrs,
GTS in 40 mins, rec 90' SO&GCM + 146'
HO&GCM, 45 min ISIP 2222#, FP 85-106#,
1 hr FSIP 2642#.

1-31-64 Drlg. 10108' dolo. & sh.
2-10-64 Drlg. 10749' dolo. & sh.
2-17-64 TD 10981', prep to whipstock.
PB to 10812'.
2-24-64 PB 10981', drlg. by @ 10406'.

Set whipstock @ 10812'.
DO to 10841' & PB to 10318'.
3-2-64 TD 10981', prep to drill off whipstock.
Set Whipstock @ 10498' & DO to 10654'.
PB w/amt to 10150', DO to 10860' & Set
Whipstock.
3-9-64 Drlg. 11185' lm., ch. & sh.
3-16-64 Drlg. 11652' lm. & sh.
3-23-64 TD 11850', pulling test tool. DST 11840-850', tool
EST 11840-850', tool plugged. plugged.
DST 11840-850', open 2 hrs 15 mins,
GTS in 58 mins, @ TSTM,
Rec 928' oil, no wtr,
no ISIP Taken, FP 582-627#,
1 hr 30 min FSIP 4495#.
3-30-64 TD 11850', PED 11848', swbg.
Perf 11840-848' W/i SPF

3-30-64 -cont.-

Ac. 1000 gals. (11840-848')
Swbd 46 BLO + 24 BAW & 25 BFW, w/tr. oil
in 5 hrs.

4-6-64 TD 11850', PED 11409', SI for Storage.
Swbd 49 BW, w/tr. oil in 4 hrs (11840-848')
Set EP @ 11750'.
Perf 11419-506' W/1 SPF
Ac. 2000 gals.,
Swbd dry.
Set EP @ 11409'.
Perf @ 9053', 9058', 9064', 9068', 9074',
& 9080' W/1 SPI,
Ac. 2500 gals. (9053-9080')
S & F 322 EO in 15 hrs thru 24/64" chk., TP 100#.

4-13-64 TD 11850', PED 11409', COMPLETED.
SAMPLE TOPS: Bone Spring 6350', Bone Spring
Reef 8917', Wolfcamp 9660', Mississippian
lime 10950', Woodford 11640', Devonian 11838'.
LOG TOPS: Strawn 10635', Mississippian 10954',
Woodford 11640', Devonian 11838'.