

WRS COMPLETION REPORT

COMPLETIONS SEC 17 TWP 18S RGE 35E
PI# 30-T-0009 02/09/90 30-025-20293-0003 PAGE 1

NMEX LEA * 660FNL 1980FEL SEC NW NE
STATE COUNTY FOOTAGE SPOT

PENROC OIL D X DO
OPERATOR WELL CLASS INIT

6 LEA "403" STATE
WELL NO. LEASE NAME

3943GR MID-VACUUM
OPER ELEV FIELD POOL AREA
API 30-025-20293-0003

12/11/1989 01/24/1990 WO-UNIT VERT OIL-WO
SPUD DATE COMP DATE TYPE TOOL HOE TYPE STATUS

11760 DEVONIAN NOT RPTD

PROJ DEPTH PROJ FORM CONTRACTOR OTD 11778 FM/TD DEVONIAN
DTD 11778

DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

4 MI SE BUCKEYE, NM

INITIAL POTENTIAL

IPP 347BOPD 40 MCFD 54BW 24HRS
DEVONIAN PERF W/ 2/FT 11642-11672
PERF 11642-11672
ACID 11642-11672 2100GALS
20% MCA
GTY 53.2 GOR 153
POT BASED ON 18 HR TEST, PPD 260 BO + 40 MCFG +
40 BW.

DRILLING PROGRESS DETAILS

PENROC OIL
BOX 5970
HOBBS, NM 88241
505-397-3596

OWWO: OLD INFO: FORMERLY ARCO O&G.
6 LEA "403" STATE. ELEV 3943 GR. SPUD
7/24/81. 13 3/8 @ 402 W/450 SX,
9 5/8 @ 4000 W/1850 SX, 7 5/8 LNR
3849-10425 W/1060 SX, 5 1/2 LNR 10318-11776
W/250 SX. OTD 11778. COMP 8/3/81. D&A.

10/25 LOC/1989/
02/06 DOC TO 11776
DO TO 11725
02/06 11778 TD

CONTINUED IC# 300257031989

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Petroleum Information

DB a company of
The Dun & Bradstreet Corporation

PI-WRS-GLT
Form No 187

COMPLETIONS
PI# 30-T-0009 02/09/90 SEC 17 TWP 18S RGE 35E
30-025-20293-0003 PAGE 2

PENROC OIL
6

LEA "403" STATE

D X DO

DRILLING PROGRESS DETAILS

COMP 1/24/90, IPP 347 BO, 40 MCFG, 54
BWP, GOR 153, GTY 53.2
PROD ZONE - DEVONIAN 11642-11672

COUNTY LEA FIELD Undesignated STATE NM
 OPR ARCO OIL & GAS CO. API MN 20293
 NO 6 LEASE Lea "403" State MAP
Sec 17, T18S, R35E COORD
660 FNL, 1980 FEL of Sec 1-5-12 NM
4 mi SE/Buckeye Re SPD 7-24-81 Re MP 8-3-81

	WELL CLASS: INIT DX FIN D LSE CODE			
	FORMATION	DATUM	FORMATION	DATUM
13 3/8-402-450 sx				
2 1/8-4000-1850 sx				
5/8-1nr-3849-10,425-1060	SX			
5-1nr-10,318-11,776-250 sx				
	TD 11,778 (DVNN)		PBD	

RY & ABANDONED

OPRSTLY 3943 CL, 3953 DF sub-s

F.R.C. 1-30-82 OWWO
 PD 10,140 WO (Bone Spring)
 (Orig. Sinclair Oil & Gas Co., #6 State-Lea
 "403", cmp 12-2-63 thru (Devonian) Perfs 11,642-
 745, OTD 11,778, OPB 11,771; OWWO & D&A 3-6-81
 by Arco Oil & Gas Co. as #6 Lea "403" State,
 OTD 11,778)
 1-25 82 TD 11,778; Dry & Abandoned
 Sqzd (9016-83) 150 sx
 Perf (Bone Spring) 7813-37 (overall)
 Acid (7813-37) 3000 gals
 Swbd 109 BW w/NS in 9 hrs (7813-37)
 1-30-82 COMPLETION ISSUED
 1-5-12 NM
 IC 30-025-70044-82

Petroleum Information.

COUNTY LEA FIELD Vacuum, S. STATE NM
 OPR ARCO OIL & GAS CO. API MN 20293
 NO 6 LEASE Lea "403" State MAP
 Sec 17, T18S, R35E CO-ORD
 660 FNL, 1980 FEL of Sec RE- 7-3-35 NM
 4 mi SE/Buckeye SPD 12-15-80 RE-3-9-81
 CSC
 13 3/8-402-450 sx
 9 5/8-4000-1850 sx
 7 5/8-lnr-3849-10,425-1060
 5-lnr-10,318-11,776-250 sx
 WELL CLASS: INIT DX FIN D LSE CODE
 FORMATION DATUM FORMATION DATUM
 SX
 ID 11,778 (DVNN) PBD
 DRY & ABANDONED

CONTR OPRSELEV 3943 GL, 3953 DF sub-s 10

7-13-81 P.R.C. 7-18-81 (OWWO)
 PD 10,000 WO (Bone Spring)
 (Orig. Sinclair Oil & Gas Co., #6 State-Lea
 "403", Comp. 12-2-63 thru (Devonian) Perfs
 11,642-745, OTD 11,778, OPB 11,771)
 ID 11,778; Dry & Abandoned
 Ret @ 11,497
 Sqzd (11,642-745) 250 sx
 SP @ 10,140
 Perf (Bone Spring) 9072-83
 swd w/SSO&G (9072-83)
 Perf (Bone Spring) 9016-26
 Acid (9016-26) 300 gals
 Acid (9072-83) 300 gals
 swd 2 AC @ 25 BW (9016-83)
 Acid (9016-83) 3000 gals
 Ppd 25 BW w/AS in 24 hrs (9016-83)

LEA
ARCO OIL & GAS CO.

Vacuum, S.
6 Lea "403" State
Sec 17, T18S, R35E

NM
Page #2

7-13-81 Continued
LOG TOPS: Yates 3139, Bone Spring 6488,
Wolfcamp 9686, Strawn 10,557, Atoka 10,700,
Chester 10,790
7-18-81 COMPLETION ISSUED

7-3-35 NM
IC 30-025-70348-81



"Symbol of Service"

REPORT of SUB-SURFACE DIRECTIONAL SURVEY

SINCLAIR OIL & GAS COMPANY
COMPANY

STATE LEA 403-WELL NO. 6

WELL NAME
VACUUM FIELD
LEA COUNTY, NEW MEXICO
LOCATION

JOB NUMBER

WT-107163

TYPE OF SURVEY

COMBINATION

DATE

SEPTEMBER 28, 1963

SURVEY BY
JACK B. JONES

OFFICE
ODESSA, TEXAS



RECORD OF SURVEY

CHECKED BY

JOB NO. WT-107163

DATE September 28, 1963

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES			
							NORTH	SOUTH	EAST	WEST
1	37 00	0° 45'			0 48	S 07 W		0 47		0 05
2	131 00	0° 45'			1 23	S 12 E		1 67	0 21	
3	225 00	0° 45'			1 23	S 12 E		2 87	0 47	
4	319 00	1° 15'			2 05	S 07 W		4 90	0 22	
5	410 00	2° 00'	409 91		3 18	S 20 W		7 89		0 87
6	503 00	2° 00'			3 25	S 23 W		10 88		2 14
7	598 00	1° 45'			2 90	S 18 W		13 64		3 04
8	691 00	1° 30'			2 43	S 16 W		15 98		3 71
9	784 00	1° 15'			2 03	S 13 W		17 96		4 17
10	878 00	1° 00'	877 75		1 64	S 15 W		19 54		4 59
11	972 00	0° 45'			1 23	S 31 W		20 59		5 22
12	1066 00	0° 45'			1 23	S 79 W		20 82		6 43
13	1160 00	1° 00'			1 64	WEST		20 82		8 07
14	1253 00	1° 30'			2 43	N 86 W		20 65		10 49
15	1347 00	1° 30'	1346 66		2 46	WEST		20 65		12 95
16	1440 00	1° 30'			2 43	S 79 W		21 11		15 34
17	1533 00	1° 30'			2 43	S 86 W		21 28		17 76
18	1626 00	1° 30'			2 43	S 86 W		21 45		20 18
19	1720 00	1° 30'			2 46	S 78 W		21 96		22 59
20	1812 00	1° 15'	1811 52		2 01	S 87 W		22 07		24 60
21	1906 00	1° 00'			1 64	N 84 W		21 90		26 73
22	1999 00	0° 30'			0 81	N 85 W		21 83		27 04
23	2091 00	0° 30'			0 80	S 85 W		21 90		27 84
24	2184 00	0° 30'			0 81	S 57 W		22 34		28 52
25	2277 00	0° 30'	2276 51		0 81	S 60 W		22 75		29 22



RECORD OF SURVEY

JOB NO. WT-107163 DATE September 28, 1963

CHECKED BY -

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES		
							NORTH	SOUTH	WEST
26	2370 00	0° 30'			0 81	S 55 W		23 21	29 88
27	2463 00	0° 15'			0 41	S 16 W		23 60	29 99
28	2555 00	0° 30'			0 80	S 74 E		23 82	29 22
29	2649 00	0° 45'			1 23	S 81 E		24 01	28 01
30	2743 00	0° 45'	2742 49		1 23	S 87 E		24 07	26 78
31	2837 00	1° 00'			1 64	N 86 E		23 96	25 14
32	2930 00	1° 15'			2 03	N 84 E		23 75	23 12
33	3023 00	1° 30'			2 43	N 81 E		23 37	20 72
34	3117 00	1° 30'			2 46	N 74 E		22 69	18 36
35	3211 00	1° 30'	3210 37		2 46	N 74 E		22 01	16 00
36	3303 00	1° 30'			2 41	N 72 E		21 27	13 71
37	3395 00	1° 15'			2 01	N 77 E		20 82	11 75
38	3488 00	1° 00'			1 62	N 81 E		20 57	10 15
39	3582 00	1° 00'			1 64	N 81 E		20 31	8 53
40	3674 00	1° 00'	3673 29		1 61	N 78 E		19 98	6 96
41	3766 00	0° 45'			1 20	N 70 E		19 57	5 83
42	3859 00	1° 00'			1 62	N 58 E		18 71	4 46
43	3952 00	0° 45'			1 22	N 42 E		17 80	3 64
44	4044 00	0° 45'			1 20	N 29 E		16 75	3 06
45	4138 00	0° 30'	4137 25		0 82	N 32 E		16 05	2 63
46	4232 00	0° 30'			0 82	N 17 E		15 27	2 39
47	4325 00	0° 30'			0 81	NORTH		14 46	2 39
48	4418 00	0° 30'			0 81	N 11 W		13 66	2 54
49	4510 00	0° 30'			0 80	N 22 W		12 92	2 84
50	4603 00	0° 30'	4602 25		0 81	N 36 W		12 26	3 32



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JOB NO. WT-107163 DATE September 28, 1963

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STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES		
							NORTH	SOUTH	EAST WEST
51	4697 00	0° 30'			0 82	N 75 W		12 05	4 11
52	4790 00	0° 30'			0 81	WEST		12 05	4 92
53	4883 00	0° 45'			1 22	S 66 W		12 55	6 03
54	4976 00	0° 45'			1 22	S 64 W		13 08	7 13
55	5069 00	0° 45'	5068 22		1 22	S 57 W		13 74	8 15
56	5162 00	0° 45'			1 22	S 50 W		14 52	9 08
57	5255 00	0° 45'			1 22	S 36 W		15 51	9 80
58	5349 00	0° 45'			1 23	S 16 W		16 69	10 14
59	5443 00	0° 45'			1 23	S 02 W		17 92	10 18
60	5536 00	1° 00'	5535 17		1 62	S 10 E		19 52	9 90
61	5631 00	0° 45'			1 24	S 25 E		20 64	9 38
62	5723 00	1° 00'			1 61	S 40 E		21 87	8 35
63	5817 00	1° 00'			1 64	S 48 E		22 97	7 13
64	5910 00	1° 15'			2 03	S 51 E		24 25	5 55
65	6004 00	1° 00'	6003 11		1 64	S 60 E		25 07	4 13
66	6097 00	1° 00'			1 62	S 54 E		26 02	2 82
67	6189 00	1° 00'			1 61	S 54 E		26 97	1 51
68	6282 00	0° 30'			0 81	S 51 E		27 48	0 88
69	6375 00	0° 30'			0 81	S 58 E		27 91	0 19
70	6469 00	0° 30'	6468 09		0 82	S 57 E		28 36	
71	6563 00	0° 15'			0 41	S 74 E		28 47	
72	6657 00	0° 00'			0 00	Vertical		28 47	
73	6751 00	0° 15'			0 41	N 57 W		28 25	
74	6843 00	0° 30'			0 80	N 66 W		27 92	0 18
75	6936 00	0° 30'	6935 09		0 81	N 75 W		27 71	0 96



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							NORTH	SOUTH	EAST	WEST
76	7030 00	0° 45'			1 23	WEST		27 71		2 19
77	7123 00	0° 45'			1 22	S 80 W		27 92		3 39
78	7216 00	1° 15'			2 03	S 73 W		28 51		5 33
79	7310 00	1° 30'			2 46	S 70 W		29 35		7 64
80	7404 00	1° 30'	7402 99		2 46	S 65 W		30 39		9 87
81	7497 00	1° 15'			2 03	S 84 W		30 60		11 89
82	7590 00	1° 00'			1 62	N 53 W		29 63		13 18
83	7684 00	1° 15'			2 05	N 11 W		27 62		13 57
84	7777 00	1° 30'			2 43	N 09 W		25 22		13 95
85	7871 00	1° 30'	7869 88		2 46	N 06 E		22 77		13 69
86	7964 00	1° 30'			2 43	N 17 E		20 45		12 98
87	8057 00	1° 30'			2 43	N 08 E		18 04		12 64
88	8151 00	1° 30'			2 46	N 20 W		15 73		13 48
89	8245 00	2° 15'			3 69	N 45 W		13 12		16 09
90	8337 00	2° 30'	8335 63		4 01	N 54 W		10 76		19 33
91	8430 00	2° 30'			4 06	N 51 W		8 21		22 49
92	8524 00	2° 30'			4 10	N 45 W		5 31		25 39
93	8616 00	2° 45'			4 41	N 50 W		2 48		28 77
94	8710 00	2° 45'			4 51	N 60 W		0 22		32 68
95	8803 00	2° 45'	8801 12		4 46	N 60 W	2 01			36 54
96	8897 00	2° 45'			4 51	N 56 W	4 53			40 28
97	8991 00	3° 00'			4 92	N 55 W	7 35			44 31
98	9084 00	3° 00'			4 87	N 54 W	10 21			48 25
99	9178 00	3° 00'			4 92	N 57 W	12 89			52 38
100	9272 00	2° 45'	9269 51		4 51	N 62 W	15 01			56 36



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JOB NO. WT-107163 DATE September 28, 1963

CHECKED BY

STATION	MEASURED DEPTH	DRIFT ANGLE	TRUE VERTICAL DEPTH	VERTICAL SECTION	COURSE DEVIATION	DRIFT DIRECTION	RECTANGULAR COORDINATES		
							NORTH	SOUTH	WEST
101	9365 00	2° 30'			4 06	N 66 W	16 66		60 07
102	9457 00	2° 15'			3 61	N 64 W	18 24		63 31
103	9550 00	1° 45'			2 84	N 51 W	20 03		65 52
104	9644 00	1° 45'			2 87	N 45 W	22 06		67 55
105	9738 00	1° 00'	9735 26		1 64	N 49 W	23 14		68 79
106	9831 00	1° 00'			1 62	N 45 W	24 29		69 94
107	9925 00	1° 30'			2 46	N 41 W	26 15		71 55
108	10018 00	1° 30'			2 43	N 51 W	27 68		73 44
109	10063 00	1° 15'	10060 18		0 98	N 74 W	27 95		74 38
CLOSURE 79.46' NORTH 69° 24' WEST									
The field data for this survey from readings thru 109 was obtained by JB JONES field engineer for Epstman Oil Well Survey Co., and is supported by signed field records. The computation and drafting of this report was done under my supervision and is true and correct to the best of my knowledge. JB JONES									

NORTH - 2795'
WEST - 7438'
DEPTH - 10,063'

