

~~New Mexico~~ State "AN" #11
LOCATION LEASE & WELL Unit 11. B Sec 7, 18S, 35E Lea County, New Mexico 30-025-34097
(Give Unit, Section, Township and Range)
OPERATOR Texaco E & P P. O. Box 46510 Denver, CO. 80201
DRILLING CONTRACTOR NABORS DRILLING USA, INC.

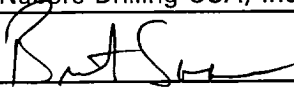
The Undersigned hereby certifies that he is an authorized representative of the drilling ~~205 E. BENDER BLVD.~~ TEXACO E & P INC.
drilled the above-described well and that he has conducted deviation tests and obtained the ~~HOBS NM 88240~~
following results:

DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH	DEGREES @ DEPTH
1/2 246	2 6136		
1 578	1 3/4 6272		
3/4 1151	2 3/4 6394		
3/4 1903	3 1/4 6519		
1 2404	3 1/4 6611		
1 1/4 2900	3 1/4 6704		
1/2 3393	2 3/4 6799		
1 3475	3 1/4 6892		
3/4 3885	3 7097		
3/4 4264	2 3/4 7194		
1/4 4677	3 1/2 7310		
1/4 5090	3 1/2 7470		
1/4 5474	3 7598		
1 1/2 5855	3 3/4 7724		
1 3/4 6013			

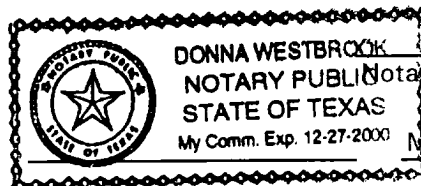
Drilling Contractor

Nabors Drilling USA, Inc.

By


Brent Sanders, Engineering Manager

Subscribed and sworn to before me this 10th day of October, 1997



My Commision Expires

MIDLAND

County

TEXAS

TEXACO STATE "AN" NO. 11

Denver Region Estimate: 975131

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SURVEY REPORT
Proprietary Information of Texaco Inc.

Lateral: 0		Proposed Direction: 61.77				Dog Leg Severity per: 0			feet
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool	
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
200	0.50	87.00	200.00	0.05	0.87	0.79	0.25	GYRO	
246	0.50	0.00	0.00	0.00	0.00	0.00	0.00		
578	1.00	0.00	0.00	0.00	0.00	0.00	0.00		
600	0.75	137.00	599.96	-1.59	6.05	4.58	0.29		
800	0.25	127.00	799.95	-2.81	7.29	5.09	0.25		
1000	0.50	117.00	999.95	-3.57	8.42	5.77	0.13		
1131	0.75	0.00	0.00	0.00	0.00	0.00	0.00		
1400	0.25	302.00	1399.94	-4.47	9.09	5.90	0.23		
1408	0.50	0.00	0.00	0.00	0.00	0.00	0.00		
1800	0.50	92.00	1799.94	-4.86	8.96	5.59	0.35		
1903	0.75	0.00	0.00	0.00	0.00	0.00	0.00		
2200	0.50	97.00	2199.93	-4.13	10.37	7.36	0.31		
2404	1.00	0.00	0.00	0.00	0.00	0.00	0.00		
2600	1.00	77.00	2599.88	-2.48	16.35	13.24	0.09		
2900	1.25	0.00	0.00	0.00	0.00	0.00	0.00		
3000	2.00	68.99	2999.00	2.44	26.48	25.36	0.12		
3393	0.50	0.00	0.00	0.00	0.00	0.00	0.00		
3600	0.75	57.00	3599.57	5.78	38.60	36.74	0.26		
3885	0.75	0.00	0.00	0.00	0.00	0.00	0.00		
4000	0.75	277.00	3999.56	6.65	38.40	36.98	0.38		
4264	0.75	0.00	0.00	0.00	0.00	0.00	0.00		
4600	1.00	284.00	4599.51	9.59	31.90	32.64	0.34		
4677	0.25	0.00	0.00	0.00	0.00	0.00	0.00		
5000	0.50	307.00	4999.46	12.64	26.72	29.52	0.25		
5090	0.25	0.00	0.00	0.00	0.00	0.00	0.00		
5474	0.25	0.00	0.00	0.00	0.00	0.00	0.00		
5600	1.00	292.00	5599.44	14.29	21.84	26.00	0.27		
5855	1.50	0.00	0.00	0.00	0.00	0.00	0.00		
6000	2.00	328.02	5999.32	21.09	15.40	23.54	0.40		
6013	1.75	0.00	0.00	0.00	0.00	0.00	0.00		
6136	2.00	0.00	0.00	0.00	0.00	0.00	0.00		
6272	1.75	0.00	0.00	0.00	0.00	0.00	0.00		
6394	2.75	0.00	0.00	0.00	0.00	0.00	0.00		
6519	3.25	0.00	0.00	0.00	0.00	0.00	0.00		
6600	3.25	332.04	6598.64	45.18	0.62	21.91	0.13		
6611	3.25	0.00	0.00	0.00	0.00	0.00	0.00		
6704	3.25	0.00	0.00	0.00	0.00	0.00	0.00		
6799	2.75	0.00	0.00	0.00	0.00	0.00	0.00		
6892	3.25	0.00	0.00	0.00	0.00	0.00	0.00		
6972	3.25	0.00	0.00	0.00	0.00	0.00	0.00		
7000	3.00	331.03	6998.02	64.78	-9.89	21.93	0.13		
7097	3.00	0.00	0.00	0.00	0.00	0.00	0.00		
7194	2.75	0.00	0.00	0.00	0.00	0.00	0.00		
7310	3.50	0.00	0.00	0.00	0.00	0.00	0.00		
7470	3.50	0.00	0.00	0.00	0.00	0.00	0.00		
7600	3.50	327.05	7597.15	53.94	-23.45	23.78	0.51		
7724	3.75	0.00	0.00	0.00	0.00	0.00	0.00		
7800	4.00	332.06	7796.72	105.23	-30.04	23.31	0.30		
7970	4.00	329.06	7966.31	115.55	-35.87	23.06	0.12		
8046	4.80	351.90	8042.10	121.00	-37.70	24.00	2.50	MWD	
8110	6.50	19.30	8105.80	127.00	-36.90	30.40	4.90		



8205	7.90	44.60	8200.00	137.10	-30.90	37.70	4.50
8332	7.90	59.30	8325.80	147.50	-16.70	55.10	0.80
8396	9.10	66.40	8389.10	151.80	-8.30	64.50	2.50
8523	11.60	72.70	8514.10	159.30	12.80	86.60	2.70
8649	12.50	72.70	8637.30	167.20	38.10	112.70	0.30
8776	14.60	69.90	8760.60	176.40	66.80	142.30	1.80
8840	16.20	69.90	8822.30	182.20	82.80	159.10	2.50
8900	16.90	69.20	0.00	0.00	0.00	0.00	0.00
8964	17.80	69.90	0.00	0.00	0.00	0.00	0.00
9027	17.80	71.30	0.00	0.00	0.00	0.00	0.00
9091	18.30	69.90	0.00	0.00	0.00	0.00	0.00
9154	18.10	71.30	0.00	0.00	0.00	0.00	0.00
9217	18.80	69.90	9181.40	221.00	190.90	272.70	1.30
9280	19.20	69.90	9241.00	228.00	210.20	293.00	0.60
9344	18.60	70.60	9301.50	235.10	229.70	313.50	1.00
9471	18.80	70.60	9422.00	248.40	267.50	353.20	1.10
9598	18.70	71.30	9542.00	261.70	306.40	393.70	0.50
9726	18.30	70.60	9663.00	274.40	344.50	433.30	0.80
9793	18.10	67.70	9727.00	281.90	364.00	454.00	1.30
9920	17.80	67.80	9848.00	296.70	400.30	493.00	0.30
9984	17.60	68.50	9909.00	303.90	418.40	512.40	0.50
10112	19.20	68.50	10030.00	319.00	457.00	553.00	0.30
10175	19.40	68.50	10089.70	326.00	476.00	574.00	0.30
10271	19.50	68.50	10180.00	338.50	506.00	606.00	0.10
10397	20.00	67.60	10298.80	354.40	545.60	648.30	0.50
10492	19.20	67.80	10388.30	366.50	575.00	680.00	0.80
10587	18.50	67.00	10478.20	378.30	603.40	710.50	0.80
10682	17.80	67.10	10568.50	389.80	630.60	740.00	0.70
10746	15.90	69.50	10629.70	396.70	647.90	758.40	3.20
10777	15.70	71.70	10659.50	399.50	655.80	766.80	2.00
10809	15.40	72.80	10690.40	402.10	664.00	775.20	1.30
10872	15.70	71.30	10752.00	407.10	680.40	792.00	0.50
10936	15.90	71.30	10812.70	412.30	696.70	808.90	0.70
10967	15.40	71.50	10842.50	415.00	704.70	817.10	1.60
10999	14.70	72.70	10873.40	417.50	712.60	825.30	2.40
11030	15.40	73.10	10903.00	419.90	720.30	833.20	2.30
11062	15.50	73.90	10934.20	422.30	728.40	841.50	0.70
11094	16.60	71.60	10964.90	424.90	736.90	850.20	4.00
11126	16.70	71.60	10995.60	427.80	745.60	859.30	0.30
11190	18.00	69.70	11056.70	434.20	763.60	878.10	2.00
11221	17.60	69.00	11086.20	437.50	772.50	887.50	1.50
11253	18.60	66.30	11116.60	441.30	781.60	897.40	4.10