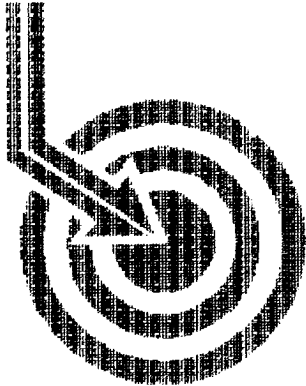




Scientific Drilling



TEXACO E & P INC.

Field: Blinebry

Site: Lea County, NM

Well: A.H. Blinebry Fed. NCT-3 #6

Wellpath: VH/HH - Job #32K0399071/072

Survey: 3/27/99-4/7/99

API #: 30-025-33666

Gyro Footage: 0'-5250'

MWD Footage: 5275'-7220'

Survey: Sec. 31, T22S, R38E

K.O.P.: 5250'

SUR: 1650/NΦ 990/W

E-31-22S-38E

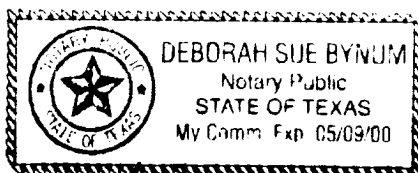
BHL: 336/NΦ 2053/W

C-31-22S-38E

This survey is correct to the best of my knowledge
and is supported by actual field data.

Deborah S. Bynum Company Representative

Notorized this date 25th of March, 2000.



Deborah S. Bynum
Midland Co, TX

CS

Scientific Drilling

SDI Survey Report Mobil

Company: Texaco E & P, Inc.
Field: Blinebry
Site: Lea County, New Mexico
Well: A. H. Blinbry NCT-3 #6
Wellpath: NE Horizontal

Date: 02/01/2000 **Time:** 15:26:34 **Page:** 1
Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Site (0.0E,0.0N,39.0Azi)
Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	VS ft	DLS d/100ft	TVD ft	N/S ft	E/W ft	ClsA deg	ClsD ft
0.0	0.00	0.00	0.0	0.00	0.0	0.0	0.0	0.00	0.0
100.0	0.27	267.50	-0.2	0.27	100.0	0.0	-0.2	267.50	0.2
200.0	0.26	234.98	-0.5	0.15	200.0	-0.2	-0.7	257.07	0.7
300.0	0.23	205.97	-0.9	0.13	300.0	-0.5	-0.9	243.62	1.0
400.0	0.18	232.23	-1.3	0.11	400.0	-0.7	-1.1	237.13	1.4
500.0	0.04	306.06	-1.4	0.17	500.0	-0.8	-1.3	237.85	1.5
600.0	0.12	223.23	-1.6	0.12	600.0	-0.9	-1.4	238.06	1.6
700.0	0.14	244.92	-1.8	0.05	700.0	-1.0	-1.6	237.68	1.9
800.0	0.27	127.72	-1.9	0.36	800.0	-1.2	-1.5	231.52	1.9
900.0	0.35	141.79	-1.9	0.11	900.0	-1.6	-1.1	215.52	1.9
1000.0	0.31	112.27	-1.9	0.17	1000.0	-1.9	-0.7	199.68	2.0
1100.0	0.28	152.53	-1.9	0.20	1100.0	-2.2	-0.3	188.23	2.3
1200.0	0.22	154.55	-2.1	0.06	1200.0	-2.6	-0.1	182.80	2.6
1300.0	0.18	175.04	-2.3	0.08	1300.0	-3.0	0.0	180.63	3.0
1400.0	0.27	185.33	-2.6	0.10	1400.0	-3.4	0.0	180.70	3.4
1500.0	0.17	195.43	-3.0	0.11	1500.0	-3.7	-0.1	181.57	3.7
1600.0	0.17	169.32	-3.2	0.08	1600.0	-4.0	-0.1	181.63	4.0
1700.0	0.31	115.40	-3.2	0.25	1700.0	-4.3	0.2	177.89	4.3
1800.0	0.43	109.42	-3.0	0.13	1800.0	-4.5	0.8	170.50	4.6
1900.0	0.62	71.92	-2.5	0.38	1900.0	-4.5	1.6	160.06	4.8
2000.0	0.58	76.74	-1.6	0.06	2000.0	-4.2	2.6	147.89	4.9
2100.0	0.80	78.90	-0.7	0.22	2100.0	-3.9	3.8	135.98	5.5
2200.0	0.67	69.91	0.4	0.17	2200.0	-3.6	5.0	125.57	6.2
2300.0	0.93	71.23	1.6	0.26	2299.9	-3.1	6.4	116.31	7.1
2400.0	0.92	61.64	3.0	0.15	2399.9	-2.5	7.8	107.71	8.2
2500.0	1.02	63.82	4.5	0.11	2499.9	-1.7	9.3	100.48	9.5
2600.0	0.92	46.52	6.1	0.31	2599.9	-0.8	10.7	94.18	10.8
2700.0	1.05	37.37	7.8	0.20	2699.9	0.5	11.9	87.60	11.9
2800.0	0.86	37.67	9.5	0.19	2799.9	1.8	12.9	81.96	13.0
2900.0	0.94	25.35	11.1	0.21	2899.9	3.2	13.7	77.02	14.0
3000.0	0.92	35.16	12.7	0.16	2999.9	4.6	14.5	72.57	15.2
3100.0	0.89	24.99	14.2	0.16	3099.8	5.9	15.3	68.86	16.4
3200.0	1.19	22.54	16.0	0.30	3199.8	7.6	16.0	64.68	17.7
3300.0	1.01	23.31	17.8	0.18	3299.8	9.3	16.8	60.86	19.2
3400.0	0.86	10.52	19.3	0.26	3399.8	10.9	17.2	57.73	20.4
3500.0	0.92	1.98	20.6	0.15	3499.8	12.4	17.4	54.47	21.4
3600.0	0.82	4.00	21.8	0.10	3599.8	13.9	17.5	51.43	22.4
3700.0	0.77	353.88	22.9	0.15	3699.8	15.3	17.5	48.73	23.2
3800.0	0.97	355.02	24.0	0.20	3799.7	16.8	17.3	45.81	24.2
3900.0	0.94	353.45	25.2	0.04	3899.7	18.5	17.2	42.84	25.2
4000.0	0.93	350.64	26.3	0.05	3999.7	20.1	16.9	40.09	26.3
4100.0	0.89	342.39	27.3	0.14	4099.7	21.7	16.6	37.41	27.3
4200.0	1.04	343.87	28.2	0.15	4199.7	23.3	16.1	34.64	28.3
4300.0	1.08	346.03	29.3	0.06	4299.7	25.1	15.6	31.90	29.5
4400.0	1.09	349.01	30.5	0.06	4399.7	26.9	15.2	29.45	30.9
4500.0	1.10	347.36	31.7	0.03	4499.6	28.8	14.8	27.22	32.4
4600.0	1.12	348.98	32.9	0.04	4599.6	30.7	14.4	25.15	33.9
4700.0	1.08	347.96	34.1	0.04	4699.6	32.5	14.0	23.30	35.4
4800.0	1.04	345.61	35.3	0.06	4799.6	34.4	13.6	21.59	36.9
4900.0	0.98	336.75	36.2	0.17	4899.6	36.0	13.0	19.89	38.3
5000.0	0.87	340.13	37.0	0.12	4999.6	37.5	12.4	18.34	39.5
5100.0	1.02	343.80	37.9	0.16	5099.5	39.1	11.9	16.97	40.9
5200.0	1.23	337.49	38.9	0.24	5199.5	40.9	11.3	15.40	42.5

Scientific Drilling

SDI Survey Report Mobil

Company: Texaco E & P, Inc.
Field: Blinebry
Site: Lea County, New Mexico
Well: A. H. Blinbry NCT-3 #6
Wellpath: NE Horizontal

Date: 02/01/2000 **Time:** 15:26:34 **Page:** 2
Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Site (0.0E,0.0N,39.0Azi)
Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	VS ft	DLS d/100ft	TVD ft	N/S ft	E/W ft	ClsA deg	ClsD ft
5250.0	1.21	341.53	39.4	0.18	5249.5	41.9	10.9	14.57	43.3
5275.0	4.20	12.70	40.4	12.90	5274.5	43.1	11.0	14.35	44.5
5280.0	5.80	12.70	40.8	32.00	5279.5	43.5	11.1	14.33	44.9
5285.0	7.60	12.00	41.3	36.04	5284.4	44.1	11.2	14.30	45.5
5300.0	12.80	11.30	43.7	34.68	5299.2	46.7	11.8	14.15	48.1
5310.0	16.20	10.80	45.9	34.02	5308.9	49.1	12.2	14.00	50.6
5320.0	19.20	10.40	48.6	30.02	5318.4	52.1	12.8	13.80	53.7
5330.0	22.40	10.40	51.7	32.00	5327.7	55.6	13.4	13.59	57.2
5340.0	25.30	10.20	55.2	29.01	5336.9	59.6	14.2	13.38	61.2
5350.0	28.30	10.10	59.2	30.00	5345.8	64.0	15.0	13.15	65.7
5360.0	31.50	9.00	63.5	32.47	5354.5	68.9	15.8	12.90	70.7
5370.0	34.30	10.40	68.3	29.01	5362.9	74.3	16.7	12.67	76.1
5380.0	37.30	10.40	73.4	30.00	5371.0	80.0	17.8	12.51	82.0
5400.0	43.30	13.90	84.9	32.05	5386.2	92.7	20.5	12.48	94.9
5420.0	49.80	15.90	98.2	33.30	5400.0	106.7	24.2	12.80	109.4
5440.0	55.80	16.90	112.9	30.26	5412.1	122.0	28.7	13.26	125.3
5460.0	62.30	16.20	128.7	32.64	5422.3	138.4	33.6	13.66	142.4
5470.0	65.30	16.00	137.0	30.05	5426.8	147.0	36.1	13.80	151.4
5490.0	71.60	15.70	154.1	31.53	5434.1	164.9	41.2	14.03	170.0
5511.0	78.50	15.50	172.7	32.87	5439.5	184.4	46.6	14.19	190.2
5522.0	80.60	15.70	182.6	19.17	5441.5	194.9	49.6	14.27	201.1
5555.0	85.30	15.70	212.7	14.24	5445.6	226.4	58.4	14.47	233.8
5585.0	86.60	16.00	240.2	4.45	5447.7	255.2	66.6	14.63	263.7
5617.0	87.30	14.80	269.5	4.34	5449.4	286.0	75.1	14.71	295.7
5649.0	87.40	14.30	298.6	1.59	5450.9	316.9	83.1	14.69	327.6
5681.0	85.20	14.30	327.6	6.87	5452.9	347.8	91.0	14.66	359.6
5711.0	85.30	14.10	354.8	0.74	5455.4	376.8	98.3	14.62	389.4
5743.0	85.30	14.10	383.7	0.00	5458.0	407.8	106.1	14.58	421.3
5774.0	85.20	12.90	411.6	3.87	5460.6	437.8	113.3	14.51	452.2
5806.0	85.00	12.90	440.2	0.62	5463.3	468.9	120.4	14.40	484.1
5839.0	85.00	12.90	469.8	0.00	5466.2	500.9	127.8	14.31	517.0
5870.0	85.00	12.50	497.5	1.29	5468.9	531.1	134.6	14.22	547.8
5902.0	84.60	12.90	526.0	1.76	5471.8	562.1	141.6	14.13	579.7
5934.0	84.60	14.40	554.8	4.67	5474.8	593.1	149.1	14.11	611.5
5965.0	80.80	15.30	582.9	12.59	5478.8	622.8	157.0	14.14	642.3
5997.0	78.70	16.70	611.9	7.85	5484.5	653.1	165.6	14.23	673.8
6029.0	78.70	17.10	640.9	1.23	5490.7	683.1	174.8	14.35	705.1
6059.0	77.10	17.40	668.2	5.42	5497.0	711.1	183.5	14.47	734.4
6091.0	77.20	17.40	697.2	0.31	5504.1	740.9	192.8	14.59	765.6
6122.0	77.40	17.30	725.3	0.72	5510.9	769.8	201.8	14.69	795.8
6154.0	77.80	19.40	754.6	6.53	5517.8	799.4	211.6	14.83	827.0
6186.0	79.20	21.60	784.3	8.03	5524.2	828.8	222.6	15.04	858.2
6218.0	80.10	24.60	814.6	9.64	5530.0	857.7	235.0	15.32	889.3
6250.0	81.30	28.00	845.4	11.14	5535.1	886.0	249.0	15.69	920.4
6281.0	82.30	30.40	875.6	8.31	5539.5	912.8	263.9	16.13	950.2
6313.0	83.80	33.10	907.1	9.60	5543.4	939.8	280.6	16.63	980.8
6344.0	84.30	35.00	937.8	6.31	5546.6	965.4	297.9	17.15	1010.3
6376.0	85.90	37.10	969.7	8.23	5549.4	991.2	316.7	17.72	1040.5
6407.0	88.20	39.40	1000.6	10.49	5551.0	1015.5	335.8	18.30	1069.6
6439.0	87.60	41.70	1032.6	7.42	5552.1	1039.8	356.6	18.93	1099.2
6461.0	87.10	42.60	1054.5	4.68	5553.2	1056.0	371.4	19.37	1119.4
6493.0	89.00	44.70	1086.4	8.85	5554.2	1079.2	393.4	20.03	1148.7

Scientific Drilling

SDI Survey Report Mobil

Company: Texaco E & P, Inc.
Field: Blinbry
Site: Lea County, New Mexico
Well: A. H. Blinbry NCT-3 #6
Wellpath: NE Horizontal

Date: 02/01/2000 **Time:** 15:26:34 **Page:** 3
Co-ordinate(NE) Reference: Site: Lea County, New Mexico, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Site (0.0E,0.0N,39.0Azi)
Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	VS ft	DLS d/100ft	TVD ft	N/S ft	E/W ft	ClsA deg	ClsD ft
6524.0	91.60	47.10	1117.2	11.41	5554.1	1100.8	415.7	20.69	1176.6
6556.0	92.60	49.80	1148.7	8.99	5552.9	1122.0	439.6	21.40	1205.0
6587.0	91.80	52.40	1179.0	8.77	5551.7	1141.4	463.7	22.11	1232.0
6620.0	91.80	55.80	1210.8	10.30	5550.7	1160.8	490.5	22.91	1260.1
6651.0	92.60	58.90	1240.2	10.32	5549.5	1177.5	516.5	23.69	1285.8
6683.0	93.30	62.40	1269.9	11.14	5547.8	1193.1	544.4	24.53	1311.4
6714.0	93.80	65.20	1298.0	9.16	5545.9	1206.8	572.1	25.37	1335.5
6746.0	93.80	67.70	1326.3	7.80	5543.8	1219.5	601.4	26.25	1359.8
6778.0	94.30	69.80	1354.0	6.73	5541.5	1231.1	631.2	27.14	1383.5
6808.0	94.80	71.80	1379.5	6.85	5539.2	1240.9	659.4	27.98	1405.3
6840.0	94.30	73.70	1406.0	6.12	5536.6	1250.4	689.9	28.89	1428.1
6872.0	93.80	74.90	1432.0	4.05	5534.4	1259.0	720.6	29.78	1450.7
6904.0	94.00	75.80	1457.7	2.87	5532.2	1267.1	751.5	30.67	1473.2
6935.0	94.30	77.00	1482.3	3.98	5529.9	1274.4	781.5	31.52	1494.9
6971.0	93.30	79.30	1510.1	6.95	5527.6	1281.8	816.7	32.50	1519.8
7003.0	90.80	79.80	1534.4	7.97	5526.4	1287.6	848.1	33.37	1541.8
7034.0	88.70	80.70	1557.7	7.37	5526.5	1292.8	878.7	34.20	1563.1
7066.0	88.00	81.10	1581.5	2.52	5527.5	1297.9	910.3	35.04	1585.3
7098.0	87.60	82.10	1605.0	3.36	5528.7	1302.5	941.9	35.87	1607.4
7129.0	87.60	83.30	1627.4	3.87	5530.0	1306.5	972.6	36.67	1628.8
7161.0	87.30	84.90	1650.0	5.08	5531.4	1309.8	1004.4	37.48	1650.6
7179.0	87.60	86.20	1662.3	7.41	5532.2	1311.2	1022.3	37.94	1662.6
7220.0	87.60	86.20	1690.2	0.00	5533.9	1313.9	1063.2	38.98	1690.2



**Scientific
Drilling**

TEXACO E & P INC

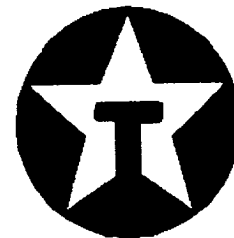
Field: Blinebry

Site: Lea County, NM

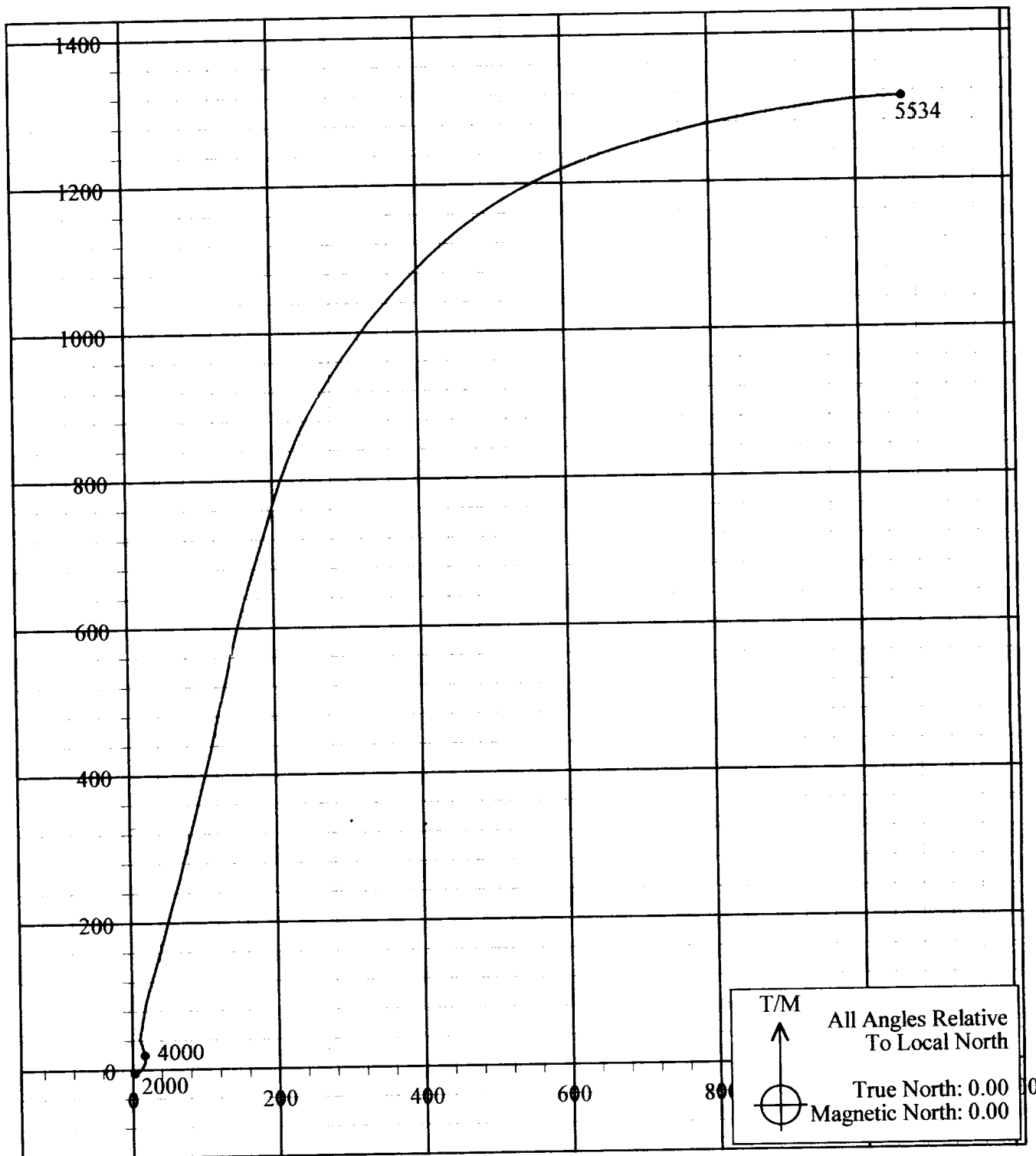
Well: A.H. Blinebry Fed. NCT-3 #6

Wellpath: VH/HH - Job #32K0399071/072

Survey: 3/27/99-4/7/99



South(-)/North(+) [200ft/in]



West(-)/East(+) [200ft/in]