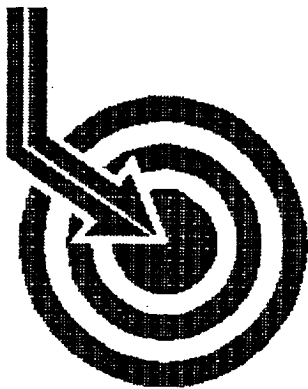




Scientific Drilling



TEXACO E & P INC.

Field: Blinebry

Site: Lea County, NM

Well: AH Blinebry Fed. NCT-1 #46

Wellpath: HH - Job #32D1000431

Survey: 10/24/00-11/3/00

30-D25-32674

SUR: A-29-22s-38e
330N & 330E

BAL: D-20-22s-38e

77 1/2 S & 135 1/2 E

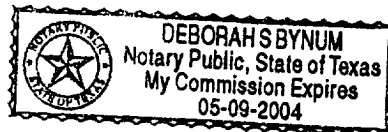
This survey is correct to the best of my knowledge
and is supported by actual field data.

Scott Noody.....Company Representative

Notorized this date 22nd of November, 2000.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas



SCIENTIFIC DRILLING SURVEY REPORT

Company: TEXACO E & P INC.
Field: Blinbery
Site: Lea County, NM
Well: AH Blinbery Fed. NCT-1 #4
Wellpath: VH - Job #32K1000432

Date: 11/22/2000 Time: 09:50:11 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Slot (0.0E, 0.0N, 318.7Azi)
Survey Calculation Method: Minimum Curvature

Survey: 10/24/00
KSRG 0'-7344'

Start Date: 10/25/2000

Company: SDI
Tool: KEEPER

Engineer: Kyle Shoup

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS d/100ft	ClsA deg	ClsD ft
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.0
100.0	0.40	188.96	100.0	-0.3	-0.1	-0.2	0.40	188.96	0.3
200.0	0.47	188.35	200.0	-1.1	-0.2	-0.7	0.07	188.73	1.1
300.0	0.39	194.96	300.0	-1.8	-0.3	-1.2	0.09	189.79	1.9
400.0	0.47	193.66	400.0	-2.6	-0.5	-1.6	0.08	191.07	2.6
500.0	0.43	188.57	500.0	-3.3	-0.7	-2.1	0.06	191.11	3.4
600.0	0.46	196.78	600.0	-4.1	-0.8	-2.5	0.07	191.43	4.2
700.0	0.52	221.14	700.0	-4.8	-1.2	-2.8	0.21	194.45	5.0
800.0	0.64	211.40	800.0	-5.6	-1.8	-3.0	0.15	198.01	5.9
900.0	0.65	219.02	900.0	-6.5	-2.5	-3.3	0.09	200.73	7.0
1000.0	0.67	223.45	1000.0	-7.4	-3.2	-3.4	0.05	203.59	8.1
1100.0	0.68	228.05	1100.0	-8.2	-4.1	-3.5	0.06	206.37	9.2
1200.0	0.64	221.87	1199.9	-9.0	-4.9	-3.6	0.08	208.42	10.3
1300.0	0.73	222.95	1299.9	-9.9	-5.7	-3.7	0.09	209.87	11.4
1400.0	0.71	222.01	1399.9	-10.9	-6.5	-3.8	0.02	211.11	12.7
1500.0	0.65	235.78	1499.9	-11.6	-7.4	-3.8	0.17	212.58	13.8
1600.0	0.78	228.57	1599.9	-12.4	-8.4	-3.8	0.16	214.15	15.0
1700.0	0.62	245.99	1699.9	-13.1	-9.4	-3.6	0.26	215.77	16.1
1800.0	0.58	248.37	1799.9	-13.5	-10.4	-3.3	0.05	217.61	17.0
1900.0	0.38	271.12	1899.9	-13.7	-11.2	-2.9	0.27	219.31	17.7
2000.0	0.34	306.55	1999.9	-13.5	-11.8	-2.4	0.22	221.10	17.9
2100.0	0.44	75.34	2099.9	-13.2	-11.6	-2.2	0.70	221.36	17.6
2200.0	0.50	68.94	2199.9	-12.9	-10.8	-2.6	0.08	219.94	16.9
2300.0	0.61	78.92	2299.9	-12.7	-9.9	-3.0	0.15	218.00	16.1
2400.0	0.61	74.69	2399.9	-12.4	-8.9	-3.5	0.05	215.50	15.3
2500.0	0.69	67.45	2499.9	-12.1	-7.8	-3.9	0.11	212.89	14.4
2600.0	0.65	74.90	2599.9	-11.7	-6.7	-4.4	0.10	209.82	13.5
2700.0	0.20	101.25	2699.9	-11.6	-6.0	-4.7	0.48	207.33	13.0
2800.0	0.70	230.96	2799.9	-12.0	-6.3	-4.9	0.84	207.65	13.5
2900.0	1.21	233.80	2899.9	-13.0	-7.6	-4.7	0.51	210.34	15.1
3000.0	1.55	239.61	2999.8	-14.3	-9.6	-4.4	0.37	213.94	17.3
3100.0	1.72	236.83	3099.8	-15.8	-12.1	-3.9	0.19	217.31	19.9
3200.0	1.95	235.03	3199.7	-17.6	-14.7	-3.5	0.24	219.85	22.9
3300.0	2.16	239.22	3299.7	-19.6	-17.7	-3.0	0.26	222.18	26.4
3400.0	2.42	239.33	3399.6	-21.6	-21.2	-2.2	0.26	224.40	30.2
3500.0	2.89	239.25	3499.5	-24.0	-25.1	-1.4	0.47	226.37	34.7
3600.0	3.09	240.78	3599.3	-26.6	-29.7	-0.4	0.22	228.14	39.8
3700.0	3.09	242.55	3699.2	-29.1	-34.4	0.9	0.10	229.74	45.1
3800.0	2.94	245.88	3799.1	-31.4	-39.1	2.3	0.23	231.24	50.2
3900.0	2.94	247.68	3898.9	-33.4	-43.8	3.9	0.09	232.67	55.1
4000.0	2.83	251.06	3998.8	-35.2	-48.6	5.6	0.20	234.05	60.0
4100.0	2.60	247.66	4098.7	-36.9	-53.0	7.3	0.28	235.16	64.6
4200.0	2.32	251.15	4198.6	-38.4	-57.0	8.8	0.32	236.04	68.7
4300.0	2.36	252.77	4298.5	-39.7	-60.9	10.4	0.08	236.92	72.7
4400.0	2.10	239.44	4398.4	-41.2	-64.4	11.6	0.58	237.40	76.5
4500.0	2.19	252.58	4498.4	-42.7	-67.8	12.7	0.50	237.81	80.1
4600.0	2.16	252.20	4598.3	-43.9	-71.4	14.3	0.03	238.46	83.8
4700.0	2.24	253.38	4698.2	-45.0	-75.1	15.8	0.09	239.08	87.6

SCIENTIFIC DRILLING SURVEY REPORT

Company: TEXACO E & P INC.
Field: Blinebry
Site: Lea County, NM
Well: AH Blinebry Fed. NCT-1 #4
Wellpath: VH - Job #32K1000432

Date: 11/22/2000 Time: 09:50:11 Page: 2
Co-ordinate(NE) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Slot (0.0E,0.0N,318.7Azi)
Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS d/100ft	ClsA deg	ClsD ft
4800.0	2.20	252.09	4798.1	-46.1	-78.8	17.4	0.06	239.65	91.3
4900.0	2.20	252.53	4898.1	-47.3	-82.5	19.0	0.02	240.16	95.1
5000.0	2.23	252.15	4998.0	-48.5	-86.1	20.5	0.03	240.63	98.9
5100.0	2.00	250.58	5097.9	-49.7	-89.6	21.9	0.24	241.02	102.5
5200.0	1.94	245.73	5197.9	-50.9	-92.8	23.1	0.18	241.25	105.9
5300.0	1.84	245.64	5297.8	-52.3	-95.8	24.0	0.10	241.39	109.2
5400.0	1.92	240.54	5397.8	-53.8	-98.8	24.9	0.19	241.43	112.5
5500.0	1.82	243.95	5497.7	-55.3	-101.6	25.6	0.15	241.46	115.7
5600.0	2.02	243.64	5597.7	-56.8	-104.7	26.5	0.20	241.52	119.1
5700.0	2.44	244.91	5697.6	-58.5	-108.2	27.6	0.42	241.61	122.9
5800.0	2.57	245.09	5797.5	-60.3	-112.1	28.8	0.13	241.73	127.3
5900.0	2.61	243.68	5897.4	-62.3	-116.2	30.0	0.08	241.82	131.8
6000.0	2.63	243.25	5997.3	-64.3	-120.3	31.2	0.03	241.87	136.4
6100.0	2.67	244.47	6097.2	-66.3	-124.4	32.4	0.07	241.94	141.0
6200.0	2.53	237.22	6197.1	-68.5	-128.4	33.4	0.36	241.91	145.5
6300.0	2.53	236.15	6297.0	-71.0	-132.1	34.0	0.05	241.75	149.9
6400.0	2.65	228.72	6396.9	-73.7	-135.7	34.3	0.36	241.48	154.4
6500.0	2.49	231.69	6496.8	-76.6	-139.1	34.4	0.21	241.16	158.8
6600.0	2.48	226.99	6596.7	-79.4	-142.4	34.4	0.20	240.85	163.0
6700.0	2.31	230.02	6696.6	-82.2	-145.5	34.4	0.21	240.54	167.1
6800.0	2.38	231.01	6796.5	-84.8	-148.7	34.5	0.08	240.30	171.1
6900.0	2.23	235.04	6896.4	-87.2	-151.9	34.8	0.22	240.14	175.1
7000.0	1.74	230.03	6996.4	-89.3	-154.6	35.1	0.52	240.00	178.6
7100.0	1.65	239.97	7096.3	-91.0	-157.0	35.4	0.31	239.91	181.5
7200.0	1.55	228.66	7196.3	-92.6	-159.3	35.7	0.33	239.83	184.3
7300.0	1.79	228.66	7296.2	-94.5	-161.5	35.7	0.24	239.66	187.1
7344.0	1.73	227.41	7340.2	-95.4	-162.5	35.7	0.16	239.58	188.4

SCIENTIFIC DRILLING SURVEY REPORT

Company: TEXACO E & P INC.
Field: Blinbry
Site: Lea County, NM
Well: AH Blinbry Fed. NCT-1 #4
Wellpath: HH - Job #32D1000431

Date: 11/22/2000 Time: 09:56:33 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level
Section (VS) Reference: Slot (0.0E,0.0N,318.7Azi)
Survey Calculation Method: Minimum Curvature

Survey: 10/24/00-11/3/00
MWD 7273'-8990'

Start Date: 11/22/2000

Company: SDI w/ Ryan
Tool: MWD

Engineer: L. Coetzee

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS d/100ft	ClsA deg	ClsD ft
7273.0	1.73	228.66	7269.2	-94.0	-160.9	35.7	0.00	239.71	186.3
7305.0	13.40	324.40	7300.9	-91.3	-163.4	39.4	42.75	240.81	187.2
7325.0	21.60	327.50	7320.0	-86.3	-166.8	45.4	41.25	242.64	187.8
7353.0	33.80	327.50	7344.7	-75.3	-173.7	58.2	43.57	246.56	189.4
7388.0	48.10	327.10	7371.1	-56.1	-186.1	80.8	40.86	253.23	194.4
7415.0	58.70	327.80	7387.2	-37.8	-197.8	102.2	39.31	259.17	201.3
7451.0	71.40	329.20	7402.3	-10.1	-214.8	134.3	35.45	267.32	215.0
7482.0	75.40	327.50	7411.2	15.2	-230.3	163.6	13.93	273.78	230.8
7513.0	76.20	324.30	7418.8	40.1	-247.2	193.4	10.33	279.22	250.4
7546.0	76.90	324.30	7426.4	66.2	-265.9	225.3	2.12	283.97	274.0
7577.0	77.70	324.70	7433.3	90.8	-283.5	255.4	2.87	287.76	297.7
7608.0	77.60	324.70	7439.9	115.5	-301.0	285.5	0.32	290.99	322.4
7640.0	75.80	321.90	7447.3	140.5	-319.6	316.6	10.21	293.73	349.1
7672.0	75.90	322.20	7455.1	164.9	-338.7	347.5	0.96	295.97	376.7
7705.0	74.50	324.00	7463.5	190.4	-357.8	379.3	6.77	298.02	405.4
7736.0	74.90	324.00	7471.7	214.6	-375.4	409.1	1.29	299.76	432.4
7767.0	75.40	323.30	7479.6	238.8	-393.2	439.0	2.71	301.27	460.0
7799.0	76.10	322.90	7487.5	263.6	-411.8	469.9	2.50	302.62	488.9
7830.0	76.20	323.30	7494.9	287.6	-429.9	499.9	1.29	303.79	517.2
7862.0	75.50	324.70	7502.8	312.7	-448.1	530.8	4.77	304.91	546.4
7893.0	75.80	324.00	7510.4	337.2	-465.6	560.7	2.39	305.91	574.8
7925.0	75.90	323.30	7518.3	362.1	-484.0	591.6	2.14	306.81	604.5
7956.0	76.00	323.60	7525.8	386.3	-501.9	621.6	0.99	307.58	633.3
7987.0	74.60	325.00	7533.7	410.6	-519.4	651.4	6.28	308.33	662.1
8019.0	74.80	325.40	7542.1	436.0	-537.0	682.1	1.36	309.07	691.7
8051.0	74.80	325.40	7550.5	461.4	-554.5	712.7	0.00	309.76	721.4
8082.0	75.40	325.40	7558.5	486.1	-571.6	742.5	1.94	310.38	750.3
8114.0	76.00	324.30	7566.4	511.4	-589.4	773.3	3.82	310.95	780.4
8145.0	76.80	324.30	7573.6	535.9	-607.0	803.3	2.58	311.44	809.7
8177.0	76.90	325.40	7580.9	561.4	-624.9	834.3	3.36	311.93	840.0
8209.0	75.70	325.00	7588.5	586.9	-642.7	865.2	3.94	312.40	870.3
8240.0	75.90	324.30	7596.1	611.4	-660.1	895.0	2.28	312.81	899.7
8272.0	76.10	324.30	7603.9	636.6	-678.2	925.9	0.62	313.19	930.2
8304.0	76.20	325.00	7611.5	662.0	-696.2	956.8	2.15	313.56	960.6
8335.0	76.70	325.40	7618.8	686.7	-713.4	986.8	2.04	313.91	990.2
8367.0	75.70	325.40	7626.4	712.3	-731.0	1017.6	3.12	314.26	1020.7
8425.0	74.40	324.00	7641.4	758.0	-763.4	1073.4	3.23	314.80	1075.8
8525.0	75.80	325.00	7667.1	836.7	-819.5	1169.5	1.70	315.60	1171.2
8556.0	76.00	325.40	7674.6	861.4	-836.7	1199.4	1.41	315.83	1200.8
8587.0	73.30	324.00	7682.8	885.8	-853.9	1229.1	9.74	316.05	1230.4
8619.0	70.30	323.60	7692.8	910.3	-871.9	1259.4	9.45	316.24	1260.5
8650.0	69.60	323.30	7703.5	933.7	-889.2	1288.4	2.43	316.40	1289.4
8682.0	65.90	323.60	7715.6	957.5	-906.9	1317.9	11.59	316.56	1318.8
8713.0	66.00	322.90	7728.2	980.2	-923.8	1346.1	2.09	316.70	1346.9
8746.0	65.30	323.60	7741.8	1004.3	-941.8	1376.1	2.87	316.84	1376.8
8778.0	64.00	322.60	7755.5	1027.4	-959.1	1404.9	4.95	316.97	1405.5
8809.0	64.20	321.90	7769.1	1049.4	-976.2	1432.7	2.13	317.07	1433.3
8840.0	63.90	321.90	7782.6	1071.4	-993.4	1460.6	0.97	317.16	1461.1

SCIENTIFIC DRILLING SURVEY REPORT

Company: TEXACO E & P INC.	Date: 11/22/2000	Time: 09:56:33	Page: 2
Field: Blinebry	Co-ordinate(NE) Reference:	Site: Lea County, NM, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0 above Mean Sea Level	
Well: AH Blinebry Fed. NCT-1 #4	Section (VS) Reference:	Slot (0.0E, 0.0N, 318.7Azi)	
Wellpath: HH - Job #32D1000431	Survey Calculation Method:	Minimum Curvature	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS d/100ft	ClsA deg	ClsD ft
8890.0	63.90	321.90	7804.6	1106.7	-1021.1	1505.4	0.00	317.30	1505.8

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1999

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copy

Fee Lease - 3 Copy

AMENDED REPORT

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30 025 32674	2 Pool Code 62730	3 Pool Name WANTZ, GRANITE WASH
4 Property Code 10899	5 Property Name BLINEBRY, A.H. FEDERAL NCT-1	6 Well No. 46
7 OGRID Number 022351	8 Operator Name TEXACO EXPLORATION & PRODUCTION INC.	9 Elevation GR-3380', GL-3369'

10 Surface Location

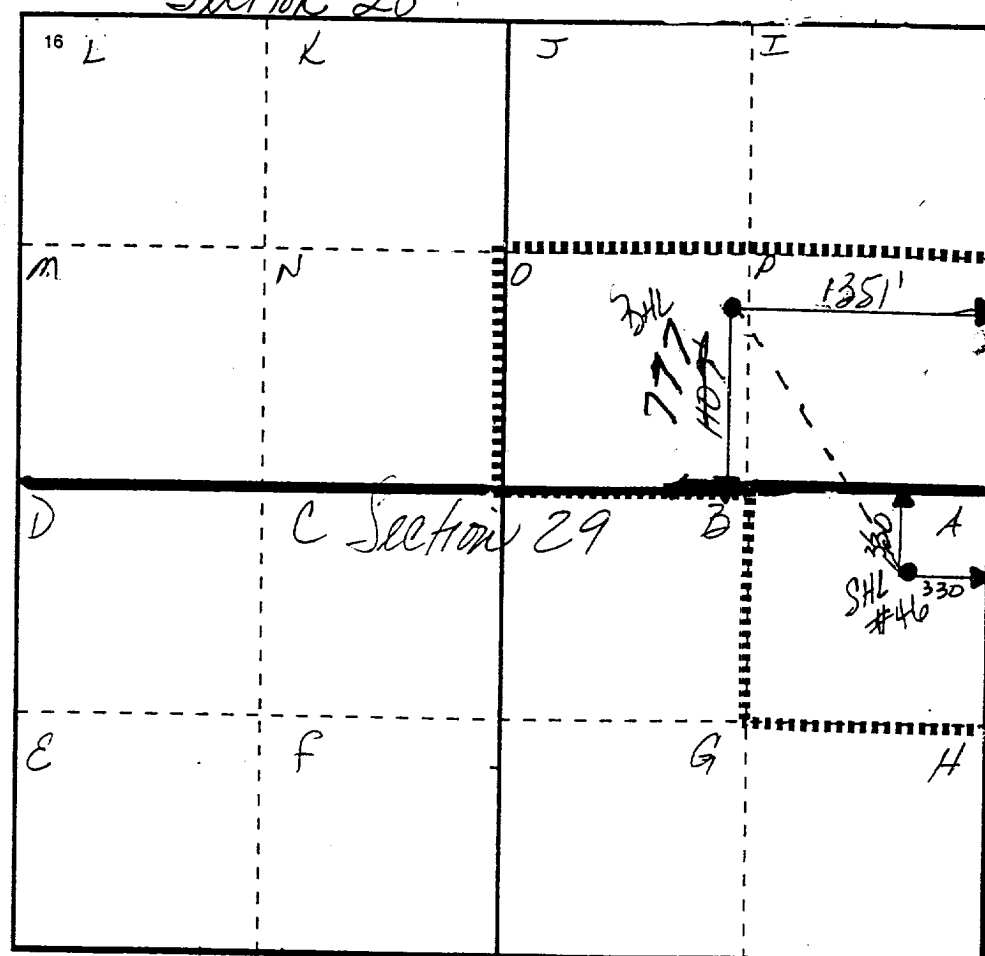
UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
A	29	22-S	38-E		330	NORTH	330	EAST	LEA

11 Bottom Hole Location If Different From Surface

UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
0	20	22S	38E		272' 110'	SOUTH	1351'	EAST	LEA

12 Dedicated Acre 120	13 Joint or Infill No	14 Consolidation Code	15 Order No.
--------------------------	--------------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

J. Denise Leake

Printed Name

J. Denise Leake

Position

Engineering Assistant

Date

12-04-00

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of
Professional Surveyor

Certificate No.