

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

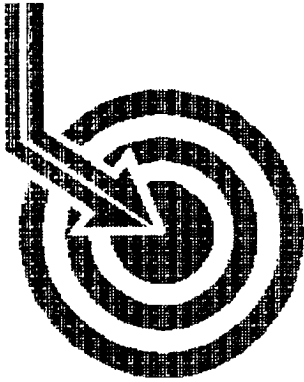
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-30970
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1056-1
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	48
9. Pool Name or Wildcat	VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG							
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐				7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT			
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER HORIZONTAL ☐							
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 48			
3. Address of Operator PO BOX 3108 MIDLAND, TX 79702				9. Pool Name or Wildcat VACUUM GLORIETA			
4. Well Location BHL 17 885 FSL 30 FWL 30 - 175-350 Unit Letter P 815 Feet From The SOUTH Line and 800 Feet From The EAST Line Section 25 Township 17S Range 34E NMPM LEA COUNTY							
10. Date Spudded 4/21/01	11. Date T.D. Reached 4/28/01	12. Date Compl. (Ready to Prod.) 5/12/01	13. Elevations (DF & RKB. RT, GR, etc.) 3990' GL	14. Elev. Csghead			
15. Total Depth 6955'	16. Plug Back T.D. 5990'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	19. Producing Interval(s), of this completion - Top, Bottom, Name 5857-5863' GLORIETA	20. Was Directional Survey Made YES		
21. Type Electric and Other Logs Run N/A				22. Was Well Cored No			
23. CASING RECORD (Report all Strings set in well)							
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED		
11 3/4"	42#	1550'					
8 5/8"	32#	3000'					
5 1/2"		6310'		NO CHANGE			
24. LINER RECORD							
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD		
					SIZE	DEPTH SET	PACKER SET
					2 7/8"	5939'	
26. Perforation record (interval, size, and number) 5857-5863'				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 5857-5863' ACID FRAC W/35,000 GALS 15% HCL			
28. PRODUCTION							
Date First Production 5/27/01		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2 1/2"X2"X24'				Well Status (Prod. or Shut-in) PROD	
Date of Test 5-30-01	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 74	Gas - MCF 22	Water - Bbl. 29	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD				Test Witnessed By			
30. List Attachments DEVIATION SURVEY							
31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.							
SIGNATURE J. Denise Leake				TITLE Engineering Assistant		DATE 11/12/01	
TYPE OR PRINT NAME J. Denise Leake				Telephone No.		915-688-4752	



Scientific Drilling



TEXACO E & P INC.

Field: Vacuum Glorieta West
Site: Lea County, NM
Well: VGWU #48
Wellpath: HH - Job #32D0401230
Survey: 4/21/01-4/27/01

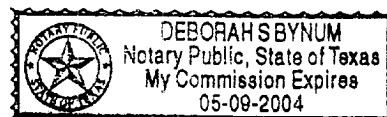
This survey is correct to the best of my knowledge
and is supported by actual field data.

Scott Noddy.....Company Representative

Notorized this date 24th of May, 2001.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas



Scientific Drilling International Survey Report

Company: TEXACO E & P INC. Field: Vacuum Glorieta West Site: Lea County, NM Well: VGWU #48 Wellpath: VH - Job #32K0401229	Date: 5/23/2001 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 18:08:18 Site: Lea County, NM, True North SITE 0.0 above Mean Sea Level Well (0.0E,0.0N,93.5Azi) Minimum Curvature	Page: 1
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Survey: 4/21/01 KSRG 0'-5836'	Start Date: 5/23/2001
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Company: Scientific Drilling International Tool: KEEPER	Engineer: Jeff Cossey
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Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S fl	E/W ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00
100.0	0.03	234.75	100.0	0.0	0.0	0.0	0.0	234.75
200.0	0.03	234.75	200.0	-0.1	0.0	-0.1	0.1	234.75
300.0	0.03	110.89	300.0	-0.1	-0.1	-0.1	0.1	221.19
400.0	0.07	77.75	400.0	0.0	-0.1	0.0	0.1	160.75
500.0	0.27	26.08	500.0	0.2	0.2	0.2	0.2	49.63
600.0	0.24	51.41	600.0	0.4	0.5	0.5	0.7	42.18
700.0	0.63	74.83	700.0	1.1	0.8	1.1	1.4	55.97
800.0	0.96	95.39	800.0	2.5	0.8	2.5	2.6	71.51
900.0	1.43	119.18	900.0	4.4	0.2	4.4	4.4	88.02
1000.0	1.74	128.81	999.9	6.8	-1.4	6.7	6.9	101.84
1100.0	1.95	144.57	1099.9	9.1	-3.7	8.9	9.6	112.87
1200.0	2.16	154.81	1199.8	11.1	-6.8	10.7	12.7	122.66
1300.0	2.11	158.69	1299.7	12.7	-10.3	12.1	15.9	130.20
1400.0	2.05	161.69	1399.7	14.2	-13.7	13.4	19.1	135.64
1500.0	2.01	164.73	1499.6	15.4	-17.1	14.4	22.3	139.85
1600.0	1.57	169.31	1599.6	16.3	-20.1	15.1	25.1	143.07
1700.0	1.53	165.38	1699.5	17.1	-22.7	15.7	27.6	145.37
1800.0	1.47	160.99	1799.5	18.0	-25.2	16.5	30.1	146.90
1900.0	1.41	156.52	1899.5	19.0	-27.6	17.4	32.6	147.81
2000.0	1.27	151.29	1999.4	20.2	-29.7	18.4	34.9	148.23
2100.0	1.03	147.79	2099.4	21.3	-31.4	19.4	36.9	148.31
2200.0	1.00	138.76	2199.4	22.4	-32.8	20.5	38.7	148.08
2300.0	0.87	127.60	2299.4	23.7	-33.9	21.6	40.3	147.50
2400.0	0.77	107.82	2399.4	24.9	-34.6	22.9	41.5	146.55
2500.0	0.97	71.69	2499.4	26.4	-34.6	24.3	42.3	144.87
2600.0	1.62	63.36	2599.3	28.4	-33.7	26.4	42.8	141.91
2700.0	1.92	65.22	2699.3	31.1	-32.3	29.2	43.5	137.94
2800.0	1.92	67.32	2799.2	34.1	-31.0	32.2	44.7	133.86
2900.0	1.75	80.66	2899.2	37.1	-30.1	35.3	46.4	130.45
3000.0	1.62	84.26	2999.1	39.9	-29.7	38.2	48.4	127.86
3100.0	1.49	81.14	3099.1	42.6	-29.3	40.9	50.3	125.67
3200.0	1.40	80.99	3199.1	45.1	-29.0	43.4	52.2	123.73
3300.0	1.40	88.17	3299.0	47.5	-28.7	45.8	54.1	122.10
3400.0	1.40	88.28	3399.0	49.9	-28.7	48.2	56.1	120.70
3500.0	1.23	84.31	3499.0	52.2	-28.5	50.5	58.0	119.43
3600.0	1.34	87.56	3599.0	54.4	-28.4	52.8	59.9	118.25
3700.0	1.23	84.73	3698.9	56.6	-28.2	55.0	61.8	117.15
3800.0	1.41	79.19	3798.9	58.9	-27.9	57.3	63.7	115.95
3900.0	1.50	80.18	3898.9	61.3	-27.4	59.8	65.8	114.64
4000.0	1.64	81.76	3998.8	64.0	-27.0	62.5	68.1	113.36
4100.0	1.82	81.74	4098.8	67.0	-26.6	65.5	70.7	112.08
4200.0	1.77	83.29	4198.7	70.1	-26.2	68.6	73.4	110.87
4300.0	1.90	81.50	4298.7	73.2	-25.7	71.8	76.2	109.72
4400.0	1.89	80.66	4398.6	76.4	-25.2	75.0	79.1	108.58
4500.0	2.10	79.97	4498.6	79.8	-24.6	78.5	82.2	107.43
4600.0	2.14	78.34	4598.5	83.4	-23.9	82.1	85.5	106.25
4700.0	2.20	69.02	4698.4	86.9	-22.9	85.7	88.7	104.94

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC.
Field: Vacuum Glorieta West
Site: Lea County, NM
Well: VGWU #48
Wellpath: VH - Job #32K0401229

Date: 5/23/2001 **Time:** 18:08:18 **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: Well (0.0E,0.0N,93.5Azi)
Survey Calculation Method: Minimum Curvature

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
4800.0	2.14	66.98	4798.4	90.4	-21.4	89.2	91.8	103.52
4900.0	1.91	53.05	4898.3	93.3	-19.7	92.3	94.4	102.06
5000.0	1.64	46.73	4998.3	95.5	-17.7	94.6	96.3	100.61
5100.0	1.29	45.55	5098.2	97.3	-16.0	96.5	97.8	99.39
5200.0	1.33	40.75	5198.2	98.7	-14.3	98.0	99.1	98.30
5300.0	1.42	37.14	5298.2	100.1	-12.4	99.6	100.3	97.12
5400.0	1.28	39.63	5398.1	101.5	-10.6	101.0	101.6	95.98
5500.0	1.50	42.78	5498.1	103.0	-8.8	102.6	103.0	94.88
5600.0	1.37	45.57	5598.1	104.6	-7.0	104.4	104.6	93.82
5700.0	1.53	38.18	5698.0	106.2	-5.1	106.0	106.2	92.74
5800.0	1.27	44.57	5798.0	107.6	-3.2	107.6	107.7	91.72
5836.0	1.55	32.32	5834.0	108.1	-2.5	108.2	108.2	91.35

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC. Field: Vacuum Glorieta West Site: Lea County, NM Well: VGWU #48 Wellpath: HH - Job #32D0401230	Date: 5/23/2001 Co-ordinate(NE) Reference: Site: Lea County, NM, True North Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level Section (VS) Reference: Well (0.0E,0.0N,93.5Azi) Survey Calculation Method: Minimum Curvature
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Page: 1

Survey: 4/21/01-4/27/01 MWD 5885'-6955'	Start Date: 5/23/2001 Engineer: Lamb/Ford
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MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
5836.0	1.55	32.32	5834.0	108.1	-2.5	108.2	108.2	91.35
5857.0	1.55	32.32	5855.0	108.4	-2.1	108.5	108.5	91.09
5885.0	21.30	88.00	5882.3	113.7	-1.6	113.8	113.8	90.79
5919.0	41.80	92.70	5911.2	131.4	-1.9	131.5	131.5	90.82
5928.0	45.60	92.90	5917.7	137.6	-2.2	137.7	137.7	90.91
5959.0	58.80	93.50	5936.6	162.0	-3.6	162.1	162.2	91.26
5990.0	72.20	96.00	5949.4	190.2	-5.9	190.2	190.3	91.78
6021.0	79.40	95.60	5957.0	220.2	-9.0	220.0	220.2	92.33
6053.0	83.50	95.30	5961.8	251.8	-12.0	251.5	251.8	92.72
6084.0	87.80	94.40	5964.1	282.7	-14.6	282.3	282.7	92.96
6116.0	93.40	94.50	5963.8	314.7	-17.1	314.2	314.7	93.11
6147.0	96.40	94.20	5961.2	345.6	-19.4	345.0	345.6	93.22
6179.0	97.40	94.40	5957.3	377.3	-21.8	376.7	377.3	93.31
6213.0	94.90	93.90	5953.7	411.1	-24.2	410.4	411.1	93.38
6242.0	94.40	93.80	5951.3	440.0	-26.2	439.2	440.0	93.41
6274.0	92.50	93.30	5949.4	472.0	-28.1	471.1	472.0	93.42
6305.0	92.50	93.20	5948.1	502.9	-29.9	502.0	502.9	93.41
6337.0	93.60	92.90	5946.3	534.9	-31.6	534.0	534.9	93.39
6369.0	92.50	92.90	5944.6	566.8	-33.2	565.9	566.8	93.36
6400.0	92.50	93.40	5943.3	597.8	-34.9	596.8	597.8	93.35
6432.0	92.50	93.90	5941.9	629.8	-37.0	628.7	629.8	93.36
6462.0	92.30	93.70	5940.6	659.7	-38.9	658.6	659.8	93.38
6496.0	91.90	93.70	5939.4	693.7	-41.1	692.5	693.7	93.40
6525.0	91.40	93.60	5938.6	722.7	-43.0	721.4	722.7	93.41
6557.0	92.50	94.60	5937.5	754.7	-45.3	753.3	754.7	93.44
6588.0	92.00	94.40	5936.3	785.7	-47.7	784.2	785.7	93.48
6622.0	90.60	93.20	5935.5	819.7	-49.9	818.1	819.7	93.49
6652.0	89.40	92.80	5935.5	849.7	-51.5	848.1	849.7	93.48
6686.0	89.30	92.90	5935.9	883.6	-53.2	882.0	883.6	93.45
6715.0	90.70	92.70	5935.9	912.6	-54.6	911.0	912.6	93.43
6747.0	91.50	92.90	5935.3	944.6	-56.2	943.0	944.6	93.41
6778.0	93.40	93.80	5933.9	975.6	-58.0	973.9	975.6	93.41
6810.0	93.80	93.50	5931.9	1007.5	-60.0	1005.8	1007.5	93.42
6844.0	90.00	92.60	5930.8	1041.5	-61.8	1039.7	1041.5	93.40
6872.0	88.70	92.50	5931.1	1069.5	-63.1	1067.6	1069.5	93.38
6903.0	89.40	94.10	5931.6	1100.5	-64.9	1098.6	1100.5	93.38
6920.0	87.80	93.70	5932.0	1117.5	-66.0	1115.5	1117.5	93.39
6955.0	87.80	93.70	5933.4	1152.5	-68.3	1150.4	1152.5	93.40