

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.	30-025-21364
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1520
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	13
9. Pool Name or Wildcat	VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐				
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER HORIZONTAL ☐				
2. Name of Operator	TEXACO EXPLORATION & PRODUCTION INC.			
3. Address of Operator	PO BOX 3109, MIDLAND, TX, 79702			
4. Well Location	BHL-D, 1006 FNL, 594FWL, 25, 17S, 34E			
Unit: Letter	C	660	Feet From The	NORTH Line and 2310 Feet From The WEST Line
Section	25	Township	17S	Range 34E NMPM LEA COUNTY
10. Date Spudded	5/2/01	11. Date T.D. Reached	5/14/01	12. Date Compl. (Ready to Prod.) 5/19/01
13. Elevations (DF & RKB, RT, GR, etc.)	4011' DF			
14. Elev. Csghead				
15. Total Depth	7741'			
16. Plug Back T.D.				
17. If Mult. Compl. How Many Zones?				
18. Intervals Drilled By	Rotary Tools Cable Tools			
19. Producing Interval(s), of this completion - Top, Bottom, Name	5871-5875 GLORIETA			
20. Was Directional Survey Made	YES			
21. Type Electric and Other Logs Run	N/A			
22. Was Well Cored	NO			

CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			NO CHANGE		

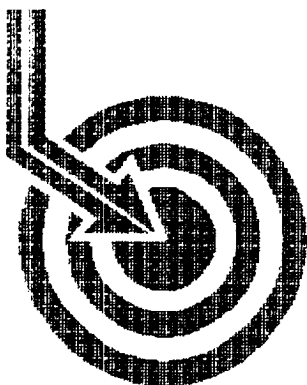
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	5756'	

25. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
5871-5875	DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
	5871-5875 ACIDIZE W/18,000 GALS 15% HCL

28. PRODUCTION							
Date First Production	Production Method (Flowing, gas lift, pumping - size and type pump)					Well Status (Prod. or Shut-in)	
5/27/01	PUMPING (SUB PUMP)					PROD	
Date of Test	Hours tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
5-30-01	24 HRS			71	3	669	
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.)	Test Witnessed By
SOLD	

30. List Attachments	NOTARIZED DEVIATIONS
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 <i>J. Denise Leake</i>	TITLE Engineering Assistant
DATE	10/5/01
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 #13H
Wellpath: HH - Job #32D0501254
Survey: 5/2/01-5/13/01

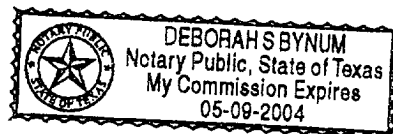
This survey is correct to the best of my knowledge
and is supported by actual field data.

Scott Moody.....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 #13H Wellpath: VH - Job #32K0501255	Date: 5/23/2001 Time: 18:22:15 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: Well (0.0E,0.0N,258.5Azi) Survey Calculation Method: Minimum Curvature
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Survey: 5/2/01 KSRG 0'-5876'	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 ft	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	0.64	4.29	100.0	-0.2	0.6	0.0	0.6	4.29
200.0	0.33	15.52	200.0	-0.4	1.4	0.2	1.4	6.58
300.0	0.34	57.65	300.0	-0.8	1.8	0.5	1.9	14.96
400.0	0.32	56.67	400.0	-1.4	2.1	1.0	2.4	24.44
500.0	0.29	34.91	500.0	-1.8	2.5	1.4	2.8	28.37
600.0	0.40	55.04	600.0	-2.3	2.9	1.8	3.4	31.49
700.0	0.38	52.45	700.0	-2.9	3.3	2.3	4.0	35.14
800.0	0.42	66.09	800.0	-3.6	3.7	2.9	4.7	38.65
900.0	0.33	63.73	900.0	-4.2	3.9	3.5	5.3	41.81
1000.0	0.24	50.13	1000.0	-4.7	4.2	3.9	5.8	43.18
1100.0	0.14	64.01	1100.0	-5.0	4.4	4.2	6.1	43.83
1200.0	0.15	125.03	1200.0	-5.2	4.4	4.4	6.2	45.41
1300.0	0.38	168.41	1300.0	-5.3	4.0	4.6	6.1	49.25
1400.0	0.27	163.12	1400.0	-5.3	3.4	4.7	5.8	54.21
1500.0	0.37	178.99	1500.0	-5.3	2.9	4.8	5.6	59.21
1600.0	0.52	182.06	1600.0	-5.1	2.1	4.8	5.2	66.47
1700.0	0.58	173.66	1700.0	-5.0	1.1	4.8	5.0	76.82
1800.0	0.97	148.13	1800.0	-5.2	-0.1	5.3	5.3	90.95
1900.0	0.97	148.87	1899.9	-5.8	-1.5	6.2	6.4	103.82
2000.0	1.11	144.83	1999.9	-6.5	-3.0	7.2	7.8	112.88
2100.0	1.09	139.66	2099.9	-7.3	-4.6	8.4	9.6	118.53
2200.0	1.09	134.85	2199.9	-8.3	-6.0	9.7	11.4	121.61
2300.0	1.05	148.17	2299.9	-9.1	-7.4	10.8	13.1	124.35
2400.0	1.07	142.53	2399.9	-9.9	-8.9	11.9	14.9	126.89
2500.0	0.92	141.47	2499.8	-10.7	-10.3	13.0	16.6	128.46
2600.0	0.85	133.18	2599.8	-11.4	-11.4	14.0	18.1	129.23
2700.0	0.82	135.51	2699.8	-12.3	-12.5	15.0	19.5	129.61
2800.0	0.90	137.82	2799.8	-13.1	-13.5	16.1	21.0	130.12
2900.0	0.83	141.01	2899.8	-13.8	-14.7	17.1	22.5	130.73
3000.0	0.87	152.99	2999.8	-14.3	-15.9	17.9	23.9	131.73
3100.0	0.94	152.55	3099.8	-14.8	-17.3	18.6	25.4	133.01
3200.0	1.07	156.63	3199.8	-15.2	-18.9	19.3	27.0	134.38
3300.0	1.02	154.46	3299.7	-15.6	-20.6	20.1	28.8	135.70
3400.0	1.05	157.83	3399.7	-16.0	-22.2	20.8	30.5	136.88
3500.0	1.08	157.50	3499.7	-16.3	-23.9	21.5	32.2	138.06
3600.0	0.92	165.89	3599.7	-16.5	-25.6	22.1	33.8	139.22
3700.0	1.29	159.64	3699.7	-16.7	-27.4	22.7	35.6	140.44
3800.0	1.39	165.33	3799.6	-17.0	-29.7	23.4	37.8	141.77
3900.0	1.81	161.62	3899.6	-17.2	-32.3	24.2	40.4	143.22
4000.0	2.06	162.34	3999.5	-17.6	-35.5	25.2	43.6	144.65
4100.0	2.52	154.38	4099.5	-18.3	-39.2	26.7	47.5	145.76
4200.0	2.39	151.45	4199.4	-19.5	-43.1	28.7	51.7	146.35
4300.0	2.05	144.96	4299.3	-20.8	-46.3	30.7	55.6	146.50
4400.0	1.97	145.01	4399.2	-22.2	-49.2	32.7	59.1	146.41
4500.0	1.94	144.83	4499.2	-23.6	-52.0	34.7	62.5	146.33
4600.0	1.84	151.95	4599.1	-24.7	-54.8	36.4	65.8	146.43
4700.0	1.94	151.83	4699.1	-25.7	-57.7	37.9	69.1	146.69

Scientific Drilling International Survey Report

Company: TEXACO E & P INC. Field: Vacuum Glorieta West Site: Lea County, NM Well: VGWU #13H Wellpath: VH - Job #32K0501255	Date: 5/23/2001 Time: 18:22:15 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,258.5Azi) Survey Calculation Method: Minimum Curvature
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Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
4800.0	1.97	153.21	4799.0	-26.6	-60.7	39.5	72.5	146.96
4900.0	1.95	154.96	4899.0	-27.5	-63.8	41.0	75.9	147.28
5000.0	2.04	154.36	4998.9	-28.3	-67.0	42.5	79.3	147.60
5100.0	2.22	140.66	5098.8	-29.6	-70.1	44.5	83.0	147.59
5200.0	2.25	137.31	5198.8	-31.5	-73.0	47.1	86.9	147.20
5300.0	2.16	135.79	5298.7	-33.6	-75.8	49.7	90.6	146.75
5400.0	2.02	133.72	5398.6	-35.6	-78.4	52.3	94.2	146.29
5500.0	1.45	144.66	5498.6	-37.1	-80.6	54.3	97.2	146.05
5600.0	1.18	152.09	5598.5	-37.9	-82.6	55.5	99.5	146.09
5700.0	0.92	155.39	5698.5	-38.4	-84.2	56.3	101.3	146.23
5800.0	0.28	82.68	5798.5	-38.8	-84.9	56.9	102.2	146.17
5875.0	0.37	64.00	5874.5	-39.2	-84.8	57.3	102.3	145.95

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC. Field: Vacuum Glorieta West Site: Lea County, NM Well: VGWU #13H Wellpath: HH - Job #32D0501254	Date: 5/23/2001 Time: 18:31:44 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: Well (0.0E,0.0N,258.5Azi) Survey Calculation Method: Minimum Curvature
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Survey: 5/2/01-5/13/01 MWD 5917'-7741'	Start Date: 5/23/2001
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Company: Scientific Drilling Internatio Tool: Eye II	Engineer: Lamb
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Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
5871.0	0.28	82.68	5869.5	-39.1	-84.9	57.2	102.4	146.03
5917.0	22.50	269.80	5914.3	-30.5	-84.9	48.4	97.7	150.32
5934.0	31.00	272.10	5929.5	-23.0	-84.8	40.8	94.1	154.32
5976.0	47.90	271.80	5961.8	2.8	-83.9	14.2	85.1	170.41
5997.0	55.90	270.50	5974.8	18.9	-83.6	-2.3	83.6	181.60
6028.0	65.70	267.60	5989.9	45.5	-84.0	-29.4	89.0	199.25
6059.0	73.90	265.90	6000.6	74.3	-85.7	-58.4	103.7	214.26
6090.0	75.20	265.10	6008.8	103.9	-88.0	-88.2	124.6	225.04
6120.0	80.20	261.30	6015.2	133.1	-91.5	-117.2	148.7	232.03
6151.0	85.40	259.20	6019.1	163.9	-96.7	-147.5	176.4	236.75
6183.0	93.00	256.40	6019.6	195.8	-103.5	-178.8	206.6	239.94
6213.0	94.60	257.40	6017.6	225.8	-110.3	-207.9	235.4	242.06
6245.0	90.40	261.10	6016.2	257.7	-116.2	-239.3	266.1	244.10
6276.0	90.90	260.50	6015.8	288.7	-121.2	-269.9	295.9	245.82
6307.0	90.70	259.90	6015.4	319.7	-126.5	-300.5	326.0	247.18
6338.0	89.90	258.80	6015.2	350.7	-132.2	-331.0	356.4	248.23
6369.0	90.40	260.00	6015.1	381.7	-137.9	-361.4	386.8	249.12
6400.0	91.40	263.40	6014.7	412.6	-142.4	-392.1	417.1	250.04
6432.0	90.80	263.80	6014.0	444.5	-145.9	-423.9	448.3	251.00
6463.0	90.80	264.40	6013.6	475.3	-149.1	-454.7	478.5	251.84
6494.0	91.00	264.10	6013.1	506.2	-152.2	-485.6	508.9	252.59
6526.0	90.50	260.00	6012.7	538.1	-156.6	-517.2	540.4	253.15
6557.0	91.40	259.70	6012.2	569.1	-162.1	-547.7	571.2	253.51
6589.0	92.60	259.20	6011.1	601.0	-168.0	-579.2	603.1	253.83
6620.0	94.00	258.30	6009.3	632.0	-174.0	-609.5	633.9	254.07
6652.0	95.30	259.90	6006.7	663.9	-180.0	-640.9	665.7	254.31
6683.0	92.50	261.30	6004.6	694.8	-185.1	-671.4	696.4	254.59
6714.0	92.70	260.70	6003.2	725.7	-189.9	-702.0	727.2	254.86
6746.0	92.20	260.10	6001.8	757.7	-195.3	-733.5	759.0	255.09
6777.0	89.80	259.30	6001.3	788.7	-200.8	-764.0	789.9	255.27
6809.0	89.80	259.30	6001.4	820.7	-206.7	-795.4	821.8	255.43
6840.0	89.70	258.20	6001.5	851.7	-212.8	-825.8	852.8	255.55
6872.0	90.40	258.80	6001.5	883.7	-219.2	-857.2	884.8	255.66
6903.0	91.70	259.80	6000.9	914.7	-224.9	-887.6	915.7	255.78
6934.0	91.70	259.80	6000.0	945.6	-230.4	-918.1	946.6	255.91
6966.0	92.60	260.20	5998.8	977.6	-236.0	-949.6	978.5	256.05
6997.0	91.00	259.90	5997.8	1008.6	-241.3	-980.1	1009.4	256.17
7028.0	89.70	260.60	5997.6	1039.6	-246.6	-1010.7	1040.3	256.29
7060.0	89.60	261.70	5997.8	1071.5	-251.5	-1042.3	1072.2	256.43
7091.0	90.00	261.40	5997.9	1102.5	-256.0	-1073.0	1103.1	256.58
7122.0	92.00	259.90	5997.4	1133.4	-261.1	-1103.5	1134.0	256.69
7154.0	91.70	259.50	5996.4	1165.4	-266.8	-1135.0	1166.0	256.77
7185.0	92.00	258.90	5995.4	1196.4	-272.6	-1165.5	1196.9	256.83
7217.0	92.60	260.70	5994.1	1228.4	-278.3	-1196.9	1228.8	256.91
7248.0	92.30	263.60	5992.8	1259.3	-282.5	-1227.6	1259.7	257.04
7279.0	90.20	263.10	5992.1	1290.2	-286.1	-1258.4	1290.5	257.19
7311.0	89.90	263.50	5992.1	1322.0	-289.8	-1290.2	1322.3	257.34
7342.0	89.30	264.30	5992.3	1352.9	-293.1	-1321.0	1353.1	257.49

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC.
Field: Vacuum Glorieta West
Site: Lea County, NM
Well: VGWU #13H
Wellpath: HH - Job #32D0501254

Date: 5/23/2001 **Time:** 18:31:44 **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,258.5Azi)
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
7374.0	88.70	263.70	5992.8	1384.7	-296.5	-1352.8	1384.9	257.64
7405.0	89.70	260.50	5993.3	1415.7	-300.7	-1383.5	1415.8	257.74
7433.0	90.70	260.60	5993.2	1446.7	-305.8	-1414.1	1446.8	257.80
7467.0	94.60	261.60	5991.7	1477.6	-310.6	-1444.7	1477.7	257.87
7493.0	94.40	261.40	5989.2	1509.4	-315.3	-1476.2	1509.5	257.94
7523.0	93.90	262.00	5987.0	1539.3	-319.6	-1505.8	1539.4	258.02
7561.0	92.00	263.60	5985.4	1571.2	-323.6	-1537.5	1571.2	258.11
7592.0	91.30	263.70	5984.5	1602.0	-327.1	-1568.3	1602.1	258.22
7623.0	91.50	264.10	5983.7	1632.9	-330.4	-1599.1	1632.9	258.33
7655.0	91.20	263.50	5983.0	1664.8	-333.8	-1630.9	1664.8	258.43
7685.0	90.80	261.90	5982.4	1695.7	-337.7	-1661.7	1695.7	258.51
7741.0	90.80	261.90	5981.7	1750.6	-345.5	-1716.1	1750.6	258.62

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

OIL CONSERVATION DIVISION

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

Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-21364	2 Pool Code 62160	3 Pool Name VACUUM GLORIETA
4 Property Code 11125	5 Property Name VACUUM GLORIETA WEST UNIT	6 Well No. 13
7 OGRID Number 022351	8 Operator Name TEXACO EXPLORATION & PRODUCTION INC.	9 Elevation 4011' DF

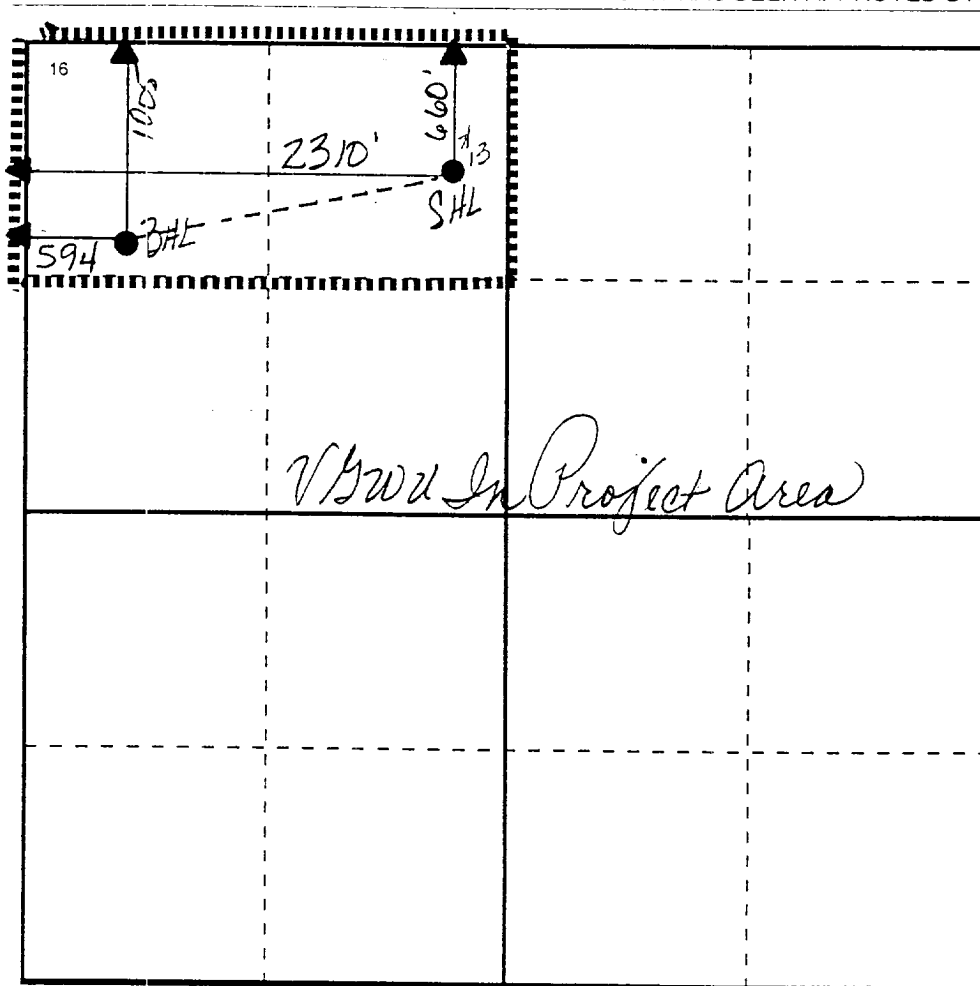
10 Surface Location

UI or lot no	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
C	25	17S	34E		660	NORTH	2310	WEST	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
D	25	17S	34E		1006	NORTH	594	WEST	LEA
12 Dedicated Acre 80	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

Printed Name

J. Denise Leake

Position

Engineering Assistant

Date

1/11/01

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.