

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.	3002531483
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	WEST DOLLARHIDE DRINKARD UNIT
8. Well No.	115
9. Pool Name or Wildcat	DOLLARHIDE TUBB DRINKARD

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.	
1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	TEXACO EXPLORATION & PRODUCTION INC.
3. Address of Operator	15 SMITH ROAD, MIDLAND, TX 79705
4. Well Location	Unit Letter <u>A</u> : <u>121</u> Feet From The <u>NORTH</u> Line and <u>1309</u> Feet From The <u>EAST</u> Line Section <u>5</u> Township <u>25S</u> Range <u>38E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3165'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPERATION ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	HORIZONTAL COMPLETION ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

2-20-02/2-24-02: RUN CIBP & SET @ 6337'. MOVE PKR TO 6328 TO TEST CIBP. REL PKR. TIH W/SANDLINE DRILL & TAG CIBP @ 6337. KNOCK CIBP LOOSE & DROVE DN TO 6802. TIH W/SCRAPER. SET CIBP @ 6350. TIH W/PKR TO 6328. TEST PERFS 6072-6216.

2-26-02/3-08-02: MIRU KEY#117. TIH ON DP & TAG CIBP @ 6350. TIH W/WHIPSTOCK. RAN GYRO SURVEY. FINAL SETTING @ 269.7 AZIMUTH. MILL 6337-6342, 6343, 6346. TOP OF WINDOW @ 6337. BTM OF WINDOW @ 6343. DRILL 6367, 6398, 6501, 6520, 6635, 6678, 6690, 6741, 6748, 6899, 6912, 6962, 6974, 7025, 7047, 7089, 7135, 7150, 7189, 7193, 7200, 7215, 7245, 7328, 7358, 7370, 7400, 7496, 7506, 7654, 7664, 7749, 7906, 7969, 7989, 8033, 8043, 8096, 8102, 8238, 8243, 8321, 8364. FSH WHIPSTOCK OUT OF HLE. TIH W/RBP & SET @ 6003. RIGGING DOWN 3-08-02.

3-20-02: MIRU POOL #645. 3-22-02: LATCH ONTO RBP @ 6003. TIH W/2 7/8" PORTED SUB ASSEMBLY. END OF TBG @ 8309. PKR @ 6273. 3-26-02: ACIDIZE DRINKARD LATERAL W/51,600 GALS 20% NEFE. 18,000 GALS WF 130 GELLED WTR & 8000 GALS SCALE INHIB. 3-27-02: REL PKR. TIH W/SANDLINE DRILL & TAG @ 6348. BAIL 2' FILL OFF CIBP. KNOCK OUT CIBP. RUN SUB PUMP. 3-28-02: KNOCK OUT CIBP @ 6350. PUSH CIBP TO 6800. TIH W/2 7/8" TBG TO 5477. 3-29-02: RAN TOTAL OF 195 JTS 2 7/8" TBG. TOP OF PUMP @ 6363. BTM PUMP @ 6458. RIG DOWN.

3-31-02: ON 24 HR OPT. PUMPED 134 BO, 515 BW, & 151 MCF

FINAL REPORT.

BHL: 32, 25S, 38E, 210' FSL, 3059/E, 2221 FWL

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

SIGNATURE J. Denise Leake TITLE Regulatory Specialist DATE 5/1/2002
TYPE OR PRINT NAME J. Denise Leake Telephone No. 915-687-7375

(This space for State Use)

APPROVED
CONDITIONS OF APPROVAL, IF ANY: TITLE

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

DATE AUG 01 2002
DeSoto/Nichols 12-93 ver 1.0

OIL CONSERVATION DIVISION

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WELL API NO.	3002531483
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG							
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐				7. Lease Name or Unit Agreement Name WEST DOLLARHIDE DRINKARD UNIT			
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER HORIZONTAL ☐				8. Well No. 115			
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				9. Pool Name or Wildcat DOLLARHIDE TUBB DRINKARD			
3. Address of Operator 15 SMITH ROAD, MIDLAND, TX 79705							
4. Well Location <i>P.H.L. N, 32, 253.38E, 210' FSL, 200' FSL</i> Unit Letter <i>A</i> <i>24</i> 121 Feet From The NORTH Line and 1309 Feet From The EAST Line Section 5 Township 25S Range 38E NMPM LEA COUNTY							
10. Date Spudded 2/21/2002		11. Date T.D. Reached 3/8/2002		12. Date Compl. (Ready to Prod.) 3/26/2002		13. Elevations (DF & RKB, RT, GR, etc.) 3165'	
15. Total Depth 8364'		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 6337-6343' TUBB DRINKARD						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	
11 3/4				1180		14 3/4	
8 5/8				4200		11	
5 1/2				7510		7 7/8	
24. LINER RECORD							
SIZE		TOP		BOTTOM		SACKS CEMENT	
25. TUBING RECORD							
SIZE		TOP		BOTTOM		PACKER SET	
26. Perforation record (interval, size, and number) 6337-6343'				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
				DEPTH INTERVAL			
				AMOUNT AND KIND MATERIAL USED			
				6337-6343' 51,600 GALS 20% NEFE			
				18,000 GALS WF 130 GELLED WATER			
				8,000 GALS SCALE INHIB			
28. PRODUCTION							
Date First Production 3/31/2002		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING <i>200</i> PUMP				Well Status (Prod. or Shut-in) PROD	
Date of Test 3-31-02		Hours tested 24 HR		Choke Size		Prod'n For Test Period	
Flow Tubing Press.		Casing Pressure		Calculated 24-Hour Rate		Oil - Bbl.	
						134	
						Gas - MCF	
						151	
						Water - Bbl.	
						515	
						Gas - Oil Ratio	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By	
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 Regulatory Specialist		DATE 5/1/2002	
TYPE OR PRINT NAME J. Denise Leake						Telephone No. 915-687-7375	



MWD SERVICES, INC.

FIELD SURVEY CALCULATIONS

DATE PRINTED: 03/07/02
 COMPANY: CHEVRON-TEXACO CORP.
 LOCATION: LEA COUNTY, NM
 FILE NAME: 02022.SRV
 CALCULATION MODEL: MINIMUM CURVATURE METHOD
 GRID CONVERGENCE: N/A
 COMMENTS: SURVEY #0 = TIE IN SURVEY FROM SCIENTIFIC DRCG. INTL. GYRO
 SURVEY #63 = STRAIGHT LINE PROJECTED SURVEY TO BIT DEPTH
 SURVEYS CORRECTED TO TRUE NORTH

MWD.REP.: G. HENDRIX
 WELL_NAME: W.D.D.U. #115
 RIG: KEY ENERGY 117
 VERT.SEC.DIR.: N 79.32 W
 DEPTH DATUM: RKB
 MAGN.DEC.: 8.52 E MAGN.TO MAP CORR.: 8.52 E

===== MWD SURVEY PROGRAM

Ver: 3.10 PC (4-Jun-87)

Date: 3/7/2002 Time: 14:10:20

PAGE: 1

Filename: "02022.SRV" Description: "W.D.D.U. #115"

Target Coordinates: 330.0 N 1750.0 W Target TVD: 6475.000

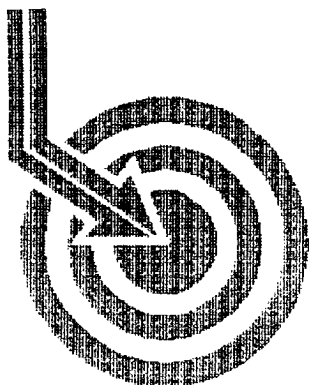
Using Minimum Curvature Method.

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	RECTANGULAR COORDINATES (feet)	DOGLEGS SEVERITY DG/100FT
0	6338.0	1.14	198.310	0.0	6333.4	-131.5	21.4 N 137.9 E	0.00
1	6393.0	24.50	273.600	55.0	6386.7	-120.0	21.6 N 126.2 E	44.06
2	6424.0	38.30	272.000	31.0	6413.1	-104.0	22.3 N 110.1 E	44.59
3	6455.0	51.30	272.500	31.0	6433.1	-82.5	23.2 N 88.6 E	41.93
4	6485.0	64.70	274.500	30.0	6450.9	-57.3	24.8 N 63.0 E	43.02
5	6516.0	75.30	276.900	31.0	6461.5	-28.3	27.7 N 34.0 E	34.96
6	6547.0	81.60	277.300	31.0	6467.7	2.0	31.5 N 3.9 E	20.36
7	6579.0	88.20	277.500	32.0	6470.6	33.0	35.6 N 27.7 W	20.63
8	6611.0	94.90	276.600	32.0	6469.7	63.7	39.5 N 59.4 W	21.13
9	6642.0	96.30	272.600	31.0	6466.7	96.4	42.0 N 90.2 W	13.61
10	6673.0	96.70	272.700	31.0	6463.2	126.9	43.4 N 120.9 W	1.33
11	6705.0	96.60	270.000	32.0	6459.5	158.2	44.1 N 152.7 W	8.39
12	6736.0	96.70	269.700	31.0	6453.9	188.5	44.0 N 183.5 W	1.01
13	6768.0	93.10	268.900	32.0	6452.6	219.7	43.7 N 215.6 W	5.38
14	6800.0	95.30	268.800	32.0	6449.7	250.9	43.0 N 247.2 W	0.70
15	6832.0	95.60	268.400	32.0	6446.6	282.0	42.2 N 279.0 W	1.56
16	6863.0	96.00	268.000	31.0	6443.5	312.1	41.3 N 309.9 W	1.82
17	6895.0	97.10	267.500	32.0	6439.9	343.1	40.0 N 341.6 W	3.77
18	6926.0	95.60	268.600	31.0	6436.4	373.2	39.0 N 372.4 W	5.99
19	6958.0	95.90	267.900	32.0	6433.2	404.3	38.0 N 404.2 W	2.37
20	6989.0	96.20	269.300	31.0	6429.9	434.4	37.3 N 435.1 W	4.59
21	7021.0	97.10	268.800	32.0	6426.2	465.6	36.7 N 466.8 W	3.21
22	7052.0	95.90	272.400	31.0	6422.7	495.9	37.0 N 497.6 W	12.17
23	7083.0	94.40	274.200	31.0	6420.0	526.5	36.8 N 528.4 W	7.54
24	7114.0	94.20	278.000	31.0	6417.6	557.3	42.1 N 559.2 W	12.24
25	7146.0	94.10	280.800	32.0	6415.3	589.2	47.3 N 590.7 W	6.73
26	7176.0	96.00	283.500	30.0	6412.7	619.1	53.6 N 619.9 W	10.98
27	7209.0	96.70	286.600	33.0	6409.0	651.8	62.1 N 651.3 W	9.57
28	7241.0	98.10	291.600	32.0	6404.9	683.2	72.5 N 681.5 W	16.10
29	7272.0	99.00	292.200	31.0	6400.3	713.2	83.9 N 710.0 W	3.48
30	7304.0	99.80	292.200	32.0	6395.1	744.2	95.9 N 739.2 W	2.50
31	7335.0	99.10	290.000	31.0	6390.0	774.2	106.9 N 767.7 W	7.36
32	7366.0	96.80	287.500	31.0	6385.7	804.6	116.7 N 796.8 W	10.90
33	7398.0	96.20	282.600	32.0	6382.1	836.3	125.0 N 827.5 W	15.33
34	7429.0	96.80	281.300	31.0	6378.5	867.1	131.4 N 857.6 W	4.59
35	7460.0	97.40	281.200	31.0	6374.7	897.9	137.4 N 887.8 W	1.96

S #	MEASURED DEPTH (feet)	DRIFT ANGLE (deg)	DRIFT DIRECTION (deg)	COURSE LENGTH (feet)	TRUE VERTICAL DEPTH (feet)	VERTICAL SECTION (feet)	--- RECTANGULAR COORDINATES (feet)	DOGLEG -SEVERITY DG/100FT
36	7492.0	97.40	281.400	32.0	6370.6	929.6	143.6 N 918.9 W	0.62
37	7523.0	94.80	282.200	31.0	6367.3	960.4	149.9 N 949.1 W	0.77
38	7555.0	94.90	282.000	32.0	6364.6	992.3	156.6 N 980.3 W	0.70
39	7587.0	95.30	281.700	32.0	6361.7	1024.2	163.1 N 1011.4 W	1.56
40	7618.0	95.10	281.700	31.0	6358.9	1055.0	169.4 N 1041.7 W	0.65
41	7650.0	96.10	281.400	32.0	6355.8	1086.9	175.8 N 1072.9 W	3.26
42	7681.0	97.50	282.000	31.0	6352.1	1117.6	182.0 N 1103.0 W	4.91
43	7713.0	97.50	281.700	32.0	6348.0	1149.4	188.5 N 1134.1 W	0.93
44	7744.0	98.00	281.900	31.0	6343.8	1180.1	194.6 N 1164.1 W	1.73
45	7776.0	98.40	282.100	32.0	6340.6	1211.9	201.4 N 1195.3 W	14.39
46	7806.0	89.40	282.400	30.0	6339.9	1241.9	207.8 N 1224.6 W	13.37
47	7837.0	84.70	281.700	31.0	6341.5	1272.8	214.2 N 1254.8 W	15.33
48	7870.0	79.40	281.200	33.0	6346.0	1305.5	220.7 N 1286.9 W	16.13
49	7902.0	73.60	280.600	32.0	6353.5	1336.6	226.6 N 1317.4 W	18.22
50	7933.0	73.40	280.300	31.0	6352.3	1366.3	232.0 N 1346.6 W	1.13
51	7965.0	74.20	280.300	32.0	6371.2	1397.0	237.5 N 1376.9 W	2.50
52	7997.0	73.70	283.500	32.0	6380.1	1427.8	243.8 N 1407.0 W	9.74
53	8028.0	74.20	283.800	31.0	6388.7	1457.5	250.9 N 1435.9 W	1.86
54	8060.0	76.10	284.200	32.0	6396.9	1488.4	258.3 N 1465.9 W	6.06
55	8090.0	76.60	284.100	30.0	6403.9	1517.5	265.5 N 1494.2 W	1.70
56	8122.0	75.50	284.200	32.0	6411.7	1548.5	273.1 N 1524.3 W	3.45
57	8153.0	75.40	284.500	31.0	6419.4	1578.4	280.5 N 1553.4 W	0.99
58	8185.0	75.20	284.300	32.0	6427.6	1609.3	288.2 N 1583.4 W	0.87
59	8217.0	74.90	284.600	32.0	6435.8	1640.2	295.9 N 1613.3 W	1.30
60	8248.0	73.90	284.500	31.0	6444.1	1670.0	303.4 N 1642.2 W	3.24
61	8280.0	73.60	284.700	32.0	6453.1	1700.6	311.2 N 1671.9 W	1.11
62	8312.0	73.60	284.100	32.0	6462.1	1731.3	318.8 N 1701.7 W	1.80
63	8364.0	73.60	284.100	52.0	6478.8	1781.1	330.9 N 1750.0 W	0.00

--- Final Closure Direction: 280.709
--- Final Closure Distance: 1781.051 feet





Scientific Drilling



TEXACO E & P INC.

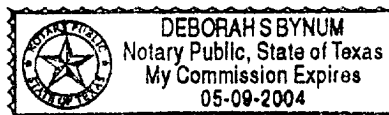
Field: West Dollarhide Drinkard
Site: Lea County, NM
Well: WDDU #115H
Wellpath: DH - Job #32D0202069
Survey: 2/27/02-3/7/02

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 3rd of April, 2002.

Deborah S. Bynum
Notary Signature
County of Midland
State of Texas



Scientific Drilling International

Survey Report

Company: TEXACO E & P INC. Field: West Dollarhide Drinkard Site: Lea County, NM Well: WDDU #115H Wellpath: VH - Job #32K0202070	Date: 4/3/2002 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 08:52:02 Site: Lea County, NM, True North SITE 0.0 above Mean Sea Level Well (0.0E,0.0N,280.7Azi) Minimum Curvature	Page: 1
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Survey: 2/27/02 KSRG0'-6316'	Start Date: 4/3/2002
Company: Scientific Drilling Internatio Tool: Keeper	Engineer: Gary DeSpain

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00	0.00
100.0	0.56	45.15	100.0	-0.3	0.3	0.3	0.5	45.15	0.56
200.0	0.88	86.42	200.0	-1.3	0.7	1.5	1.6	63.20	0.59
300.0	1.18	87.10	300.0	-3.0	0.8	3.3	3.4	75.57	0.30
400.0	1.50	93.70	399.9	-5.3	0.8	5.6	5.6	81.80	0.35
500.0	1.84	97.93	499.9	-8.2	0.5	8.5	8.5	86.63	0.36
600.0	2.41	104.26	599.8	-11.9	-0.2	12.1	12.1	91.14	0.62
700.0	2.57	101.57	699.7	-16.3	-1.2	16.3	16.4	94.23	0.20
800.0	3.08	90.48	799.6	-21.2	-1.7	21.2	21.3	94.53	0.75
900.0	3.81	87.09	899.4	-27.0	-1.5	27.2	27.3	93.22	0.76
1000.0	4.81	90.82	999.2	-34.4	-1.4	34.7	34.8	92.35	1.04
1100.0	5.49	93.03	1098.8	-43.3	-1.7	43.7	43.7	92.28	0.71
1200.0	5.42	93.46	1198.3	-52.7	-2.3	53.2	53.3	92.45	0.08
1300.0	5.29	91.54	1297.9	-61.9	-2.7	62.5	62.6	92.46	0.22
1400.0	4.92	86.41	1397.5	-70.6	-2.5	71.4	71.5	92.04	0.59
1500.0	4.04	85.87	1497.2	-78.2	-2.0	79.2	79.2	91.46	0.88
1600.0	3.31	83.65	1597.0	-84.4	-1.4	85.6	85.6	90.97	0.74
1700.0	2.96	82.70	1696.8	-89.6	-0.8	91.0	91.0	90.50	0.35
1800.0	2.75	78.15	1796.7	-94.3	0.0	95.9	95.9	89.99	0.31
1900.0	2.75	73.70	1896.6	-98.6	1.2	100.6	100.6	89.32	0.21
2000.0	2.84	62.39	1996.4	-102.7	3.0	105.1	105.1	88.36	0.56
2100.0	3.00	56.63	2096.3	-106.5	5.6	109.5	109.6	87.07	0.33
2200.0	2.93	58.30	2196.2	-110.3	8.4	113.8	114.1	85.79	0.11
2300.0	2.99	57.84	2296.0	-114.1	11.1	118.2	118.7	84.63	0.06
2400.0	3.04	58.04	2395.9	-118.0	13.9	122.7	123.4	83.53	0.05
2500.0	2.89	59.22	2495.8	-121.8	16.6	127.1	128.2	82.56	0.16
2600.0	2.29	59.85	2595.7	-125.2	18.9	131.0	132.3	81.79	0.60
2700.0	1.69	57.26	2695.6	-127.8	20.7	133.9	135.5	81.22	0.61
2800.0	1.20	57.80	2795.6	-129.6	22.0	136.1	137.8	80.80	0.49
2900.0	0.92	59.48	2895.6	-131.0	23.0	137.6	139.6	80.51	0.28
3000.0	0.98	63.50	2995.5	-132.3	23.8	139.1	141.1	80.29	0.09
3100.0	0.98	64.15	3095.5	-133.6	24.6	140.6	142.8	80.10	0.01
3200.0	0.84	64.99	3195.5	-134.9	25.2	142.1	144.3	79.93	0.14
3300.0	0.74	61.72	3295.5	-136.0	25.9	143.3	145.6	79.77	0.11
3400.0	0.46	57.21	3395.5	-136.8	26.4	144.2	146.6	79.63	0.28
3500.0	0.32	64.47	3495.5	-137.3	26.7	144.8	147.2	79.55	0.15
3600.0	0.24	35.58	3595.5	-137.6	27.0	145.2	147.7	79.46	0.16
3700.0	0.32	355.20	3695.5	-137.7	27.5	145.3	147.8	79.30	0.21
3800.0	0.07	24.12	3795.5	-137.6	27.8	145.3	147.9	79.17	0.26
3900.0	0.05	50.08	3895.5	-137.6	27.9	145.3	148.0	79.14	0.03
4000.0	0.05	125.39	3995.5	-137.7	27.9	145.4	148.0	79.15	0.06
4100.0	0.13	206.85	4095.5	-137.7	27.7	145.4	148.0	79.19	0.13
4200.0	0.16	178.46	4195.5	-137.7	27.5	145.3	147.9	79.28	0.08
4300.0	0.13	138.94	4295.5	-137.8	27.3	145.4	147.9	79.37	0.10
4400.0	0.12	153.41	4395.5	-138.0	27.1	145.5	148.0	79.45	0.03
4500.0	0.16	172.06	4495.5	-138.1	26.9	145.6	148.1	79.54	0.06
4600.0	0.27	157.38	4595.5	-138.3	26.5	145.7	148.1	79.69	0.12
4700.0	0.22	130.02	4695.5	-138.6	26.2	145.9	148.3	79.83	0.13

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC.
Field: West Dollarhide Drinkard
Site: Lea County, NM
Well: WDDU #115H
Wellpath: VH - Job #32K0202070

Date: 4/3/2002 **Time:** 08:52:02 **Page:** 2
Co-ordinate(N/E) 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, 280.7Azi)
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	DLS deg/100ft
4800.0	0.21	137.77	4795.5	-138.9	25.9	146.2	148.5	79.95	0.03
4900.0	0.24	148.90	4895.5	-139.2	25.6	146.4	148.7	80.08	0.05
5000.0	0.10	173.35	4995.5	-139.3	25.3	146.6	148.7	80.19	0.15
5100.0	0.20	228.27	5095.5	-139.3	25.1	146.4	148.6	80.26	0.16
5200.0	0.10	229.03	5195.5	-139.1	25.0	146.2	148.4	80.32	0.10
5300.0	0.15	276.63	5295.5	-138.9	24.9	146.1	148.2	80.32	0.11
5400.0	0.33	268.71	5395.5	-138.5	24.9	145.6	147.8	80.29	0.18
5500.0	0.47	288.51	5495.5	-137.8	25.0	145.0	147.1	80.20	0.19
5600.0	0.55	270.14	5595.5	-136.9	25.2	144.1	146.3	80.09	0.18
5700.0	0.48	266.11	5695.5	-136.1	25.2	143.2	145.4	80.04	0.08
5800.0	0.48	287.49	5795.5	-135.2	25.3	142.4	144.6	79.94	0.18
5900.0	0.47	284.31	5895.5	-134.4	25.5	141.6	143.9	79.80	0.03
6000.0	0.66	284.72	5995.5	-133.4	25.7	140.6	143.0	79.63	0.19
6100.0	0.78	216.29	6095.5	-132.6	25.3	139.7	141.9	79.72	0.82
6200.0	1.10	205.63	6195.5	-132.0	23.9	138.8	140.9	80.23	0.36
6300.0	1.12	199.63	6295.4	-131.6	22.1	138.1	139.9	80.90	0.12
6316.0	1.14	198.31	6311.4	-131.6	21.8	138.0	139.7	81.01	0.21

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC.
 Field: West Dollarhide Drinkard
 Site: Lea County, NM
 Well: WDDU #115H
 Wellpath: DH - Job #32D0202069

Date: 4/3/2002 Time: 09:04:08 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,280.7Azi)
 Survey Calculation Method: Minimum Curvature

Survey: 2/27/02-3/7/02
 MWD 6338'-8364'

Start Date: 4/3/2002

Company: SDI w/MWD
 Tool: MWD

Engineer: Lamb/Hendrix

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
6316.0	1.14	198.31	6311.4	-131.6	21.8	138.0	139.7	81.01	0.00
6338.0	1.14	198.31	6333.4	-131.5	21.4	137.9	139.5	81.17	0.00
6393.0	24.50	273.60	6386.7	-119.9	21.6	126.1	128.0	80.28	44.06
6424.0	38.30	272.00	6413.1	-104.0	22.4	110.0	112.3	78.52	44.59
6455.0	51.30	272.50	6435.1	-82.4	23.2	88.3	91.3	75.26	41.95
6485.0	64.70	274.50	6451.0	-57.2	24.8	62.9	67.6	68.49	45.02
6516.0	75.30	276.90	6461.5	-28.3	27.7	34.0	43.9	50.81	34.96
6547.0	81.60	277.30	6467.7	2.0	31.5	3.9	31.7	7.00	20.36
6579.0	88.20	277.50	6470.6	33.8	35.6	-27.7	45.1	322.06	20.63
6611.0	94.90	276.60	6469.7	65.7	39.5	-59.5	71.4	303.59	21.13
6642.0	96.30	272.60	6466.7	96.4	42.0	-90.2	99.5	294.95	13.61
6673.0	96.70	272.70	6463.2	126.9	43.4	-121.0	128.5	289.73	1.33
6705.0	96.60	269.80	6459.5	158.3	44.1	-152.7	159.0	286.10	9.01
6736.0	96.70	269.70	6455.9	188.5	43.9	-183.5	188.7	283.47	0.45
6768.0	95.10	268.90	6452.6	219.7	43.6	-215.4	219.7	281.43	5.58
6800.0	95.30	268.80	6449.7	250.9	42.9	-247.2	250.9	279.85	0.70
6832.0	95.60	268.40	6446.7	282.0	42.1	-279.1	282.2	278.59	1.56
6863.0	96.00	268.00	6443.5	312.2	41.2	-309.9	312.6	277.57	1.82
6895.0	97.10	267.50	6439.9	343.1	39.9	-341.7	344.0	276.67	3.77
6926.0	95.60	268.60	6436.4	373.2	38.9	-372.5	374.5	275.96	5.99
6958.0	95.90	267.90	6433.2	404.3	37.9	-404.3	406.0	275.36	2.37
6989.0	96.20	269.30	6430.0	434.4	37.2	-435.1	436.7	274.88	4.59
7021.0	97.10	268.80	6426.3	465.6	36.6	-466.9	468.3	274.49	3.21
7052.0	95.90	272.40	6422.8	495.9	36.9	-497.7	499.0	274.25	12.17
7083.0	94.40	274.20	6420.0	526.5	38.7	-528.5	529.9	274.19	7.54
7114.0	94.20	278.00	6417.7	557.3	42.0	-559.2	560.8	274.30	12.24
7146.0	94.10	280.80	6415.3	589.2	47.2	-590.7	592.6	274.57	8.73
7176.0	96.00	283.50	6412.7	619.1	53.5	-619.9	622.2	274.93	10.98
7209.0	96.70	286.60	6409.0	651.8	62.0	-651.6	654.5	275.44	9.57
7241.0	98.10	291.60	6404.9	683.2	72.4	-681.6	685.4	276.06	16.10
7272.0	99.00	292.20	6400.3	713.2	83.8	-710.0	714.9	276.73	3.48
7304.0	99.80	292.20	6395.1	744.2	95.8	-739.2	745.4	277.38	2.50
7335.0	99.10	290.00	6390.0	774.2	106.8	-767.8	775.1	277.92	7.36
7366.0	96.80	287.50	6385.7	804.6	116.6	-796.8	805.3	278.33	10.90
7398.0	96.20	282.60	6382.1	836.3	124.9	-827.5	836.9	278.58	15.33
7429.0	96.80	281.30	6378.6	867.1	131.3	-857.7	867.6	278.70	4.59
7460.0	97.40	281.20	6374.7	897.9	137.3	-887.8	898.4	278.79	1.96
7492.0	97.40	281.40	6370.6	929.6	143.5	-918.9	930.1	278.87	0.62
7523.0	94.80	282.20	6367.3	960.4	149.8	-949.1	960.9	278.97	8.77
7555.0	94.90	282.00	6364.6	992.3	156.5	-980.3	992.7	279.07	0.70
7587.0	95.30	281.70	6361.8	1024.2	163.0	-1011.5	1024.5	279.16	1.56
7618.0	95.10	281.70	6359.0	1055.0	169.3	-1041.7	1055.4	279.23	0.65
7650.0	96.10	281.40	6355.8	1086.9	175.7	-1072.9	1087.2	279.30	3.26
7681.0	97.50	282.00	6352.2	1117.7	181.9	-1103.1	1118.0	279.36	4.91
7713.0	97.50	281.70	6348.0	1149.4	188.4	-1134.1	1149.7	279.43	0.93
7744.0	98.00	281.90	6343.8	1180.1	194.7	-1164.2	1180.3	279.49	1.73
7776.0	93.40	282.10	6340.6	1211.9	201.3	-1195.3	1212.1	279.56	14.39
7806.0	89.40	282.40	6339.9	1241.9	207.7	-1224.6	1242.1	279.62	13.37

Scientific Drilling International

Survey Report

Company: TEXACO E & P INC.
Field: West Dollarhide Drinkard
Site: Lea County, NM
Well: WDDU #115H
Wellpath: DH - Job #32D0202069

Date: 4/3/2002
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,280.7Azi)
Survey Calculation Method: Minimum Curvature

Page: 2

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg	DLS deg/100ft
7837.0	84.70	281.70	6341.5	1272.8	214.1	-1254.9	1273.0	279.68	15.33
7870.0	79.40	281.20	6346.1	1305.5	220.6	-1286.9	1305.7	279.73	16.13
7902.0	73.60	280.60	6353.5	1336.6	226.5	-1317.4	1336.8	279.76	18.22
7933.0	73.40	280.30	6362.3	1366.3	231.9	-1346.7	1366.5	279.77	1.13
7965.0	74.20	280.30	6371.3	1397.1	237.4	-1376.9	1397.2	279.78	2.50
7997.0	73.70	283.50	6380.1	1427.8	243.7	-1407.0	1428.0	279.83	9.74
8028.0	74.20	283.80	6388.7	1457.5	250.8	-1435.9	1457.7	279.91	1.86
8060.0	76.10	284.20	6396.9	1488.4	258.2	-1466.0	1488.5	279.99	6.06
8090.0	76.60	284.10	6404.0	1517.5	265.4	-1494.2	1517.6	280.07	1.70
8122.0	75.50	284.20	6411.7	1548.5	273.0	-1524.3	1548.6	280.15	3.45
8153.0	75.40	284.50	6419.5	1578.5	280.4	-1553.4	1578.5	280.23	0.99
8185.0	75.20	284.30	6427.6	1609.4	288.1	-1583.4	1609.4	280.31	0.87
8217.0	74.90	284.60	6435.8	1640.2	295.8	-1613.3	1640.2	280.39	1.30
8248.0	73.90	284.50	6444.2	1670.0	303.3	-1642.2	1670.0	280.46	3.24
8280.0	73.60	284.70	6453.1	1700.6	311.1	-1672.0	1700.6	280.54	1.11
8312.0	73.60	284.10	6462.2	1731.3	318.7	-1701.7	1731.3	280.61	1.80
8364.0	73.60	284.10	6476.8	1781.1	330.8	-1750.1	1781.1	280.71	0.00



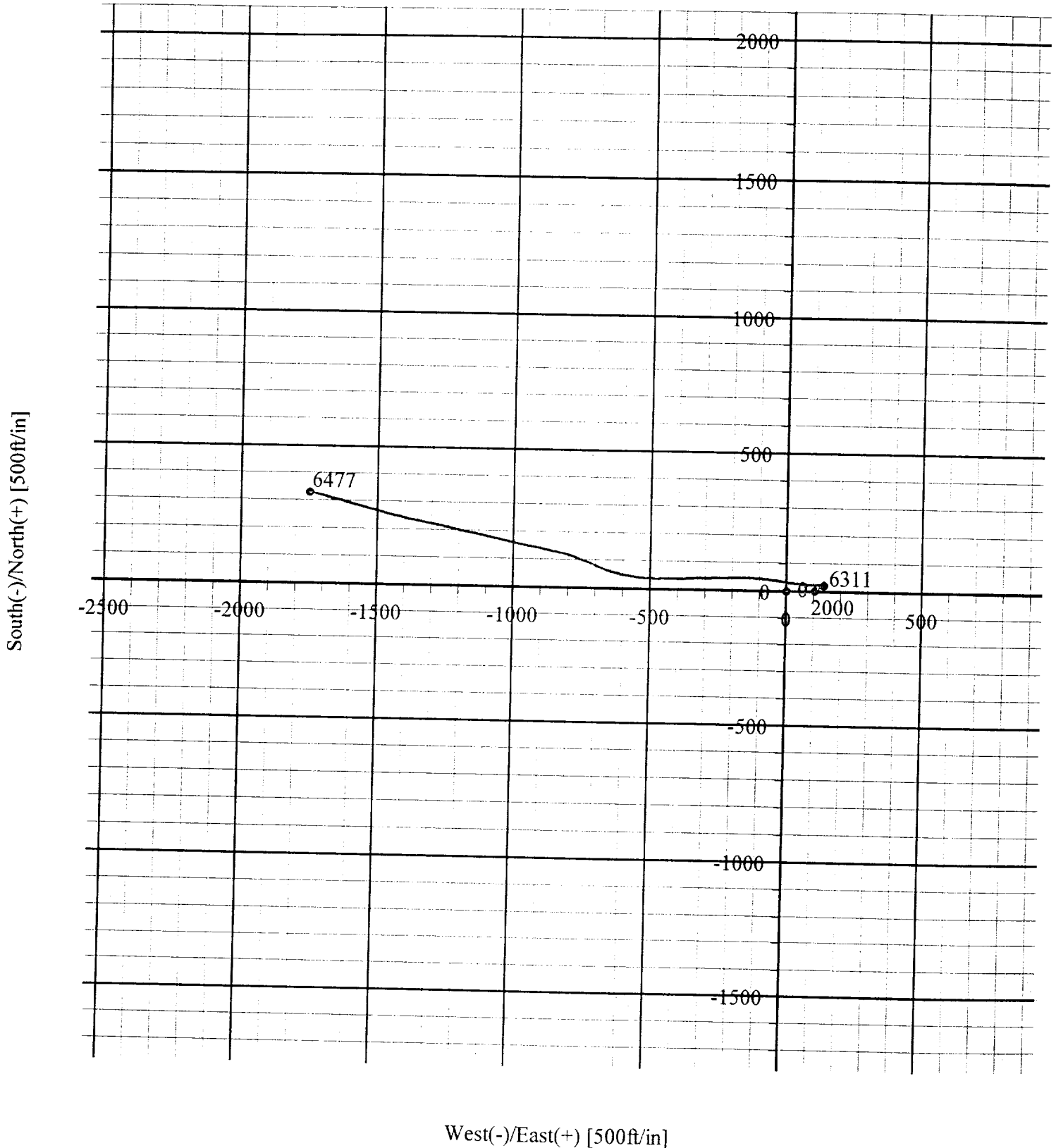
**Scientific
Drilling**

Field: West Dollarhide Drinkard
Site: Lea County, NM
Well: WDDU #115H
Wellpath: DH - Job #32D0202069
Survey: 2/27/02-3/7/02



All Angles Relative
To True North

True North: 0.00
Magnetic North: 0.00





March 18, 2002

Chevron-Texaco Corporation
P.O. Box 1150
Midland, TX 79702

Attention: Regulatory Compliance Dept.

Re: Chevron-Texaco Corporation
W.D.D.U. #115
Lea County, New Mexico
Key Energy 117

Dear Sir or Madam:

Please find attached (2) copies of MWD Survey Report for well referenced above. Please advise if MWD Services is to file survey with any agency. If so, please forward a scaled land plat and copy of API drilling permit.

Regards,

Clyde Cormier
VP-Engineering

Enclosure

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

Revised February 10, 1999

Instructions on back
Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☒ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

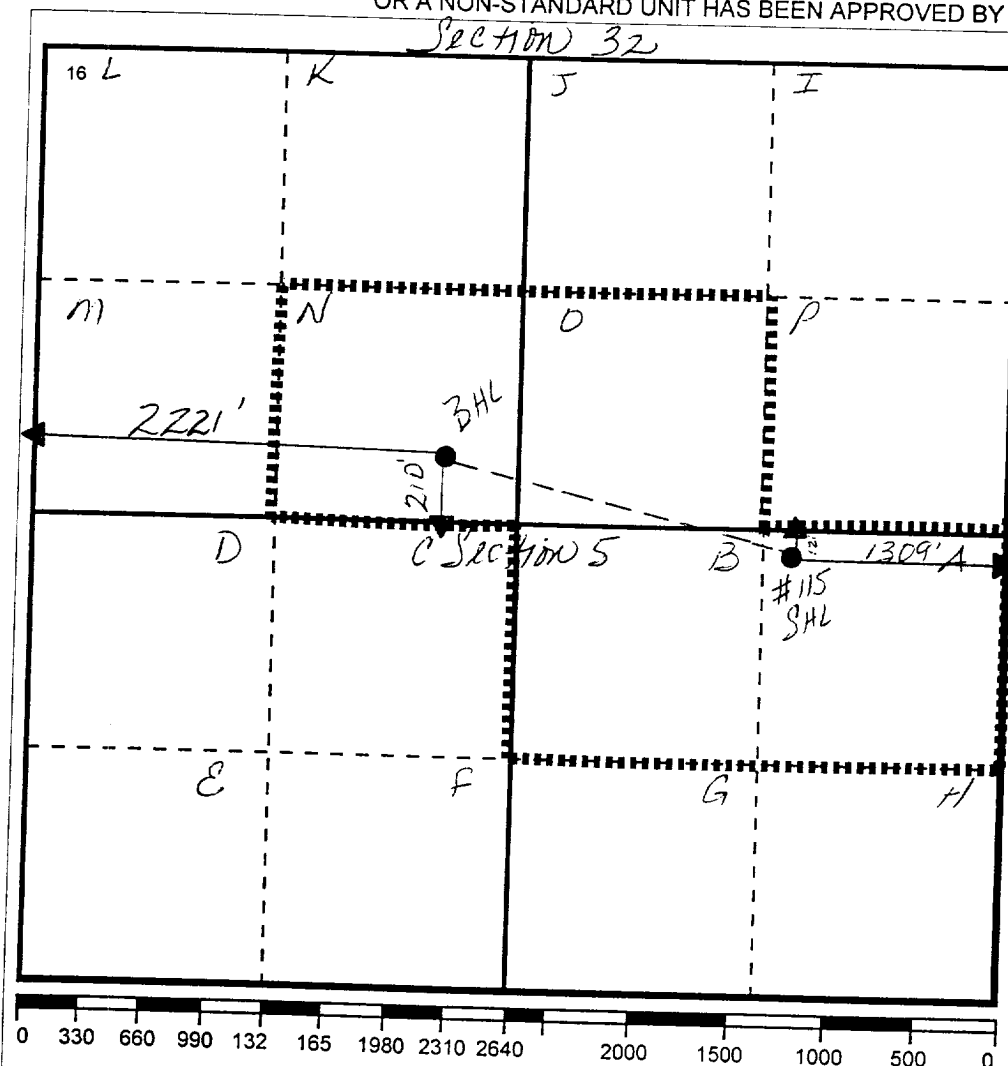
¹ API Number 3002531483	² Pool Code 18830	³ Pool Name DOLLARHIDE TUBB DRINKARD
⁴ Property Code 010926	⁵ Property Name WEST DOLLARHIDE DRINKARD UNIT	
⁷ OGRID Number 022351	⁸ Operator Name TEXACO EXPLORATION & PRODUCTION INC.	⁶ Well No. 115 ⁹ Elevation 3165'

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	5	25S	38E		121	NORTH	1309	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
N	32	24 ²⁵ S	38E		210'	SOUTH	2221'	WEST	LEA
¹² Dedicated Acre 1.60		¹³ Joint or Infill No		¹⁴ Consolidation Code		¹⁵ Order No. 3059			

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

1/9/02

18 SURVEYOR CERTIFICATIONI 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.