



March 13, 2002

Oil Conservation Division
Hobbs District Office
1625 N. French Drive
Hobbs, New Mexico 88240

SUR E-34-18s-38e, 2246/N & 597/W
BHL E-34-18s-38e, 1975/N & 9/W
API #30-025-35742

Attention: Mr. Chris Williams
District Supervisor

Re: Occidental Permian, Ltd.
South Hobbs G/SA Unit Well #244
Lea County, New Mexico
API Permit No. 30-025-35742

Enclosed please find the original and one copy of the survey(s) performed on the referenced well(s) by MWD Services, Inc. (Operator No. 519015). Other information required by your office is as follows:

Name & Title Of Surveyor(s)	Drainhole No.	Survey Depths	Date Performed	Survey Type
Cecil Miller (MWD Field Operator)	Original	1,717'-4,434'	12/18/01-12/25/01	MWD

A certified land plat on which the bottom hole location is oriented both to the surface and to the lease lines (or unit line in case of pooling) is attached to the survey report(s). If any other information is required, please contact the undersigned at the letterhead address and phone number.

Regards,


Clyde J. Cormier
VP-Engineering

Enclosures

CC: Occidental Permian, Ltd.
Scientific Drilling International, Inc.



MWD SERVICES, INC.

FIELD SURVEY CALCULATIONS

DATE PRINTED: 12/25/01 MWD.REP.: C.MILLER
 COMPANY: OXY PERMIAN, LTD. WELL NAME: SOUTH HOBBS UNIT 244
 LOCATION: LEA COUNTY, NM RIG: CAPSTAR DRILLING 6
 FILE NAME: 01170.SRV VERT.SEC.DIR.: N 65.59 W
 CALCULATION METHOD: MINIMUM CURVATURE METHOD DEPTH DATUM: RKB
 GRID CONVERGENCE: N/A MAGN.DEC.: 8.65 E MAGN.TO MAP CORR.: 8.65 E
 COMMENTS: SURVEY #0 = LIE IN SURVEY FROM SCIENTIFIC DRLG. INTL.
 SURVEY #32 = STRAIGHT LINE PROJECTED SURVEY TO WELL TD
 SURVEYS CORRECTED TO TRUE NORTH

===== MWD SURVEY PROGRAM Ver: 3.10 PC (4-Jun-87) =====

Date: 12/25/2001 Time: 15:32:22 PAGE: 1
 Filename: "01170.SRV" Description: "South Hobbs G/SA Unit 244"
 Target Coordinates: 266.4 N 587.0 W Target TVD: 4327.300
 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)	DOGLEG SEVERITY DG/100FT
0	1675.0	1.15	146.220	0.0	1674.9	-3.4	3.1 N 5.1 E	0.00
1	1717.0	1.20	189.500	42.0	1716.9	-3.8	2.3 N 5.3 E	2.07
2	1809.0	1.10	193.400	92.0	1808.9	-4.3	0.5 N 4.9 E	0.14
3	1902.0	0.90	174.900	93.0	1901.9	-4.8	1.1 S 4.8 E	0.41
4	1995.0	1.20	157.300	93.0	1994.9	-5.9	2.7 S 5.2 E	0.47
5	2088.0	0.90	244.300	93.0	2087.9	-6.1	4.0 S 4.9 E	1.57
6	2182.0	1.30	287.800	94.0	2181.8	-4.6	4.0 S 3.2 E	0.95
7	2272.0	2.20	290.300	90.0	2271.8	-1.8	3.0 S 0.6 E	1.00
8	2365.0	5.30	296.800	93.0	2364.6	4.2	0.5 S 4.9 W	3.36
9	2458.0	9.10	296.600	93.0	2456.8	15.9	4.7 N 15.3 W	4.09
10	2551.0	12.40	291.100	93.0	2548.2	33.2	11.6 N 31.2 W	3.71
11	2646.0	15.40	291.400	95.0	2640.4	56.0	19.9 N 52.4 W	3.16
12	2740.0	18.30	291.200	94.0	2730.4	83.2	29.8 N 77.8 W	3.09
13	2832.0	20.70	290.200	92.0	2817.1	113.6	40.6 N 106.6 W	2.63
14	2925.0	19.90	292.000	93.0	2904.3	146.0	52.2 N 136.7 W	1.09
15	3018.0	19.90	291.100	93.0	2991.7	127.7	63.9 N 166.1 W	0.33
16	3109.0	19.30	292.900	91.0	3077.5	208.1	75.3 N 194.4 W	0.94
17	3198.0	18.80	294.100	89.0	3161.6	237.2	86.9 N 221.0 W	0.71
18	3290.0	19.70	294.000	92.0	3248.5	267.5	99.2 N 248.7 W	0.98
19	3350.0	19.00	294.500	60.0	3305.1	287.4	107.4 N 266.9 W	1.20
20	3444.0	20.00	294.800	94.0	3393.7	318.8	120.5 N 295.4 W	1.07
21	3536.0	19.30	293.900	92.0	3480.3	349.7	133.3 N 323.6 W	0.83
22	3598.0	18.70	296.600	68.0	3539.9	369.9	141.9 N 341.8 W	1.72
23	3692.0	18.90	300.400	94.0	3627.9	400.1	156.3 N 368.4 W	1.32
24	3754.0	19.60	300.400	62.0	3686.5	420.4	166.7 N 386.1 W	1.13
25	3846.0	19.40	298.600	92.0	3773.2	451.0	181.8 N 412.8 W	0.69
26	3941.0	19.30	299.900	95.0	3862.8	482.4	197.2 N 440.2 W	0.47
27	4032.0	19.20	295.700	91.0	3948.7	512.3	211.1 N 466.8 W	1.53
28	4126.0	19.20	295.100	94.0	4037.5	543.2	224.4 N 494.7 W	0.21
29	4218.0	19.30	296.400	82.0	4124.4	573.5	237.6 N 522.0 W	0.48
30	4280.0	19.60	296.900	62.0	4182.8	594.2	246.8 N 540.5 W	0.55
31	4341.0	19.90	296.700	61.0	4240.2	614.8	256.1 N 558.9 W	0.50
32	4434.0	19.90	296.700	93.0	4327.7	646.4	270.4 N 587.1 W	0.00

--- Final Closure Direction: 294.724
 --- Final Closure Distance: 646.393 feet

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-35742	Pool Code 31920	Pool Name HOBBS;GRAYBURG - SAN ANDRES
Property Code 19552	Property Name SOUTH HOBBS (GSA) UNIT	Well Number 244
OGRID No. 157984	Operator Name Occidental Permian Limited Partnership	Elevation 3635

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	34	18 S	38 E		2246	NORTH	597	WEST	LEA

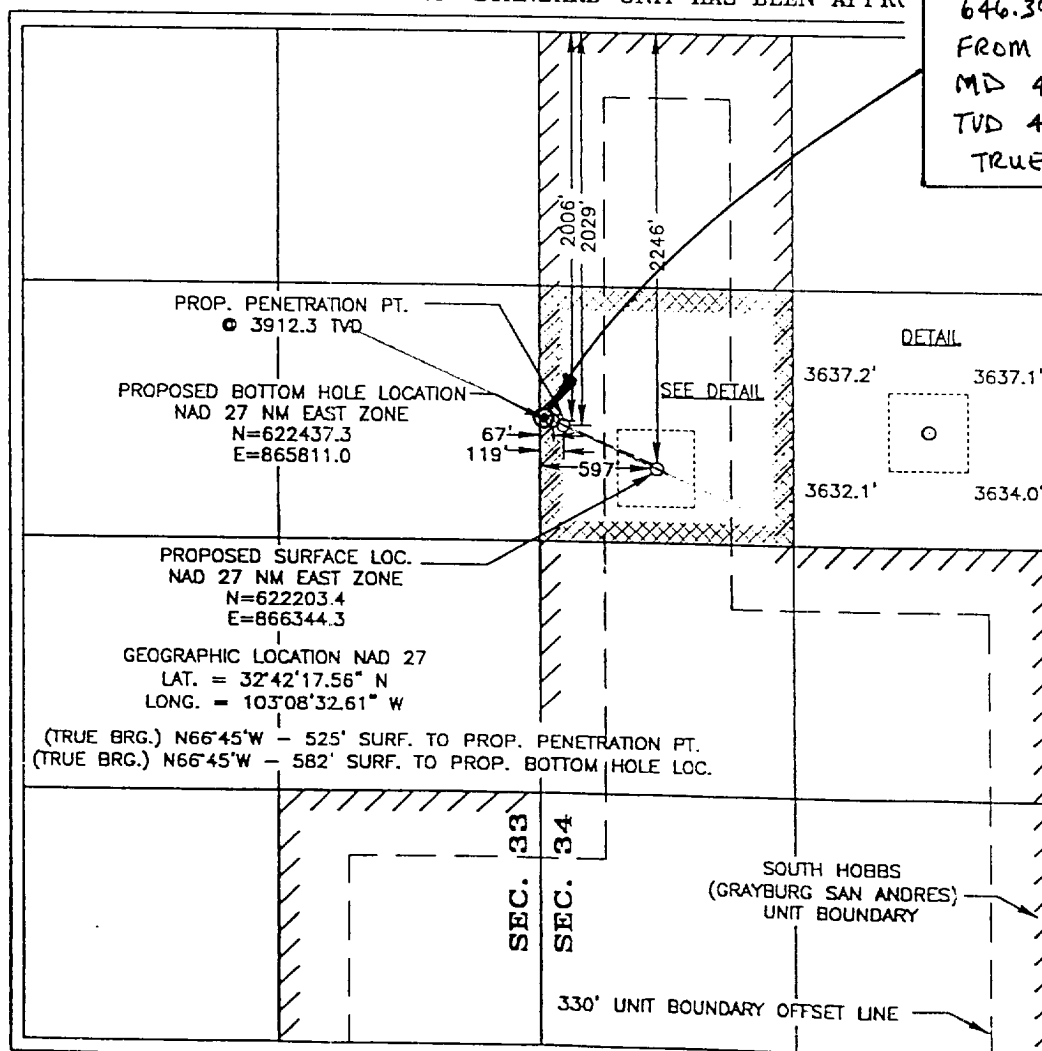
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	34	18 S	38 E		2006	NORTH	67	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40	I		NSL-4

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL
OR A NON-STANDARD UNIT HAS BEEN APPROVED

MWD BOTTOM HOLE LOCATION
646.39' AT 294.724 AZIMUTH
FROM SURFACE HOLE LOCATION
MD 4434.0' NORTH 270.4'
TVD 4327.7' WEST 587.1'
TRUE NORTH REFERENCE



Signature
Mark Stephens
Printed Name
Business Analyst (SG)
Title
October 15, 2001
Date

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 belief.

APRIL 11, 2001

Date Surveyed
Signature & Seal of Professional Surveyor
NEW MEXICO
Professional Surveyor
5/1/01
01-11-0455

Certification No. **RONALD J. EIDSON 3239**
PATRICIA EIDSON 12641

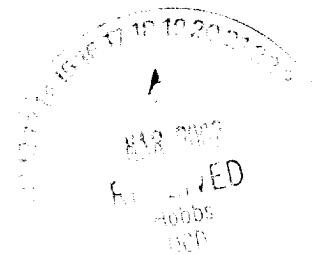


MWD Survey Certification

State of New Mexico
County of Lea

I, Cecil Miller, certify that; I am employed by MWD Services, Inc.; that I did on the day(s) of 12/18/01 through 12/25/01 conduct or supervise the taking of MWD survey(s) from a depth of 1,717 feet to a depth of 4,434 feet; that the data is true, correct, complete and within the limitations of the tool set forth by MWD Services, Inc.; that I am authorized and qualified to make this report; that this report was conducted at the request of Occidental Permian, Ltd., for the South Hobbs G/SA Unit Well #244, API No. 30-025-35742 and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by MWD Services, Inc.

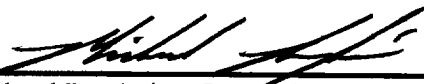
Cecil Miller
MWD Field Operator



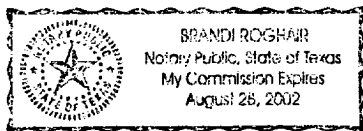
Oxy Permian LTD
P.O. Box 4294
Houston, Texas 77210-4294

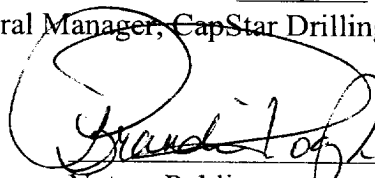
South Hobbs Unit # 244
Lea County, NM

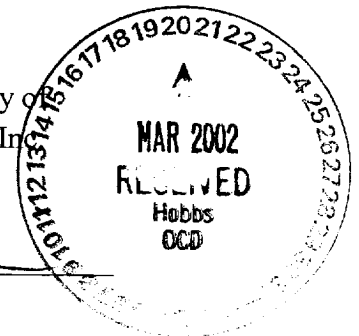
287	2.87	1/4	0.44	1.26	1.26
783	7.83	3/4	1.31	10.28	10.28
1282	12.82	3/4	1.31	16.83	16.83
1560	15.60	1	1.75	27.30	27.30

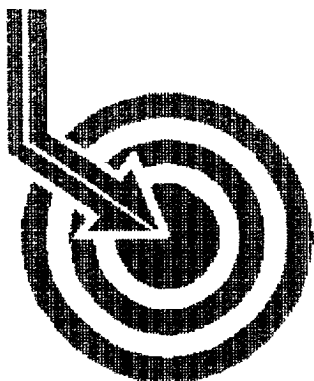

Michael Roghair - General Manager

The attached instrument was acknowledged before me on the 31 day of December, 2001 by Michael Roghair - General Manager, CapStar Drilling, Inc.




Notary Public





Scientific Drilling

OXY PERMIAN

Field: South Hobbs
Site: Lea County, NM
Well: SHU #244
Wellpath: DH - Job #32D1201655
Survey: 12/17/01-12/25/01

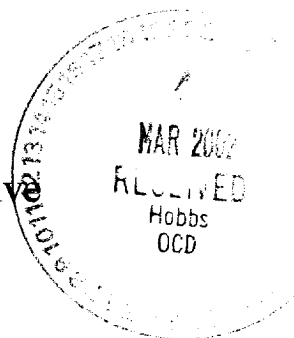
This survey is correct to the best of my knowledge
and is supported by actual field data.

Paul M. Mundy.....Company Representative

Notorized this date 16th of January, 2002.

Deborah S. Bynum
Notary Signature

County of Midland
State of Texas



Scientific Drilling International Survey Report

Company: OXY PERMIAN
Field: South Hobbs
Site: Lea County, NM
Well: SHU #244
Wellpath: VH - Job 332K1201657

Date: 1/15/2002 Time: 16:41:45 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,294.4Azi)
Survey Calculation Method: Minimum Curvature

Survey: 12/18/01
KSRG 0'-1675'

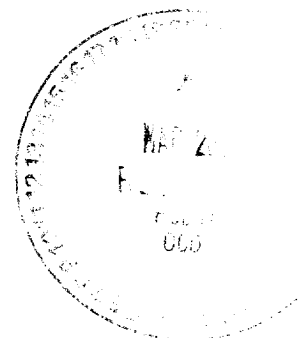
Start Date: 1/15/2002

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
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00
100.0	0.67	13.68	100.0	0.1	0.6	0.1	0.6	13.68
200.0	0.79	11.08	200.0	0.4	1.8	0.4	1.9	12.72
300.0	0.82	22.43	300.0	0.6	3.2	0.8	3.3	14.50
400.0	0.70	23.96	400.0	0.6	4.4	1.3	4.6	16.99
500.0	0.30	32.80	500.0	0.6	5.1	1.7	5.4	18.53
600.0	0.23	20.39	600.0	0.5	5.6	1.9	5.9	19.22
700.0	0.41	358.13	700.0	0.7	6.1	2.0	6.4	18.11
800.0	0.44	358.60	800.0	1.0	6.8	2.0	7.1	16.09
900.0	0.24	350.22	900.0	1.3	7.4	1.9	7.7	14.55
1000.0	0.17	338.35	1000.0	1.5	7.8	1.8	8.0	13.30
1100.0	0.32	160.27	1100.0	1.5	7.7	1.9	7.9	13.79
1200.0	0.25	131.09	1200.0	1.0	7.2	2.1	7.6	16.43
1300.0	0.45	151.64	1300.0	0.5	6.8	2.5	7.2	20.21
1400.0	0.44	130.59	1400.0	-0.2	6.2	3.0	6.8	25.70
1500.0	0.77	148.61	1499.9	-1.1	5.3	3.6	6.4	34.05
1600.0	0.84	146.09	1599.9	-2.3	4.2	4.4	6.0	46.41
1675.0	1.15	146.22	1674.9	-3.4	3.1	5.1	5.9	58.87



Scientific Drilling International

Survey Report

Company: OXY PERMIAN
Field: South Hobbs
Site: Lea County, NM
Well: SHU #244
Wellpath: DH - Job #32D1201655

Date: 1/15/2002 **Time:** 16:45:25 **Page:** 1
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,294.4Azi)
Survey Calculation Method: Minimum Curvature

Survey: 12/17/01-12/25/01
 MWD 1717'-4434'

Start Date: 1/15/2002

Company: SDI w/MWD Services
Tool: MWD

Engineer: Brusenhan/Hendrix

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
1675.0	1.15	146.22	1674.9	-3.4	3.1	5.1	5.9	58.87
1717.0	1.20	189.50	1716.9	-3.8	2.3	5.3	5.7	66.43
1809.0	1.10	193.40	1808.9	-4.3	0.5	4.9	4.9	84.37
1902.0	0.90	174.90	1901.9	-4.8	-1.1	4.7	4.9	103.20
1995.0	1.20	157.30	1994.9	-5.9	-2.7	5.2	5.9	117.83
2088.0	0.90	244.30	2087.9	-6.1	-4.0	4.9	6.3	128.87
2182.0	1.30	287.80	2181.8	-4.6	-3.9	3.2	5.1	140.75
2272.0	2.20	290.30	2271.8	-1.8	-3.0	0.6	3.1	168.21
2365.0	5.30	296.80	2364.6	4.2	-0.5	-4.9	4.9	264.37
2458.0	9.10	296.60	2456.8	15.9	4.8	-15.3	16.0	287.26
2551.0	12.40	291.10	2548.2	33.2	11.6	-31.2	33.3	290.47
2646.0	15.40	291.40	2640.4	56.0	19.9	-52.5	56.1	290.79
2740.0	18.30	291.20	2730.4	83.2	29.8	-77.8	83.3	290.96
2832.0	20.70	290.20	2817.1	113.8	40.6	-106.6	114.1	290.88
2925.0	19.90	292.00	2904.3	146.0	52.3	-136.7	146.3	290.92
3018.0	19.90	291.10	2991.7	177.7	63.9	-166.1	178.0	291.04
3109.0	19.30	292.90	3077.5	208.2	75.3	-194.4	208.5	291.17
3198.0	18.80	294.10	3161.6	237.2	86.9	-221.1	237.5	291.46
3290.0	19.70	294.00	3248.5	267.5	99.2	-248.7	267.8	291.75
3350.0	19.00	294.50	3305.1	287.4	107.4	-266.9	287.7	291.92
3444.0	20.00	294.80	3393.7	318.8	120.5	-295.4	319.0	292.19
3536.0	19.30	293.90	3480.3	349.7	133.3	-323.6	349.9	292.38
3598.0	18.70	296.60	3538.9	369.9	141.9	-341.8	370.1	292.54
3692.0	18.90	300.40	3627.9	400.1	156.3	-368.4	400.2	292.99
3754.0	19.60	300.40	3686.5	420.4	166.7	-386.1	420.5	293.35
3846.0	19.40	298.60	3773.2	451.0	181.8	-412.8	451.0	293.77
3941.0	19.30	299.90	3862.8	482.4	197.2	-440.3	482.4	294.12
4032.0	19.20	295.70	3948.7	512.3	211.1	-466.8	512.3	294.34
4126.0	19.20	295.10	4037.5	543.2	224.4	-494.7	543.2	294.40
4218.0	19.30	296.40	4124.4	573.5	237.6	-522.0	573.5	294.47
4280.0	19.60	296.90	4182.8	594.2	246.8	-540.5	594.2	294.55
4341.0	19.90	296.70	4240.2	614.8	256.1	-558.9	614.8	294.62
4434.0	19.90	296.70	4327.7	646.4	270.4	-587.1	646.4	294.72