

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED

AUG 24 2010

NMOCD ARTESIA

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease- 4 Copies

Fee Lease- 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- 37339	Pool Code 53815	Pool Name Sand Dunes Delaware West
Property Code 304898	Property Name MOBIL FEDERAL	Well Number 9
OGRID No. 16694	Operator Name OXY USA INC.	Elevation 3344.7'

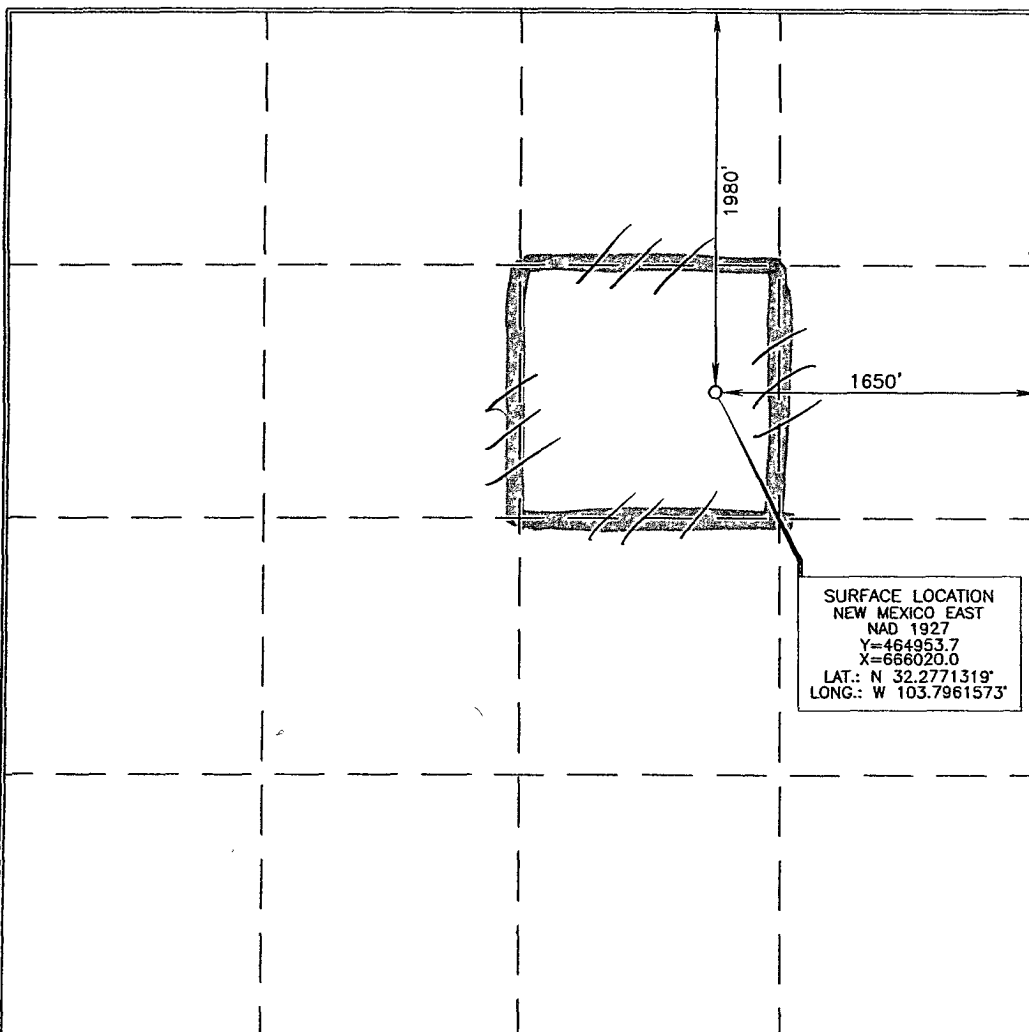
Surface Location

UL or lot no. G	Section 29	Township 23 SOUTH	Range 31 EAST, N.M.P.M.	Lot Idn.	Feet from the 1980'	North/South line NORTH	Feet from the 1650'	East/West line EAST	County EDDY
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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
Dedicated Acres 40	Joint or Infill N	Consolidation Code	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.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

David Stewart
Signature Date

David Stewart
Printed Name

SURVEYOR CERTIFICATION

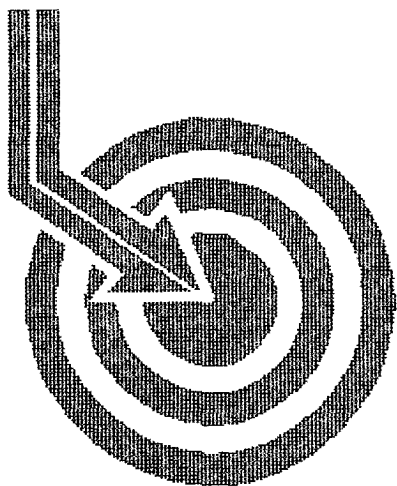
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

15079
AUGUST 28, 2008
Date of Survey

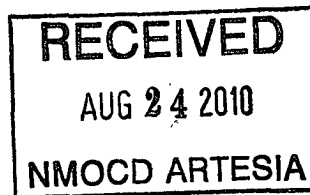
Signature of Professional Surveyor

Terry J. Abel
Certificate Number 15079

WO# 080828WL-c (KA)



Scientific Drilling



30-015-37339

OCCIDENTAL PERMIAN LTD.

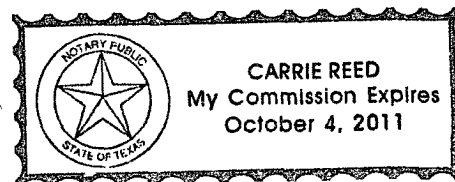
Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Mobil Federal #9
Wellpath: VH - Job #32K0510359
Survey: 05/13/10

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

[Signature]
Company Representative

Notarized this date 21st of June, 2010.

[Signature]
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD. Date: 5/18/2010 Time: 19:32:45 Page: 1
 Field: San Dunes Delaware West Co-ordinate(NE) Reference: Site: Eddy County, NM; Grid North
 Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
 Well: Mobil Federal #9 Section (VS) Reference: Well (0.00N;0.00E;250.72Azi)
 Wellpath: VH - Job #32K0510359 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 05/13/10 Start Date: 5/13/2010
 Company: Scientific Drilling Internatio Engineer: Guebara/Renteria/Williams
 Tool: Keeper, Keeper Surface Readout Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
50.0	0.13	134.35	50.0	0.0	0.0	0.0	0.26	0.1	134.35
100.0	0.26	134.35	100.0	-0.1	-0.2	0.2	0.26	0.2	134.35
150.0	0.25	141.53	150.0	-0.2	-0.3	0.3	0.07	0.4	136.09
200.0	0.30	133.70	200.0	-0.3	-0.5	0.5	0.12	0.7	136.50
250.0	0.36	118.80	250.0	-0.4	-0.7	0.7	0.21	1.0	133.30
300.0	0.24	135.96	300.0	-0.6	-0.8	0.9	0.30	1.2	131.69
350.0	0.43	128.16	350.0	-0.7	-1.0	1.1	0.39	1.5	131.55
400.0	0.36	123.59	400.0	-0.9	-1.2	1.4	0.15	1.9	130.54
450.0	0.31	121.25	450.0	-1.1	-1.4	1.7	0.10	2.2	129.45
500.0	0.32	120.98	500.0	-1.3	-1.5	1.9	0.02	2.4	128.51
550.0	0.28	126.00	550.0	-1.5	-1.7	2.1	0.10	2.7	128.00
600.0	0.32	103.95	600.0	-1.6	-1.8	2.3	0.24	2.9	126.81
650.0	0.41	114.87	650.0	-1.9	-1.9	2.6	0.23	3.2	125.20
700.0	0.34	111.36	700.0	-2.1	-2.0	2.9	0.15	3.6	124.11
750.0	0.50	114.18	750.0	-2.4	-2.1	3.3	0.32	3.9	123.08
800.0	0.37	119.46	800.0	-2.7	-2.3	3.6	0.27	4.3	122.49
850.0	0.32	124.56	850.0	-2.8	-2.5	3.9	0.12	4.6	122.45
900.0	0.36	120.97	900.0	-3.0	-2.6	4.1	0.09	4.9	122.46
950.0	0.40	111.67	950.0	-3.3	-2.8	4.4	0.15	5.2	122.06
1000.0	0.28	114.94	1000.0	-3.5	-2.9	4.7	0.24	5.5	121.58
1050.0	0.42	108.70	1050.0	-3.7	-3.0	5.0	0.29	5.8	121.03
1100.0	0.40	114.39	1100.0	-4.0	-3.1	5.3	0.09	6.2	120.48
1150.0	0.56	111.36	1150.0	-4.3	-3.3	5.7	0.32	6.6	119.98
1200.0	0.63	119.03	1200.0	-4.7	-3.5	6.2	0.21	7.1	119.65
1250.0	0.47	129.27	1250.0	-5.0	-3.8	6.6	0.37	7.6	119.89
1300.0	0.43	128.35	1300.0	-5.2	-4.0	6.9	0.08	8.0	120.33
1350.0	0.39	133.36	1350.0	-5.3	-4.3	7.1	0.11	8.3	120.77
1400.0	0.37	142.48	1400.0	-5.5	-4.5	7.4	0.13	8.6	121.41
1450.0	0.28	149.71	1450.0	-5.5	-4.7	7.5	0.20	8.9	122.16
1500.0	0.40	147.56	1500.0	-5.6	-5.0	7.7	0.24	9.2	122.98
1550.0	0.35	165.44	1550.0	-5.6	-5.3	7.8	0.25	9.4	124.05
1600.0	0.28	219.17	1600.0	-5.5	-5.5	7.8	0.58	9.5	125.39
1650.0	0.31	163.80	1650.0	-5.4	-5.7	7.7	0.55	9.6	126.61
1700.0	0.24	205.54	1700.0	-5.3	-6.0	7.7	0.41	9.8	127.69
1750.0	0.26	177.01	1750.0	-5.2	-6.2	7.7	0.25	9.9	128.79
1800.0	0.29	184.91	1800.0	-5.1	-6.4	7.7	0.10	10.0	129.87
1850.0	0.35	167.70	1850.0	-5.1	-6.7	7.7	0.23	10.2	130.98
1900.0	0.33	204.78	1900.0	-4.9	-7.0	7.7	0.43	10.4	132.25
1950.0	0.36	225.18	1950.0	-4.7	-7.2	7.5	0.25	10.4	133.87
2000.0	0.32	249.21	2000.0	-4.4	-7.4	7.3	0.29	10.4	135.43
2050.0	0.44	276.68	2050.0	-4.1	-7.4	6.9	0.43	10.2	136.83
2100.0	0.73	287.12	2100.0	-3.7	-7.3	6.5	0.62	9.7	138.49
2150.0	0.69	282.83	2150.0	-3.2	-7.1	5.9	0.13	9.2	140.61
2200.0	1.05	268.43	2199.9	-2.5	-7.1	5.1	0.84	8.7	144.20
2250.0	1.18	266.64	2249.9	-1.5	-7.1	4.1	0.27	8.2	149.88
2300.0	1.36	265.88	2299.9	-0.5	-7.2	3.0	0.36	7.8	157.19
2350.0	1.35	268.16	2349.9	0.7	-7.3	1.8	0.11	7.5	165.74
2400.0	1.17	260.90	2399.9	1.7	-7.4	0.8	0.48	7.4	174.17



Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD.
Field: San Dunes Delaware West
Site: Eddy County, NM
Well: Mobil Federal #9
Wellpath: VH Job #32K0510359

Date: 5/18/2010 Time: 19:32:45 Page: 2
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,250.72Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2450.0	0.91	267.91	2449.9	2.6	-7.4	-0.2	0.58	7.4	181.16
2500.0	0.58	268.68	2499.9	3.2	-7.5	-0.8	0.66	7.5	186.12
2550.0	0.57	277.08	2549.9	3.7	-7.4	-1.3	0.17	7.6	189.91
2600.0	0.47	286.32	2599.9	4.1	-7.4	-1.7	0.26	7.6	193.34
2650.0	0.41	285.11	2649.9	4.4	-7.2	-2.1	0.12	7.6	196.25
2700.0	0.37	275.82	2699.9	4.7	-7.2	-2.4	0.15	7.6	198.80
2750.0	0.50	278.91	2749.9	5.0	-7.1	-2.8	0.26	7.7	201.58
2800.0	0.50	285.55	2799.9	5.4	-7.0	-3.2	0.12	7.8	204.76
2850.0	0.58	279.19	2849.9	5.8	-6.9	-3.7	0.20	7.9	208.10
2900.0	0.43	264.88	2899.9	6.2	-6.9	-4.1	0.39	8.1	210.92
2950.0	0.51	263.62	2949.9	6.6	-7.0	-4.6	0.16	8.3	213.18
3000.0	0.52	275.09	2999.9	7.0	-7.0	-5.0	0.21	8.6	215.67
3050.0	0.40	267.64	3049.9	7.4	-7.0	-5.4	0.27	8.8	217.83
3100.0	0.39	260.43	3099.9	7.7	-7.0	-5.7	0.10	9.0	219.41
3150.0	0.43	264.75	3149.9	8.1	-7.0	-6.1	0.10	9.3	220.92
3200.0	0.33	281.80	3199.9	8.4	-7.0	-6.4	0.30	9.5	222.46
3250.0	0.18	269.34	3249.9	8.6	-7.0	-6.6	0.32	9.6	223.53
3300.0	0.10	269.06	3299.9	8.7	-7.0	-6.8	0.16	9.7	224.05
3350.0	0.15	65.37	3349.9	8.7	-7.0	-6.8	0.49	9.7	224.09
3400.0	0.52	101.07	3399.9	8.4	-7.0	-6.5	0.82	9.5	222.80
3450.0	0.71	114.32	3449.9	8.0	-7.2	-6.0	0.47	9.3	219.81
3500.0	0.68	117.20	3499.9	7.6	-7.4	-5.4	0.09	9.2	216.14
3550.0	0.70	101.94	3549.9	7.1	-7.6	-4.9	0.37	9.0	212.51
3600.0	0.78	120.58	3599.8	6.6	-7.9	-4.3	0.50	8.9	208.49
3650.0	0.82	125.53	3649.8	6.2	-8.2	-3.7	0.16	9.0	204.07
3700.0	0.84	117.39	3699.8	5.7	-8.6	-3.1	0.24	9.1	199.57
3750.0	0.66	125.84	3749.8	5.3	-8.9	-2.5	0.42	9.3	195.63
3800.0	0.51	139.66	3799.8	5.1	-9.3	-2.1	0.41	9.5	192.89
3850.0	0.38	156.21	3849.8	5.0	-9.6	-1.9	0.36	9.8	191.27
3900.0	0.51	128.31	3899.8	4.8	-9.9	-1.7	0.50	10.0	189.60
3950.0	0.61	136.11	3949.8	4.6	-10.2	-1.3	0.25	10.3	187.32
4000.0	0.51	146.15	3999.8	4.5	-10.6	-1.0	0.28	10.7	185.42
4050.0	0.40	143.07	4049.8	4.3	-10.9	-0.8	0.23	11.0	184.07
4100.0	0.27	148.18	4099.8	4.3	-11.2	-0.6	0.27	11.2	183.13
4150.0	0.26	247.78	4149.8	4.4	-11.3	-0.7	0.81	11.3	183.31
4200.0	0.23	265.01	4199.8	4.6	-11.4	-0.9	0.16	11.4	184.32
4250.0	0.12	231.24	4249.8	4.7	-11.4	-1.0	0.29	11.4	185.01
4300.0	0.19	260.57	4299.8	4.8	-11.5	-1.1	0.21	11.5	185.59
4350.0	0.20	334.59	4349.8	4.9	-11.4	-1.2	0.47	11.5	186.22
4400.0	0.22	31.04	4399.8	4.9	-11.2	-1.2	0.40	11.3	186.25
4450.0	0.20	267.07	4449.8	4.9	-11.1	-1.3	0.74	11.2	186.48
4500.0	0.21	297.25	4499.8	5.0	-11.1	-1.4	0.21	11.2	187.36
4550.0	0.23	328.21	4549.8	5.1	-11.0	-1.6	0.24	11.1	188.13
4600.0	0.29	284.57	4599.8	5.2	-10.9	-1.7	0.40	11.0	189.12
4650.0	0.53	290.68	4649.8	5.5	-10.8	-2.1	0.49	11.0	190.97
4700.0	0.57	316.93	4699.8	5.8	-10.5	-2.5	0.51	10.8	193.25
4750.0	0.67	309.72	4749.8	6.0	-10.1	-2.9	0.25	10.5	195.80
4800.0	0.63	315.27	4799.8	6.3	-9.7	-3.3	0.15	10.3	198.63
4850.0	0.80	326.25	4849.8	6.5	-9.3	-3.7	0.44	10.0	201.64
4900.0	0.76	322.99	4899.8	6.7	-8.7	-4.1	0.12	9.6	205.04
4950.0	0.84	316.03	4949.8	7.0	-8.2	-4.5	0.25	9.3	208.94
5000.0	1.00	317.16	4999.8	7.3	-7.6	-5.1	0.32	9.1	213.75



Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD.
Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Mobil Federal #9
Wellpath: VH - Job #32K0510359

Date: 5/18/2010 Time: 19:32:45 Page: 3
Co-ordinate(N/E) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,250.72Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
5050.0	0.99	318.94	5049.8	7.6	-6.9	-5.6	0.06	8.9	219.15
5100.0	0.92	323.30	5099.8	7.9	-6.3	-6.2	0.20	8.8	224.45
5150.0	0.90	320.73	5149.8	8.2	-5.7	-6.7	0.09	8.7	229.61
5200.0	0.96	314.42	5199.8	8.5	-5.1	-7.2	0.24	8.8	234.89
5250.0	1.07	316.15	5249.8	8.9	-4.4	-7.8	0.23	9.0	240.45
5300.0	1.03	329.57	5299.7	9.1	-3.7	-8.4	0.50	9.2	246.10
5350.0	0.96	326.85	5349.7	9.3	-3.0	-8.8	0.17	9.3	251.39
5400.0	0.94	327.82	5399.7	9.5	-2.3	-9.3	0.05	9.6	256.21
5450.0	0.92	324.82	5449.7	9.7	-1.6	-9.7	0.11	9.9	260.64
5500.0	0.90	325.51	5499.7	9.9	-1.0	-10.2	0.05	10.2	264.66
5550.0	0.93	326.79	5549.7	10.1	-0.3	-10.6	0.07	10.6	268.44
5600.0	0.93	324.18	5599.7	10.3	0.4	-11.1	0.08	11.1	271.96
5650.0	0.88	316.66	5649.7	10.6	1.0	-11.6	0.26	11.6	274.87
5700.0	0.87	315.62	5699.7	10.9	1.5	-12.1	0.04	12.2	277.23
5750.0	0.82	307.01	5749.7	11.3	2.0	-12.7	0.27	12.8	279.08
5800.0	0.84	307.69	5799.7	11.7	2.5	-13.3	0.04	13.5	280.53
5850.0	0.79	297.82	5849.7	12.1	2.8	-13.8	0.30	14.1	281.63
5900.0	0.79	294.36	5899.7	12.6	3.2	-14.5	0.10	14.8	282.29
5950.0	0.82	278.20	5949.7	13.2	3.3	-15.1	0.46	15.5	282.47
6000.0	0.88	273.71	5999.7	13.9	3.4	-15.9	0.18	16.2	282.16
6050.0	0.81	275.88	6049.7	14.5	3.5	-16.6	0.15	17.0	281.84
6100.0	0.72	262.51	6099.7	15.2	3.5	-17.3	0.40	17.6	281.39
6150.0	0.88	281.95	6149.6	15.8	3.5	-18.0	0.63	18.3	281.08
6200.0	0.99	270.86	6199.6	16.5	3.6	-18.8	0.42	19.1	280.87
6250.0	1.07	272.23	6249.6	17.4	3.6	-19.7	0.17	20.0	280.45
6300.0	1.06	261.29	6299.6	18.3	3.6	-20.6	0.41	20.9	279.85
6350.0	0.89	261.47	6349.6	19.1	3.4	-21.4	0.34	21.7	279.14
6400.0	0.90	265.58	6399.6	19.8	3.4	-22.2	0.13	22.5	278.60
6450.0	0.95	263.60	6449.6	20.6	3.3	-23.0	0.12	23.2	278.12
6500.0	0.92	260.17	6499.6	21.4	3.2	-23.8	0.13	24.0	277.58
6550.0	0.72	262.01	6549.6	22.1	3.1	-24.5	0.40	24.7	277.10
6600.0	0.91	266.60	6599.6	22.8	3.0	-25.2	0.40	25.4	276.76
6650.0	0.73	250.89	6649.6	23.5	2.9	-25.9	0.57	26.1	276.30
6700.0	0.69	257.52	6699.6	24.1	2.7	-26.5	0.18	26.7	275.80
6750.0	0.59	232.89	6749.6	24.7	2.5	-27.0	0.58	27.1	275.23
6800.0	0.53	221.53	6799.6	25.1	2.1	-27.4	0.25	27.5	274.48
6850.0	0.52	210.67	6849.6	25.5	1.8	-27.6	0.20	27.7	273.67
6900.0	0.48	204.69	6899.6	25.8	1.4	-27.8	0.13	27.9	272.86
6950.0	0.60	204.01	6949.6	26.2	1.0	-28.0	0.24	28.1	271.96
7000.0	0.63	201.26	6999.6	26.5	0.5	-28.2	0.08	28.3	270.94
7050.0	0.57	196.85	7049.6	26.8	0.0	-28.4	0.15	28.4	269.94
7100.0	0.77	192.19	7099.6	27.2	-0.6	-28.6	0.41	28.6	268.80
7150.0	1.01	195.88	7149.6	27.6	-1.3	-28.8	0.49	28.8	267.31
7200.0	0.98	200.82	7199.5	28.1	-2.2	-29.0	0.18	29.1	265.72
7250.0	0.98	204.68	7249.5	28.7	-3.0	-29.4	0.13	29.5	264.24
7300.0	0.78	201.08	7299.5	29.2	-3.7	-29.7	0.41	29.9	262.95
7350.0	1.05	207.47	7349.5	29.8	-4.4	-30.0	0.58	30.3	261.67
7400.0	1.26	201.39	7399.5	30.5	-5.3	-30.4	0.49	30.9	260.10
7450.0	1.12	202.36	7449.5	31.1	-6.3	-30.8	0.28	31.4	258.49
7500.0	1.03	210.80	7499.5	31.8	-7.1	-31.2	0.36	32.0	257.16
7550.0	0.84	201.17	7549.5	32.4	-7.8	-31.6	0.49	32.5	256.06
7600.0	1.17	210.28	7599.5	33.0	-8.6	-32.0	0.73	33.1	254.90
7650.0	1.01	216.42	7649.5	33.8	-9.4	-32.5	0.40	33.8	253.83



Scientific
Drilling

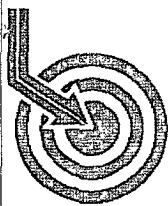
Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD Date: 5/18/2010 Time: 19:32:45 Page: 4
Field: San Dunes Delaware, West Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Mobil Federal #9 Section (VS) Reference: Well (0.00N,0.00E,250.72Azi)
Wellpath: VH - Job #32K0510359 Survey Calculation Method: Minimum Curvature Db: Sybase

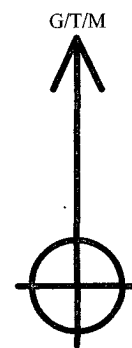
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
7700.0	0.96	215.41	7699.5	34.5	-10.1	-33.0	0.11	34.5	252.95
7750.0	0.84	217.77	7749.5	35.1	-10.7	-33.5	0.25	35.1	252.19
7800.0	0.70	219.24	7799.5	35.7	-11.3	-33.9	0.28	35.7	251.59
7850.0	0.75	214.98	7849.4	36.2	-11.8	-34.2	0.15	36.2	251.03
7894.0	0.76	245.80	7893.4	36.7	-12.1	-34.7	0.91	36.7	250.72



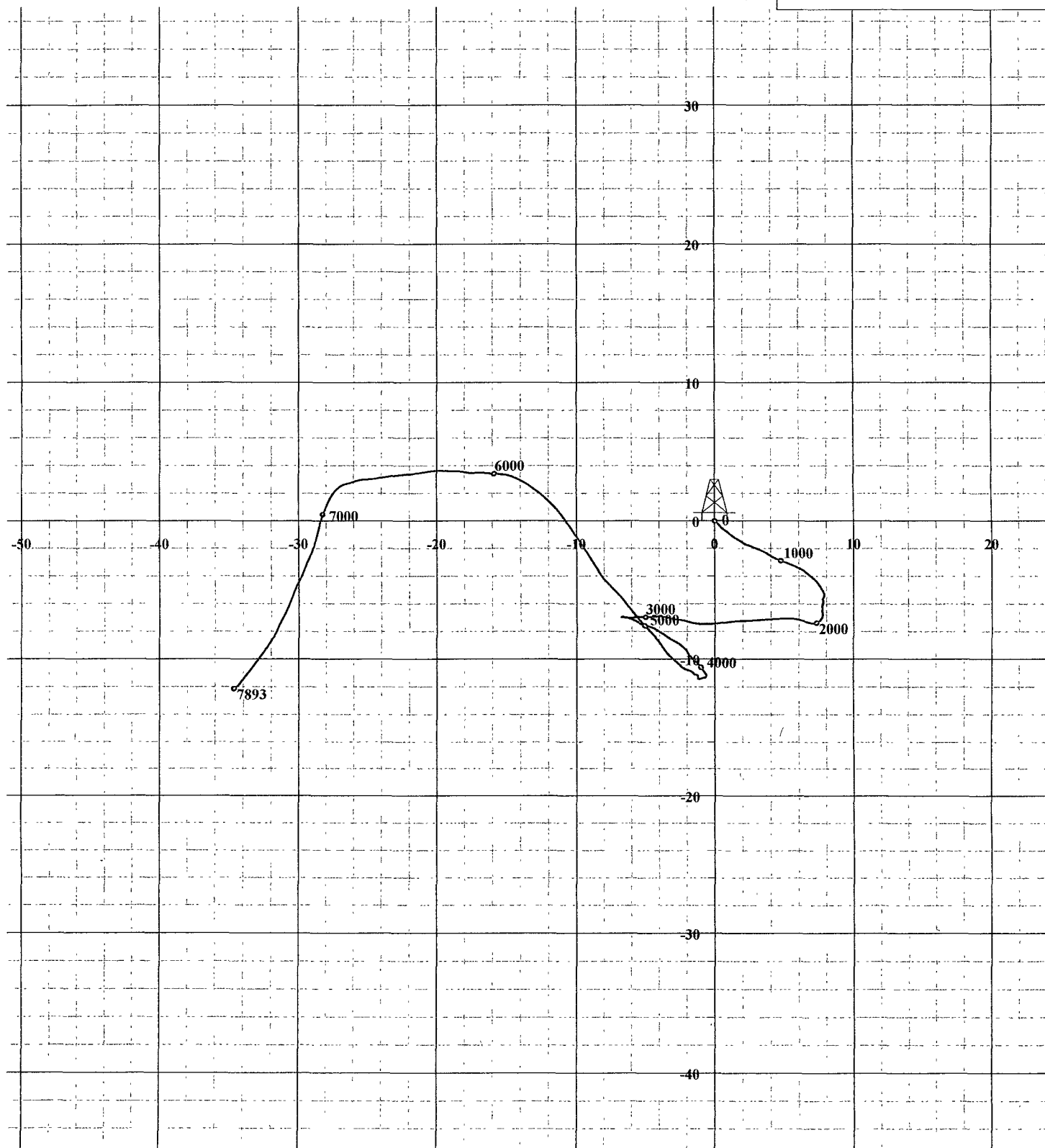
Scientific
Drilling

Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Mobil Federal #9
Survey: 05/13/10



Azimuths to Grid North
True North: 0 00°
Magnetic North: 0 00°
Magnetic Field
Dip Angle: 0 00°
Date: 5/18/2010
Model: igrf2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]