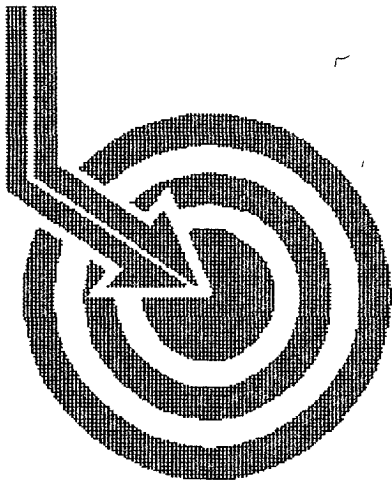
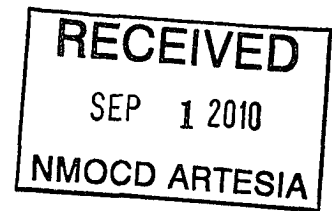




Scientific Drilling

30.015.37698

OCCIDENTAL PERMIAN LTD.

Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Federal 29 #11
Wellpath: VH - Job #32K0510366
Survey: 05/15/10

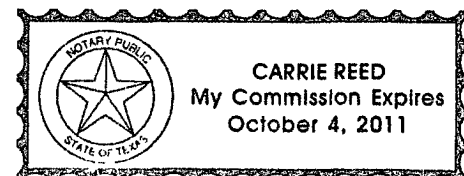
MR2

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

Richard
Company Representative

Notarized this date 21st of June, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD
Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Federal 29 #11
Wellpath: VH - Job #32K0510366

Date: 5/18/2010
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, 270.53Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Time: 21.04.30
Page: 1

Survey: 05/15/10
Start Date: 5/15/2010
Company: Scientific Drilling Internatio
Engineer: Guebara/Renteria/Garza
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	359 71	0 0	0 0	0 0	0 0	0 00	0 0	0 00
50 0	0 14	12 75	50 0	0 0	0 1	0 0	0 28	0 1	12 75
100 0	0 29	12 75	100 0	-0 1	0 2	0 1	0 30	0 2	12 75
150 0	0 31	43 62	150 0	-0 2	0 5	0 2	0 32	0 5	20 79
200 0	0 18	41 50	200 0	-0 3	0 6	0 3	0 26	0 7	27 38
250 0	0 36	43 68	250 0	-0 5	0 8	0 5	0 36	0 9	31 29
300 0	0 45	16 27	300 0	-0 6	1 1	0 6	0 42	1 3	30 52
350 0	0 41	5 24	350 0	-0 7	1 5	0 7	0 18	1 6	26 12
400 0	0 29	358 43	400 0	-0 7	1 8	0 7	0 25	1 9	22 45
450 0	0 16	55 48	450 0	-0 8	1 9	0 8	0 49	2 1	22 08
500 0	0 11	42 04	500 0	-0 9	2 0	0 9	0 12	2 2	23 51
550 0	0 30	69 38	550 0	-1 0	2 1	1 0	0 42	2 3	26 20
600 0	0 16	38 57	600 0	-1 2	2 2	1 2	0 36	2 5	28 60
650 0	0 05	96 34	650 0	-1 2	2 2	1 3	0 28	2 6	29 32
700 0	0 30	125 04	700 0	-1 4	2 2	1 4	0 51	2 6	32 67
750 0	0 32	107 57	750 0	-1 6	2 0	1 6	0 19	2 6	38 50
800 0	0 26	73 59	800 0	-1 9	2 0	1 9	0 36	2 8	42 55
850 0	0 21	59 50	850 0	-2 0	2 1	2 1	0 15	3 0	44 21
900 0	0 13	45 43	900 0	-2 2	2 2	2 2	0 18	3 1	44 68
950 0	0 03	39 52	950 0	-2 2	2 3	2 2	0 20	3 2	44 67
1000 0	0 24	101 79	1000 0	-2 3	2 2	2 3	0 46	3 2	46 21
1050 0	0 40	83 20	1050 0	-2 6	2 2	2 6	0 38	3 4	49 39
1100 0	0 36	78 27	1100 0	-2 9	2 3	2 9	0 10	3 7	52 05
1150 0	0 24	39 47	1150 0	-3 1	2 4	3 2	0 46	4 0	52 72
1200 0	0 04	61 13	1200 0	-3 2	2 5	3 2	0 41	4 1	52 42
1250 0	0 24	101 19	1250 0	-3 3	2 5	3 4	0 42	4 2	53 54
1300 0	0 29	74 45	1300 0	-3 6	2 5	3 6	0 26	4 4	55 15
1350 0	0 18	21 09	1350 0	-3 7	2 6	3 7	0 47	4 6	55 12
1400 0	0 12	0 23	1400 0	-3 7	2 7	3 8	0 16	4 6	54 05
1450 0	0 10	148 66	1450 0	-3 8	2 7	3 8	0 42	4 7	54 07
1500 0	0 17	80 16	1500 0	-3 9	2 7	3 9	0 33	4 7	54 99
1550 0	0 14	20 48	1550 0	-4 0	2 8	4 0	0 31	4 9	54 95
1600 0	0 51	316 06	1600 0	-3 8	3 0	3 8	0 93	4 9	51 96
1650 0	0 90	309 10	1650 0	-3 4	3 4	3 4	0 80	4 8	44 74
1700 0	1 08	300 09	1700 0	-2 6	3 9	2 7	0 47	4 7	34 42
1750 0	1 13	291 44	1750 0	-1 8	4 3	1 8	0 35	4 7	22 70
1800 0	1 10	291 28	1800 0	-0 9	4 7	0 9	0 06	4 8	10 90
1850 0	1 10	285 58	1849 9	0 1	5 0	0 0	0 22	5 0	359 88
1900 0	1 11	276 20	1899 9	1 0	5 2	-1 0	0 36	5 2	349 51
1950 0	1 12	266 66	1949 9	2 0	5 2	-1 9	0 37	5 5	339 62
2000 0	1 07	257 93	1999 9	2 9	5 1	-2 9	0 35	5 8	330 42
2050 0	0 99	254 04	2049 9	3 8	4 8	-3 7	0 21	6 1	322 28
2100 0	0 98	251 61	2099 9	4 6	4 6	-4 6	0 09	6 5	315 13
2150 0	0 93	240 42	2149 9	5 4	4 2	-5 3	0 39	6 8	308 60
2200 0	0 87	230 65	2199 9	6 0	3 8	-6 0	0 33	7 1	302 53
2250 0	0 82	228 85	2249 9	6 6	3 3	-6 5	0 11	7 3	297 02
2300 0	0 60	228 78	2299 9	7 0	2 9	-7 0	0 44	7 6	292 67
2350 0	0 99	243 04	2349 9	7 6	2 6	-7 6	0 87	8 0	288 62
2400 0	0 97	228 14	2399 9	8 3	2 1	-8 3	0 51	8 5	284 07



Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD.
 Field: San Dunes Delaware, West
 Site: Eddy County, NM
 Well: Federal 29 #11
 Wellpath: VH - Job #32K0510366

Date: 5/18/2010 Time: 21:04:30 Page: 2
 Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
 Vertical (TVD) Reference: SITE 0.0'
 Section (VS) Reference: Well (0.00N,0.00E,270 53Azi)
 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	0.82	242 90	2449 9	8 9	1 6	-8 9	0 55	9 1	280 36
2500 0	0 92	233 67	2499 9	9 6	1 2	-9 6	0 34	9 6	277 33
2550 0	0 78	224 08	2549 9	10 1	0 7	-10 1	0 40	10 1	274 22
2600 0	0 55	221 70	2599 8	10 5	0 3	-10 5	0 46	10 5	271 76
2650 0	0 32	252 69	2649 8	10 8	0 1	-10 8	0 64	10 8	270 54
2700 0	0.45	263 29	2699 8	11 1	0 0	-11 1	0 30	11 1	270 19
2750 0	0 50	266 64	2749 8	11 5	0 0	-11 5	0 11	11 5	270 01
2800 0	0 61	270 69	2799 8	12 0	0 0	-12 0	0 23	12 0	269 96
2850 0	0 75	255 31	2849 8	12 6	-0 1	-12 6	0 46	12 6	269 60
2900 0	0 71	237 65	2899 8	13 2	-0 3	-13 2	0 46	13 2	268 54
2950 0	0 66	221 42	2949 8	13 6	-0 7	-13 6	0 40	13 7	266 99
3000 0	0 70	223 91	2999 8	14 0	-1 2	-14 0	0 10	14 1	265 30
3050 0	0.68	218 89	3049 8	14 4	-1 6	-14 4	0 13	14 5	263 66
3100 0	0 60	244 67	3099 8	14 8	-1 9	-14 9	0 59	15 0	262 53
3150 0	0 69	249 03	3149 8	15 4	-2 2	-15 4	0 20	15 5	261 98
3200 0	0 78	245 03	3199 8	15 9	-2 4	-16 0	0 21	16 2	261 39
3250 0	0 42	215 47	3249 8	16 4	-2 7	-16 4	0 93	16 6	260 60
3300 0	0 15	283 06	3299 8	16 5	-2 8	-16 6	0 78	16 8	260 24
3350 0	0 31	135 51	3349 8	16 5	-2 9	-16 5	0 89	16 8	259 95
3400 0	0 38	88 71	3399 8	16 2	-3 0	-16 3	0 56	16 5	259 48
3450 0	0 62	102 69	3449 8	15 8	-3 1	-15 8	0 54	16 1	259 00
3500 0	0 43	83 44	3499 8	15 4	-3 1	-15 4	0 51	15 7	258 55
3550 0	0 72	78 23	3549 8	14 9	-3 0	-14 9	0 59	15 2	258 50
3600 0	0 93	88 31	3599 8	14 1	-3 0	-14 2	0 51	14 5	258 23
3650 0	1 22	103 34	3649 8	13 2	-3 1	-13 3	0 80	13 6	256 98
3700 0	1 42	111 27	3699 8	12 1	-3 4	-12 2	0 54	12 6	254 33
3750 0	1 48	114 84	3749 8	11 0	-3 9	-11 0	0 22	11 7	250 44
3800 0	1 50	117 96	3799 7	9 8	-4 5	-9 8	0 17	10 8	245 47
3850 0	1 35	125 42	3849 7	8 7	-5 1	-8 8	0 48	10 2	239 67
3900 0	1 46	118 26	3899 7	7 7	-5 8	-7 7	0 41	9 7	233 24
3950 0	1 26	116 77	3949 7	6 6	-6 3	-6 7	0 41	9 2	226 56
4000 0	1 27	118 43	3999 7	5 6	-6 8	-5 7	0 08	8 9	219 83
4050 0	1 17	116 27	4049 7	4 7	-7 3	-4 8	0 22	8 7	212 99
4100 0	1 11	120 34	4099 7	3 8	-7 8	-3 9	0 20	8 7	206 46
4150 0	0 52	129 51	4149 7	3 2	-8 2	-3 3	1 20	8 8	201 88
4200 0	0 37	229 07	4199 7	3 2	-8 4	-3 2	1 37	9 0	200 98
4250 0	2 36	282 60	4249 6	4 3	-8 3	-4 4	4 32	9 4	207 67
4300 0	4 54	283 98	4299 5	7 2	-7 6	-7 3	4 36	10 5	223 74
4350 0	7 02	282 68	4349 3	12 1	-6 5	-12 2	4 97	13 8	242 05
4400 0	9 24	281 83	4398 8	19 1	-5 0	-19 1	4 45	19 7	255 41
4450 0	10 97	279 34	4448 0	27 7	-3 4	-27 7	3 57	27 9	263 05
4500 0	11 73	276 21	4497 0	37 5	-2 1	-37 5	1 96	37 5	266 86
4550 0	11 49	275 68	4546 0	47 5	-1 0	-47 5	0 53	47 5	268 78
4600 0	13 17	274 76	4594 9	58 1	0 0	-58 1	3 38	58 1	269 95
4650 0	15 42	274 66	4643 3	70 4	1 0	-70 4	4 50	70 4	270 79
4700 0	17 25	275 13	4691 3	84 4	2 2	-84 4	3 67	84 5	271 47
4750 0	18 67	275 10	4738 8	99 8	3 5	-99 8	2 84	99 8	272 03
4800 0	19 84	274 36	4786 0	116 3	4 9	-116 2	2 39	116 3	272 41
4850 0	21 46	273 61	4832 8	133 9	6 1	-133 8	3 28	133 9	272 62
4900 0	22 83	272 35	4879 1	152 7	7 1	-152 6	2 90	152 8	272 66
4950 0	23 69	271 59	4925 1	172 4	7 8	-172 4	1 82	172 5	272 58
5000 0	24 61	271 36	4970 7	192 9	8 3	-192 8	1 85	193 0	272 46



Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD
Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Federal 29 #11
Wellpath: VH - Job #32K0510366

Date: 5/18/2010 Time: 21 04:30 Page: 3
Co-ordinate(NE) Reference: Site Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0 0
Section (VS) Reference: Well (0 00N,0 00E,270 53Azi)
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	26 00	271 19	5015 9	214 2	8.8	-214 2	2 78	214 4	272 35
5100 0	27 17	271 19	5060 6	236 6	9 2	-236 5	2 34	236 7	272 24
5150 0	28 43	271 12	5104 8	259 9	9 7	-259 9	2 52	260 0	272 14
5200 0	30 39	270 69	5148 4	284 5	10 1	-284 4	3 94	284 6	272 03
5250 0	31 82	270 63	5191 2	310 3	10 4	-310 2	2 86	310 4	271 92
5300 0	33 12	270 75	5233 4	337 2	10 7	-337 1	2 60	337 2	271 82
5350 0	34 82	270 93	5274 9	365 1	11.1	-365 0	3 41	365 2	271 75
5400 0	36 81	270.96	5315 4	394 4	11 6	-394 3	3.98	394 4	271 69
5450 0	38 83	271 26	5354 9	425 0	12.2	-424 9	4 06	425 1	271 64
5500 0	40 83	272 06	5393 3	457 0	13.1	-456 9	4 13	457 1	271 65
5550 0	42 37	271 86	5430 7	490 2	14 3	-490 1	3 09	490 3	271 67
5600 0	43 72	271 57	5467 2	524 3	15.3	-524 2	2 73	524 4	271 67
5650 0	44 77	271 47	5503 0	559.2	16 2	-559.1	2 10	559 3	271.66
5700 0	45 65	271 44	5538 3	594 7	17 1	-594 6	1 76	594 8	271 65
5750 0	46.61	271 34	5572 9	630 7	18 0	-630.6	1 93	630.8	271 63
5800 0	47 57	271 03	5607 0	667 3	18 7	-667 2	1.97	667.5	271 61
5850 0	47 93	270.85	5640 6	704 4	19 4	-704.2	0 77	704 5	271 57
5900 0	48 10	270 81	5674 0	741 5	19 9	-741 4	0 35	741 6	271 54
5950 0	47 65	270 66	5707 6	778 6	20 4	-778 5	0 93	778 7	271 50
6000 0	47 23	270 48	5741 4	815 4	20 7	-815 3	0 88	815 5	271 46
6050 0	47 02	270 29	5775 4	852 1	21 0	-851.9	0 50	852 2	271 41
6100 0	46 38	270 44	5809 7	888 5	21 2	-888 3	1 30	888 6	271 37
6150 0	46 28	270 54	5844 2	924 6	21 5	-924 5	0 25	924 7	271 33
6200 0	45 50	270 54	5879 0	960 5	21 9	-960 4	1 56	960 6	271 30
6250 0	43 91	269 96	5914 5	995 7	22 0	-995.5	3 28	995 8	271 27
6300 0	43 27	268 86	5950 8	1030 2	21 7	-1030 0	1 98	1030 2	271 20
6350 0	44 17	268 44	5986 9	1064 7	20 8	-1064.6	1 89	1064 8	271 12
6400 0	45 21	268 23	6022 4	1099 8	19 8	-1099.7	2 10	1099 9	271 03
6450 0	45.41	268 20	6057 6	1135 4	18 7	-1135 2	0 40	1135 4	270 94
6500 0	44 05	268.30	6093 1	1170 5	17 6	-1170 4	2 72	1170 5	270 86
6550 0	42 88	267 72	6129 4	1204 9	16 4	-1204 8	2.47	1204 9	270 78
6600 0	42 60	267 41	6166 1	1238 8	15 0	-1238.7	0 70	1238 8	270 69
6650 0	42 69	268 04	6202 9	1272 6	13 7	-1272.5	0 87	1272 6	270 62
6700 0	41 69	269 21	6240 0	1306 2	12 9	-1306 1	2 54	1306 2	270 56
6750 0	40 35	271 57	6277 7	1339 0	13 1	-1338 9	4 10	1339 0	270 56
6800 0	40.90	271 17	6315 6	1371 5	13.8	-1371 5	1 22	1371.5	270 58
6850 0	41 65	270 60	6353 2	1404 5	14 4	-1404 4	1 68	1404 5	270 59
6900 0	41 71	270 15	6390 6	1437.8	14 6	-1437 7	0 61	1437.8	270 58
6950 0	40 20	270 89	6428 3	1470 5	14 9	-1470.5	3 17	1470 5	270 58
7000 0	38.72	271 57	6466 9	1502 3	15 5	-1502 2	3 08	1502 3	270 59
7050 0	38 78	272 82	6505 9	1533 6	16 7	-1533 5	1.57	1533 6	270 63
7100 0	39 66	273.15	6544 7	1565 2	18 4	-1565 1	1.81	1565 2	270 67
7150 0	41 50	273 85	6582 6	1597 6	20 4	-1597 5	3 79	1597 7	270 73
7200 0	42 83	274 18	6619 7	1631 1	22 7	-1631 0	2 70	1631 2	270 80
7250 0	43 27	274 12	6656 2	1665 2	25 2	-1665 1	0 88	1665 2	270 87
7300 0	43 30	273 94	6692 6	1699.4	27 6	-1699 2	0 25	1699 5	270 93
7350 0	42 68	273 59	6729 2	1733 5	29 8	-1733 3	1 33	1733 5	270 99
7400 0	42 78	272 92	6765 9	1767 4	31 8	-1767 1	0 93	1767 4	271 03
7450 0	44 07	272 25	6802 2	1801 7	33 3	-1801 5	2 74	1801 8	271 06
7500 0	45 70	272 08	6837 7	1837 0	34 7	-1836 7	3 27	1837 1	271 08
7550.0	45 85	271 75	6872 5	1872 8	35.9	-1872 5	0 56	1872 9	271 10
7600 0	45 42	271 02	6907 5	1908 5	36 7	-1908 3	1.35	1908 6	271 10
7650 0	45 93	270 56	6942 4	1944 3	37 2	-1944 0	1 21	1944 4	271 10



Scientific Drilling International, Inc.

Survey Report

Company: OCCIDENTAL PERMIAN LTD
 Field: San Dunes Delaware, West
 Site: Eddy County, NM
 Well: Federal 29 #11
 Wellpath: VH - Job #32K0510366

Date: 5/18/2010 Time: 21 04.30 Page: 4
 Co-ordinate(NE) Reference: Site Eddy County, NM, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0 00N,0.00E,270 53Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

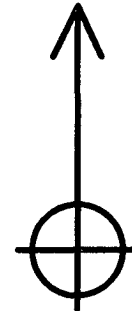
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
7700 0	46 52	270 95	6977.0	1980 4	37 7	-1980 1	1 31	1980 5	271 09
7750 0	46 48	270 58	7011 4	2016 7	38.2	-2016 4	0 54	2016 8	271 08
7800 0	47 18	270 87	7045.7	2053 1	38.6	-2052 9	1 46	2053 2	271 08
7850 0	48 07	271 62	7079 4	2090 1	39 4	-2089 8	2 10	2090 2	271 08
7900 0	48 73	271 17	7112 5	2127.5	40.3	-2127 2	1 48	2127 6	271 09
7950 0	49 58	270 41	7145 2	2165 3	40 9	-2165 0	2 05	2165 4	271.08
8000 0	49 65	270 44	7177 6	2203 4	41 1	-2203.1	0 15	2203.5	271.07
8050.0	48 37	269 94	7210 4	2241.1	41.3	-2240 8	2 67	2241 2	271 06
8100 0	46 46	269 14	7244 3	2277.9	41 0	-2277 6	4 00	2278 0	271 03
8150 0	44 99	269 07	7279 2	2313 7	40 4	-2313.4	2.94	2313 8	271 00
8200 0	45 21	269 39	7314.5	2349 1	39 9	-2348 8	0.63	2349 2	270.97
8250 0	45 53	271 22	7349 6	2384 7	40 1	-2384 4	2 68	2384 8	270 96
8300 0	45 60	271 02	7384 6	2420 4	40 8	-2420 1	0 32	2420 5	270 97
8350 0	45 35	270 69	7419 7	2456 0	41 4	-2455 8	0 69	2456 1	270 97
8400 0	45 06	270 26	7454 9	2491 5	41 7	-2491 2	0.84	2491 6	270 96
8450 0	45 24	269 77	7490 2	2527 0	41 7	-2526 7	0 78	2527 0	270 94
8500 0	45 91	269 36	7525 2	2562 7	41 4	-2562.4	1 46	2562 7	270 93
8550 0	46 10	268.74	7559 9	2598 6	40 8	-2598.4	0 97	2598 7	270 90
8600 0	46 42	268 29	7594 5	2634 7	39 9	-2634 5	0 91	2634 8	270 87
8650 0	46 89	267 78	7628 8	2671.0	38 6	-2670 8	1 20	2671 1	270 83
8700 0	47 20	267 53	7662 8	2707 6	37 1	-2707 4	0 72	2707 6	270 79
8750 0	46 74	267 06	7697 0	2744 1	35 4	-2743 9	1 15	2744 1	270 74
8800 0	46 77	266 80	7731 2	2780 4	33 4	-2780 2	0.38	2780 5	270 69
8850 0	46 52	267 13	7765 5	2816 7	31 5	-2816 6	0 69	2816 7	270 64
8900 0	46 24	267 63	7800 0	2852 9	29 9	-2852.7	0 92	2852 9	270 60
8950 0	45 41	267 98	7834.9	2888 7	28 5	-2888 5	1.73	2888 7	270 57
9000 0	45 20	268 27	7870.0	2924 2	27 3	-2924 1	0 59	2924 2	270 54
9017 0	45 11	268 33	7882 0	2936 2	27 0	-2936 1	0 59	2936 2	270 53



Scientific
Drilling

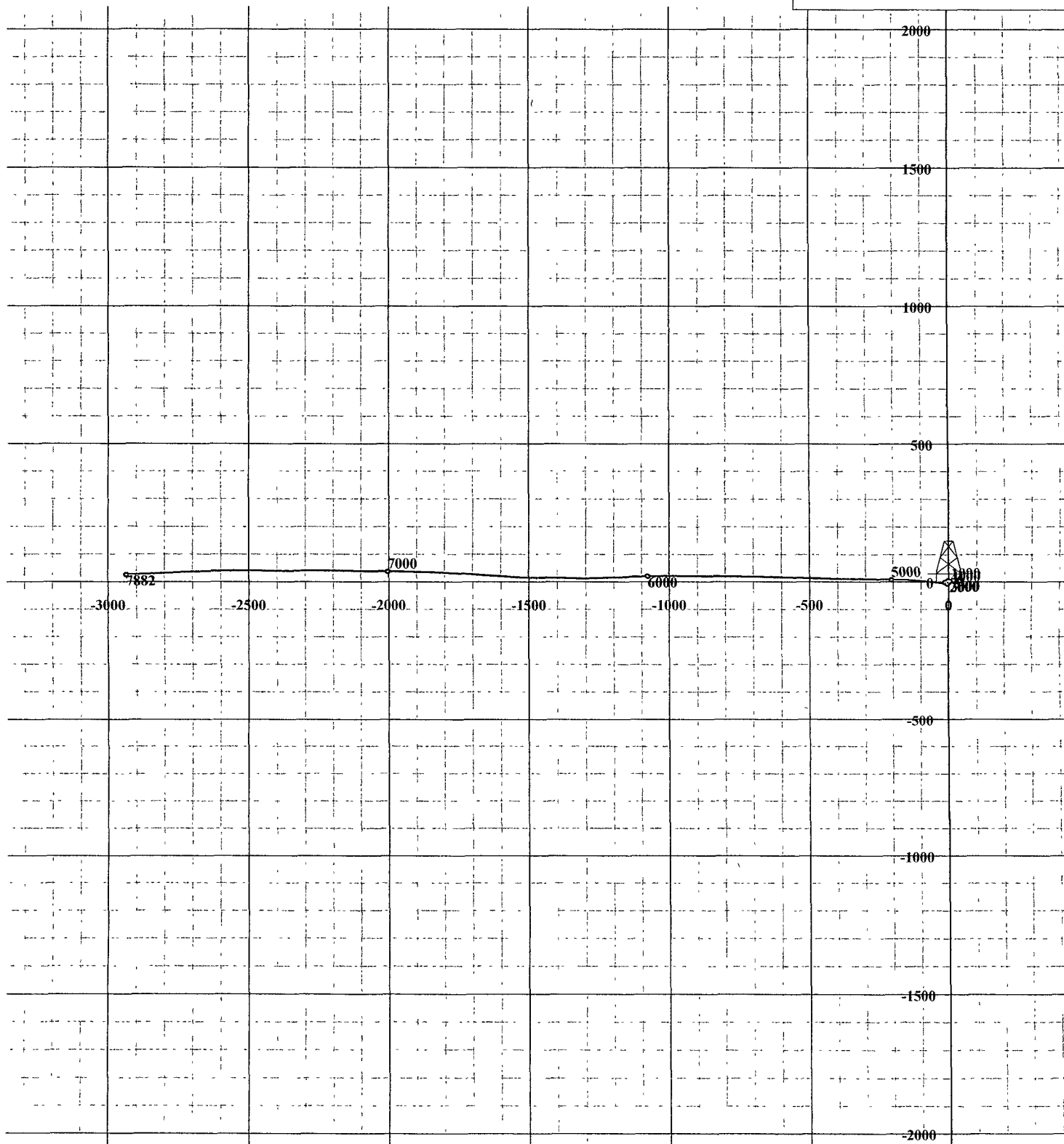
Field: San Dunes Delaware, West
Site: Eddy County, NM
Well: Federal 29 #11
Survey: 05/15/10

G/T/M



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(+) [500ft/in]



West(-)/East(+) [500ft/in]