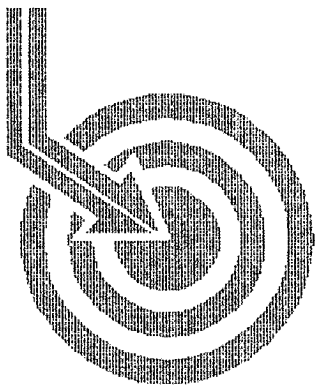


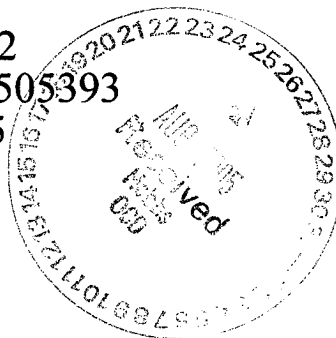


Scientific Drilling

SUR: J-31-18s-38e, 2118/S & 1355/E
BHL: J-31-18s-38e, 2459/S & 1364/E
API # 30-025-37214

OCCIDENTAL PERMIAN LTD.

Field: Hobbs, North
Site: Lea County, NM
Well: NH G/SA #31632
Wellpath: DH - Job #32D0505393
Survey: 5/31/05-06/05/05



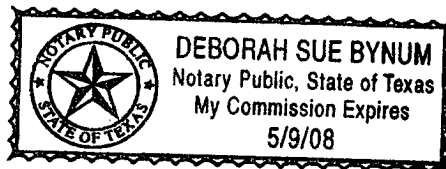
This survey is correct to the best of my knowledge
and is supported by actual field data.

George Nozley.....Company Representative

Notorized this date 18th of July, 2005.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.
Field: Hobbs, North
Site: Lea County, NM
Well: NH G/SA #31632
Wellpath: VH - Job #32K0505396

Date: 7/17/2005 Time: 14:56:45 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,359.13Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 05/31/05
KSRG 0'-2690'
Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Surface Readout

Start Date: 5/31/2005
Engineer: Foster w/P&M
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
0.00	0.00	359.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.21	214.34	100.00	-0.15	-0.15	-0.10	0.21	0.18	214.34
200.00	0.20	187.55	200.00	-0.47	-0.48	-0.23	0.10	0.53	205.78
300.00	0.17	145.20	300.00	-0.77	-0.77	-0.17	0.14	0.79	192.30
400.00	0.31	116.19	400.00	-1.01	-1.01	0.16	0.18	1.02	171.04
500.00	0.39	113.39	500.00	-1.28	-1.27	0.71	0.08	1.45	150.56
600.00	0.38	101.05	599.99	-1.49	-1.46	1.35	0.08	1.99	137.29
700.00	0.50	94.87	699.99	-1.60	-1.57	2.11	0.13	2.63	126.54
800.00	0.59	78.74	799.99	-1.55	-1.50	3.05	0.18	3.40	116.20
900.00	0.46	77.55	899.98	-1.37	-1.31	3.95	0.13	4.16	108.42
1000.00	0.47	43.19	999.98	-1.00	-0.93	4.62	0.27	4.71	101.37
1100.00	0.62	43.27	1099.97	-0.32	-0.24	5.27	0.15	5.28	92.57
1200.00	0.62	50.70	1199.97	0.41	0.50	6.06	0.08	6.08	85.28
1300.00	0.41	36.94	1299.96	1.03	1.13	6.70	0.24	6.79	80.43
1400.00	0.45	33.49	1399.96	1.63	1.74	7.13	0.05	7.34	76.26
1500.00	0.41	16.38	1499.96	2.30	2.41	7.45	0.13	7.83	72.04
1600.00	0.57	1.66	1599.96	3.14	3.25	7.56	0.20	8.23	66.72
1700.00	0.65	9.65	1699.95	4.19	4.31	7.67	0.12	8.80	60.67
1800.00	0.63	3.33	1799.94	5.30	5.42	7.80	0.07	9.50	55.21
1900.00	0.77	0.06	1899.94	6.52	6.64	7.83	0.15	10.27	49.71
2000.00	0.83	351.04	1999.93	7.91	8.03	7.72	0.14	11.14	43.88
2100.00	0.75	355.91	2099.92	9.28	9.39	7.56	0.10	12.06	38.82
2200.00	0.90	7.77	2199.91	10.71	10.83	7.62	0.23	13.24	35.14
2300.00	1.08	19.08	2299.89	12.37	12.49	8.03	0.26	14.85	32.74
2400.00	1.57	36.39	2399.86	14.35	14.49	9.15	0.63	17.14	32.29
2500.00	1.98	41.64	2499.82	16.71	16.88	11.11	0.44	20.21	33.36
2600.00	1.88	44.56	2599.76	19.14	19.34	13.41	0.14	23.54	34.74
2690.00	1.64	51.80	2689.72	20.95	21.19	15.46	0.36	26.23	36.12



Scientific
Drilling

Scientific Drilling International

Survey Report

Company: OCCIDENTAL PERMIAN LTD.
Field: Hobbs, North
Site: Lea County, NM
Well: NH G/SA #31632
Wellpath: DH - Job #32D0505393

Date: 7/17/2005 Time: 15:18:43 Page: 1
Co-ordinate(NE) Reference: Site: Lea County, NM, True North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,359.13Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 5/31/05-06/05/05
MWD 2828'-4083'

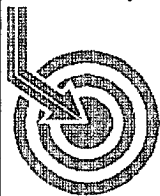
Start Date: 5/31/2005

Company: Scientific Drilling Internatio
Tool: MWD:MWD

Engineer: Smith/Ledbetter/Haines
Tied-to: From: Definitive Path

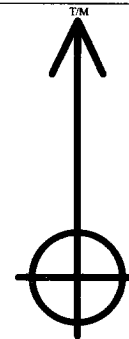
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
2690.00	1.64	51.80	2689.72	20.95	21.19	15.46	0.00	26.23	36.12
2828.00	0.41	39.05	2827.69	22.53	22.79	17.32	0.90	28.63	37.24
2922.00	0.86	247.80	2921.69	22.53	22.79	16.88	1.31	28.36	36.53
3016.00	1.51	339.60	3015.68	23.44	23.68	15.80	1.87	28.47	33.70
3078.00	3.51	4.35	3077.61	26.10	26.34	15.66	3.60	30.64	30.73
3170.00	6.58	7.82	3169.25	34.12	34.37	16.59	3.35	38.17	25.76
3264.00	9.17	4.34	3262.35	46.90	47.18	17.89	2.80	50.46	20.76
3358.00	11.24	354.20	3354.87	63.49	63.77	17.53	2.91	66.13	15.37
3451.00	14.48	355.50	3445.52	84.13	84.38	15.70	3.50	85.83	10.54
3543.00	14.06	355.20	3534.69	106.76	106.98	13.86	0.46	107.88	7.38
3604.00	14.04	354.80	3593.86	121.53	121.74	12.57	0.16	122.38	5.90
3667.00	15.90	354.10	3654.72	137.75	137.93	10.99	2.97	138.37	4.56
3729.00	16.30	354.50	3714.29	154.88	155.04	9.29	0.67	155.32	3.43
3824.00	15.31	354.70	3805.70	180.67	180.80	6.85	1.04	180.93	2.17
3919.00	15.13	354.80	3897.36	205.54	205.63	4.57	0.19	205.69	1.27
4011.00	14.75	354.40	3986.25	229.19	229.25	2.34	0.43	229.26	0.58
4083.00	14.75	354.40	4055.88	247.45	247.49	0.55	0.00	247.49	0.13



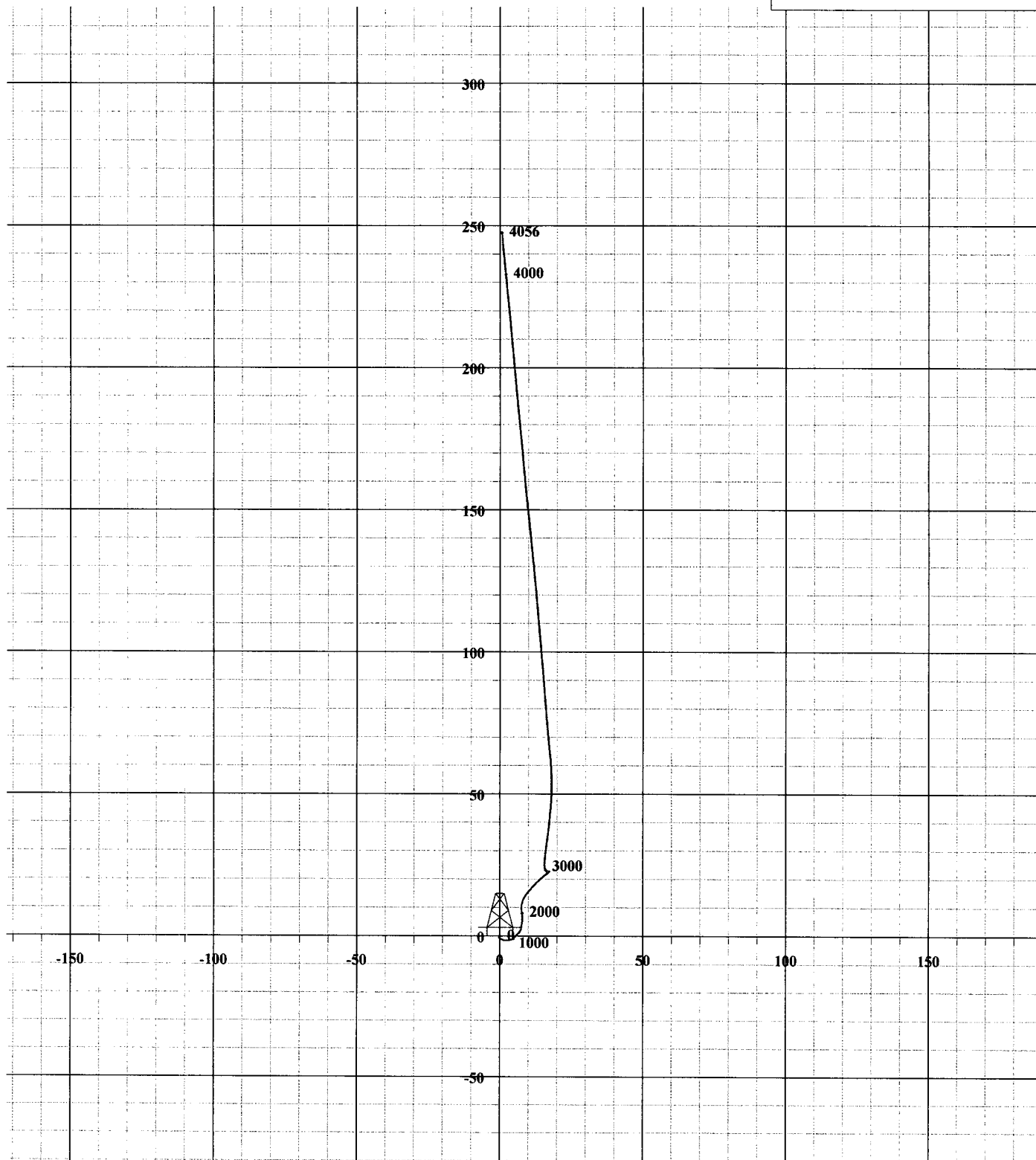
**Scientific
Drilling**

Field: Hobbs, North
Site: Lea County, NM
Well: NH G/SA #31632
Wellpath: DH - Job #32D0505393
Survey: 5/31/05-06/05/05



Azimuths to True North
Magnetic North: 0.00°
Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 7/17/2005
Model: Wmm_95

South(-)/North(+) [50ft/in]



West(-)/East(+) [50ft/in]