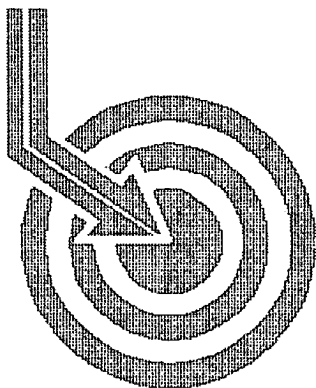




Scientific Drilling

SUR: H-19-18s-38e, 2470/N & 225/E
BHL: I-19-18s-38e, 3115/N & 453/E
API # 30-025-37435

OCCIDENTAL PERMIAN LTD.

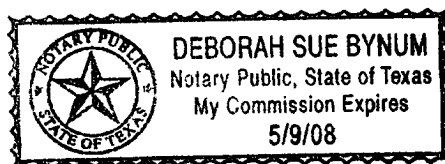
Field: Hobbs, North
Site: Lea County, NM
Well: NHU #19-943
Wellpath: DH - Job #32D0905694
Survey: 09/23/805-09/29/05

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

.....*Curkston*.....Company Representative

Notorized this date 16th of October, 2005.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: OCCIDENTAL PERMIAN LTD.	Date: 10/16/2005	Time: 09:02:19	Page: 1
Field: Hobbs, North	Co-ordinate(NE) Reference:	Site: Lea County, NM, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: NHU #19-943	Section (VS) Reference:	Well (0.00N,0.00E,199.72Azi)	
Wellpath: VH - Job #32K0905697	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/23/05 KSRG 0'-1440'	Start Date: 9/23/2005
Company: Scientific Drilling Internatio	Engineer: Gonzales w/Weatherford
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
0.00	0.00	359.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.50	21.73	100.00	-0.44	0.41	0.16	0.50	0.44	21.73
200.00	0.50	32.02	199.99	-1.30	1.18	0.55	0.09	1.30	25.16
300.00	0.53	46.38	299.99	-2.14	1.87	1.12	0.13	2.18	30.94
400.00	0.38	54.00	399.99	-2.83	2.38	1.72	0.16	2.94	35.87
500.00	0.36	71.07	499.99	-3.30	2.68	2.29	0.11	3.52	40.50
600.00	0.13	82.77	599.98	-3.54	2.80	2.70	0.23	3.89	43.98
700.00	0.14	122.12	699.98	-3.57	2.75	2.91	0.09	4.00	46.71
800.00	0.46	164.23	799.98	-3.22	2.29	3.13	0.37	3.88	53.73
900.00	0.46	199.89	899.98	-2.49	1.53	3.10	0.28	3.46	63.72
1000.00	0.57	212.80	999.98	-1.60	0.74	2.69	0.16	2.79	74.73
1100.00	0.59	213.31	1099.97	-0.62	-0.11	2.14	0.02	2.14	93.02
1200.00	0.61	234.48	1199.97	0.32	-0.85	1.43	0.22	1.66	120.88
1300.00	0.73	224.70	1299.96	1.34	-1.61	0.54	0.17	1.70	161.37
1400.00	0.91	227.50	1399.95	2.62	-2.60	-0.49	0.18	2.65	190.64
1440.00	0.89	223.27	1439.94	3.18	-3.04	-0.94	0.17	3.19	197.09



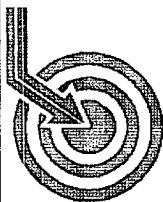
Scientific Drilling International Survey Report

Company: OCCIDENTAL PERMIAN LTD.	Date: 10/16/2005	Time: 09:06:43	Page: 1
Field: Hobbs, North	Co-ordinate(NE) Reference:	Site: Lea County, NM, True North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: NHU #19-943	Section (VS) Reference:	Well (0.00N,0.00E,199.72Azi)	
Wellpath: DH - Job #32D0905694	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/23/805-09/29/05	Start Date: 9/23/2005
MWD 1511'-4458'	
Company: Scientific Drilling Internatio	Engineer: Smith/Woolfolk/Ledbetter/McCor
Tool: MWD;MWD	Tied-to: From: Definitive Path

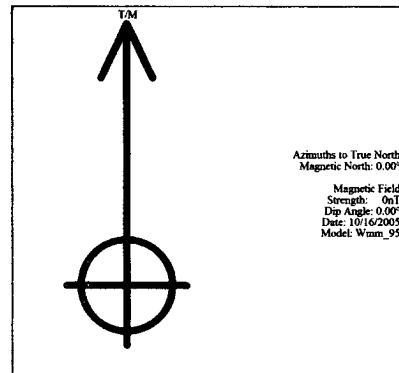
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1440.00	0.89	223.27	1439.94	3.18	-3.04	-0.94	0.00	3.19	197.09
1511.00	0.88	221.18	1510.94	4.20	-3.86	-1.67	0.05	4.20	203.45
1605.00	1.32	230.41	1604.92	5.80	-5.09	-2.98	0.50	5.90	210.37
1700.00	1.58	237.53	1699.89	7.77	-6.49	-4.93	0.33	8.15	217.23
1793.00	2.02	236.83	1792.84	10.09	-8.08	-7.38	0.47	10.94	222.44
1856.00	2.81	238.14	1855.78	12.19	-9.50	-9.63	1.26	13.52	225.38
1919.00	4.04	238.14	1918.67	15.14	-11.48	-12.82	1.95	17.21	228.15
1981.00	5.19	230.41	1980.47	19.26	-14.42	-16.84	2.10	22.17	229.41
2043.00	6.60	233.31	2042.14	24.64	-18.34	-21.86	2.32	28.53	230.00
2106.00	8.31	233.31	2104.61	31.45	-23.22	-28.41	2.71	36.70	230.74
2169.00	10.20	232.70	2166.78	39.92	-29.33	-36.50	3.00	46.82	231.22
2232.00	11.87	229.90	2228.62	50.20	-36.88	-45.89	2.78	58.88	231.22
2293.00	13.45	225.66	2288.13	62.01	-45.88	-55.77	3.00	72.22	230.56
2356.00	15.12	220.19	2349.18	76.29	-57.28	-66.31	3.41	87.62	229.18
2419.00	16.44	214.15	2409.81	92.63	-70.93	-76.62	3.34	104.41	227.21
2512.00	17.94	209.32	2498.66	119.50	-94.32	-91.02	2.23	131.07	223.98
2604.00	18.20	202.99	2586.13	147.82	-119.90	-103.57	2.15	158.44	220.82
2698.00	17.94	198.59	2675.50	176.95	-147.14	-113.92	1.48	186.08	217.75
2791.00	17.06	192.97	2764.20	204.82	-174.01	-121.55	2.05	212.26	214.94
2884.00	16.71	193.32	2853.19	231.65	-200.31	-127.69	0.39	237.55	212.52
2977.00	15.83	195.78	2942.47	257.59	-225.53	-134.22	1.20	262.45	210.76
3070.00	16.27	194.73	3031.84	283.23	-250.34	-140.99	0.57	287.31	209.39
3165.00	16.71	192.00	3122.94	310.02	-276.57	-147.21	0.94	313.30	208.03
3257.00	17.06	191.39	3210.97	336.48	-302.73	-152.62	0.43	339.03	206.76
3352.00	17.67	192.71	3301.64	364.58	-330.46	-158.55	0.76	366.52	205.63
3445.00	16.71	193.50	3390.48	391.88	-357.23	-164.77	1.06	393.40	204.76
3509.00	16.62	192.71	3451.80	410.11	-375.10	-168.94	0.38	411.39	204.25
3571.00	16.71	190.86	3511.19	427.71	-392.51	-172.57	0.87	428.77	203.73
3644.00	17.15	191.30	3581.03	448.73	-413.37	-176.65	0.63	449.53	203.14
3695.00	16.53	191.39	3629.84	463.35	-427.85	-179.56	1.22	464.00	202.77
3789.00	16.88	191.21	3719.87	490.08	-454.35	-184.85	0.38	490.51	202.14
3850.00	17.50	190.86	3778.15	507.90	-472.04	-188.30	1.03	508.22	201.75
3945.00	17.32	190.86	3868.80	535.98	-499.96	-193.66	0.19	536.16	201.17
4039.00	16.44	191.48	3958.75	562.97	-526.74	-198.94	0.96	563.05	200.69
4102.00	17.23	191.74	4019.05	581.04	-544.61	-202.61	1.26	581.08	200.41
4197.00	17.15	191.83	4109.80	608.84	-572.09	-208.35	0.09	608.85	200.01
4292.00	16.53	194.64	4200.73	636.18	-598.88	-214.64	1.08	636.18	199.72
4383.00	16.97	195.96	4287.87	662.33	-624.17	-221.56	0.64	662.33	199.54
4458.00	16.97	196.00	4359.60	684.17	-645.22	-227.59	0.02	684.18	199.43

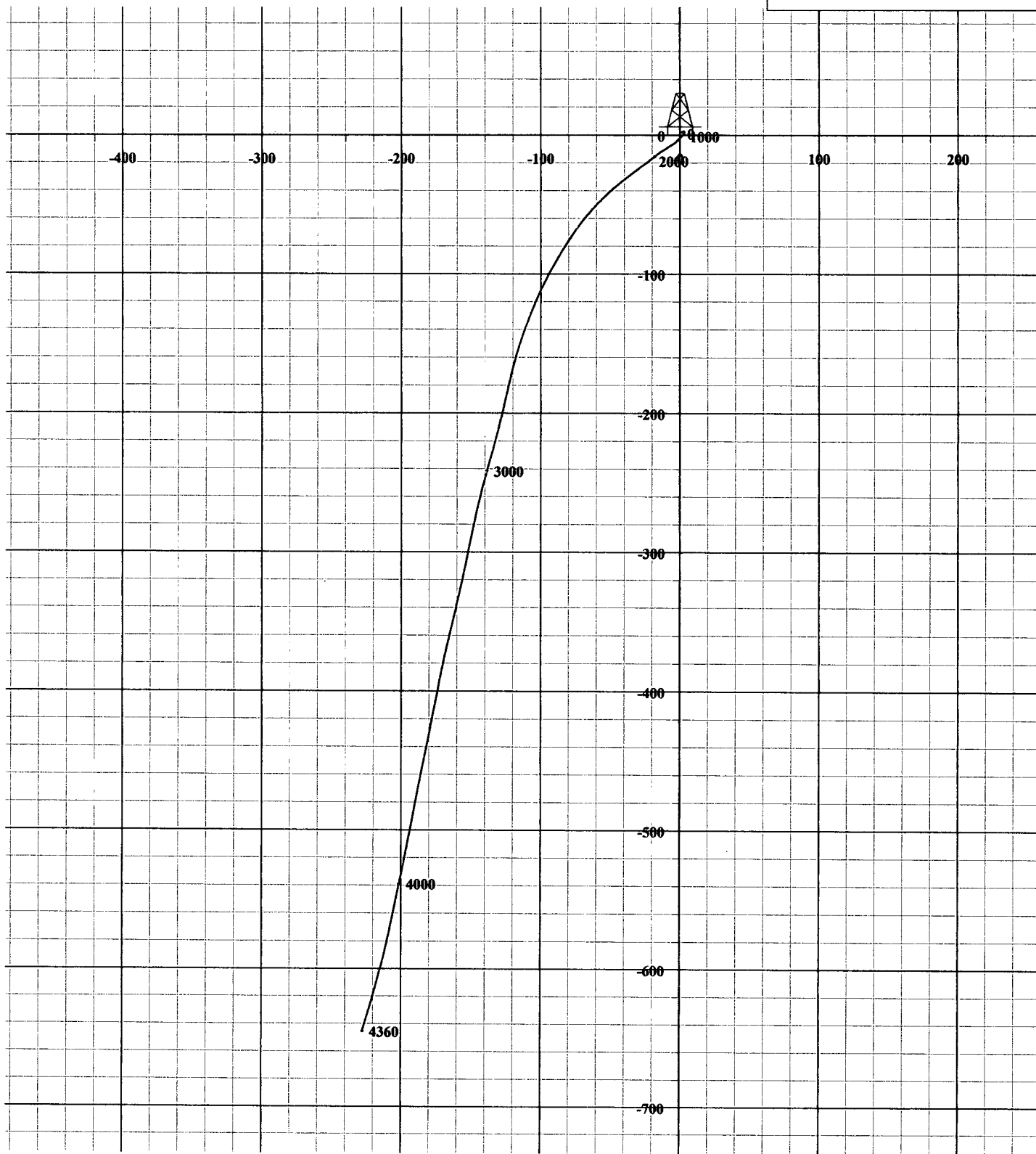


**Scientific
Drilling**

Field: Hobbs, North
Site: Lea County, NM
Well: NHU #19-943
Wellpath: DH - Job #32D0905694
Survey: 09/23/805-09/29/05



South(-)/North(+) [100ft/in]



West(-)/East(+) [100ft/in]