

Results of Directional Survey

30-025-36247

**OCCIDENTAL PERMIAN LIMITED PART
NORTH HOBBS UNIT # 527**

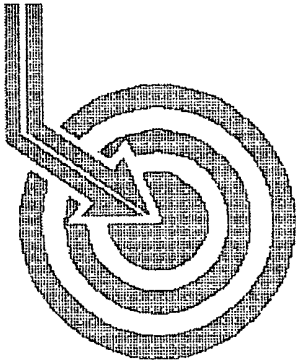
	MD	N/S	E/W	VD
	4238	301.50	20.10	4217.9
TOP PERFS/OH	4252	303.14	20.13	4231.81
	4332	312.50	20.30	4311.30
	4238	301.50	20.10	4217.9
BOT PERFS/OH	4303	309.11	20.24	4282.49
	4332	312.50	20.30	4311.30

NEXT TO LAST	4364	316.10	20.30	4343.00
LAST READING	4435	324.30	20.20	4413.60
TD	4483	329.84	20.13	4461.33

Surface Location	627	FS	1782	FW
Projected BHL	957	FS	1802	FW
Location of				
Top Perfs/OH	930	FS	1802	FW
Bottom Perfs/OH	936	FS	1802	FW

SUMMARY of Subsurface Locations

Surface Location	N-30-18S-38E	627	FS	1782	FW	Vert. Depth
Top Perfs/OH	N-30-18S-38E	930	FS	1802	FW	4231.81
Bottom Perfs/OH	N-30-18S-38E	936	FS	1802	FW	4282.49
Projected TD	N-30-18S-38E	957	FS	1802	FW	4461.33

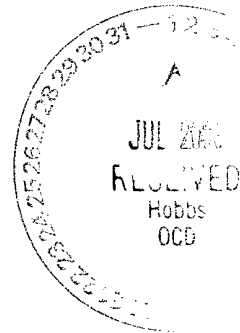


Scientific Drilling

SUR: N-30-18s-38e, 627/S & 1782/E
BHL: N-30-18s-38e, 957/S & 1802/E
API # 30-025-36247

OCCIDENTAL PERMIAN LTD.

Field: North Hobbs
Site: Lea County, NM
Well: NHU #30-527
Wellpath: DH - Job #32D0503250
Survey: 05/21/03-05/26/03



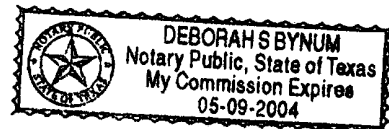
This survey is correct to the best of my knowledge
and is supported by actual field data.

[Signature] Company Representative

Notorized this date 30th of May, 2003.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas



Scientific Drilling Survey Report

Company: OCCIDENTAL PERMIAN LTD. Field: North Hobbs Site: Lea County, NM Well: NHU #30-527 Wellpath: VH - Job #32K0503252	Date: 5/30/2003 Co-ordinate(N/E) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 17:12:54 Site: Lea County, NM, True North SITE 0.0 Well (0.00N,0.00E,70.50Azi) Minimum Curvature	Page: 1 Db: Sybase
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Survey: 05/21/03 KSRG 0'-1940' Company: Scientific Drilling Tool:	Start Date: 5/21/2003 Engineer: Ron Drake Tied-to: From Surface
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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
100.0	0.49	59.31	100.0	0.4	0.2	0.4	0.49	0.4	59.31
200.0	0.43	62.12	200.0	1.2	0.6	1.1	0.06	1.2	60.17
300.0	0.41	61.85	300.0	1.9	1.0	1.7	0.02	2.0	60.85
400.0	0.22	85.46	400.0	2.5	1.1	2.2	0.23	2.5	62.83
500.0	0.25	90.00	500.0	2.9	1.2	2.6	0.04	2.9	66.29
600.0	0.33	85.41	600.0	3.3	1.2	3.1	0.08	3.4	69.40
700.0	0.46	84.61	700.0	4.0	1.2	3.8	0.13	4.0	72.04
800.0	0.51	82.39	800.0	4.8	1.3	4.7	0.05	4.9	74.02
900.0	0.72	76.77	900.0	5.9	1.5	5.7	0.22	5.9	74.93
1000.0	0.71	88.98	1000.0	7.1	1.7	6.9	0.15	7.2	76.30
1100.0	0.79	94.62	1100.0	8.3	1.6	8.3	0.11	8.4	78.70
1200.0	0.58	92.98	1200.0	9.4	1.6	9.4	0.21	9.6	80.58
1300.0	0.64	88.81	1299.9	10.4	1.6	10.5	0.07	10.6	81.60
1400.0	0.71	81.03	1399.9	11.6	1.7	11.7	0.12	11.8	81.91
1500.0	0.80	64.15	1499.9	12.9	2.1	12.9	0.24	13.1	80.93
1600.0	0.82	60.23	1599.9	14.3	2.7	14.2	0.06	14.4	79.13
1700.0	0.75	48.40	1699.9	15.6	3.5	15.3	0.18	15.7	77.06
1800.0	0.83	42.35	1799.9	16.8	4.5	16.3	0.12	16.9	74.59
1900.0	0.89	37.12	1899.9	18.1	5.6	17.2	0.10	18.1	71.87
1940.0	1.14	28.86	1939.9	18.7	6.2	17.6	0.72	18.7	70.50

Scientific Drilling Survey Report

Company: OCCIDENTAL PERMIAN LTD. Field: North Hobbs Site: Lea County, NM Well: NHU #30-527 Wellpath: DH - Job #32D0503250	Date: 5/30/2003 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 17:09:41 Site: Lea County, NM, True North SITE 0.0 Well (0.00N,0.00E,3.57Azi) Minimum Curvature	Page: 1 Db: Sybase
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Survey: 05/21/03-05/26/03 E-field 2033'-4435' Company: Scientific Drilling Tool:	Start Date: 5/21/2003 Engineer: Brusenhan/Drake Tied-to: From: Definitive Path
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Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
1940.0	1.14	28.86	1939.9	7.3	6.2	17.6	0.00	18.7	70.50
2033.0	3.80	6.40	2032.8	11.2	10.1	18.4	2.99	21.0	61.20
2128.0	5.80	356.60	2127.5	19.1	18.0	18.5	2.27	25.8	45.67
2222.0	7.10	1.70	2220.9	29.7	28.6	18.3	1.51	34.0	32.70
2317.0	8.80	359.40	2314.9	42.8	41.7	18.4	1.82	45.6	23.85
2411.0	9.00	0.20	2407.8	57.3	56.3	18.4	0.25	59.2	18.10
2506.0	9.10	0.90	2501.6	72.2	71.2	18.5	0.16	73.6	14.59
2600.0	9.20	1.80	2594.4	87.1	86.1	18.9	0.19	88.2	12.37
2694.0	8.60	3.80	2687.3	101.7	100.7	19.6	0.72	102.6	11.01
2788.0	8.60	355.70	2780.2	115.7	114.7	19.5	1.29	116.3	9.66
2883.0	7.90	356.60	2874.3	129.2	128.3	18.6	0.75	129.6	8.25
2978.0	8.70	355.60	2968.3	142.8	142.0	17.7	0.86	143.1	7.09
3040.0	8.40	355.80	3029.6	151.9	151.2	17.0	0.49	152.1	6.41
3135.0	9.10	354.40	3123.5	166.2	165.6	15.7	0.77	166.3	5.43
3229.0	8.30	351.50	3216.4	180.2	179.7	14.0	0.97	180.2	4.46
3292.0	7.90	350.20	3278.8	188.8	188.4	12.6	0.70	188.8	3.83
3387.0	7.70	3.90	3372.9	201.6	201.2	11.9	1.96	201.6	3.39
3481.0	7.30	3.70	3466.1	213.8	213.5	12.7	0.43	213.8	3.41
3576.0	6.40	360.00	3560.4	225.2	224.8	13.1	1.05	225.2	3.34
3639.0	7.00	6.50	3623.0	232.5	232.1	13.6	1.53	232.5	3.34
3734.0	6.40	7.40	3717.3	243.6	243.1	14.9	0.64	243.6	3.51
3797.0	6.30	6.70	3779.9	250.5	250.0	15.8	0.20	250.5	3.60
3860.0	6.00	6.40	3842.6	257.2	256.7	16.5	0.48	257.2	3.68
3954.0	6.90	5.40	3936.0	267.8	267.2	17.6	0.96	267.8	3.77
4049.0	7.00	4.40	4030.3	279.3	278.7	18.6	0.17	279.3	3.81
4143.0	7.00	4.40	4123.6	290.7	290.1	19.5	0.00	290.7	3.84
4238.0	6.80	1.60	4217.9	302.2	301.5	20.1	0.41	302.2	3.81
4332.0	6.60	0.60	4311.3	313.1	312.5	20.3	0.25	313.1	3.71
4364.0	6.60	359.60	4343.0	316.8	316.1	20.3	0.36	316.8	3.67
4435.0	6.60	359.60	4413.6	324.9	324.3	20.2	0.00	324.9	3.57



**Scientific
Drilling**

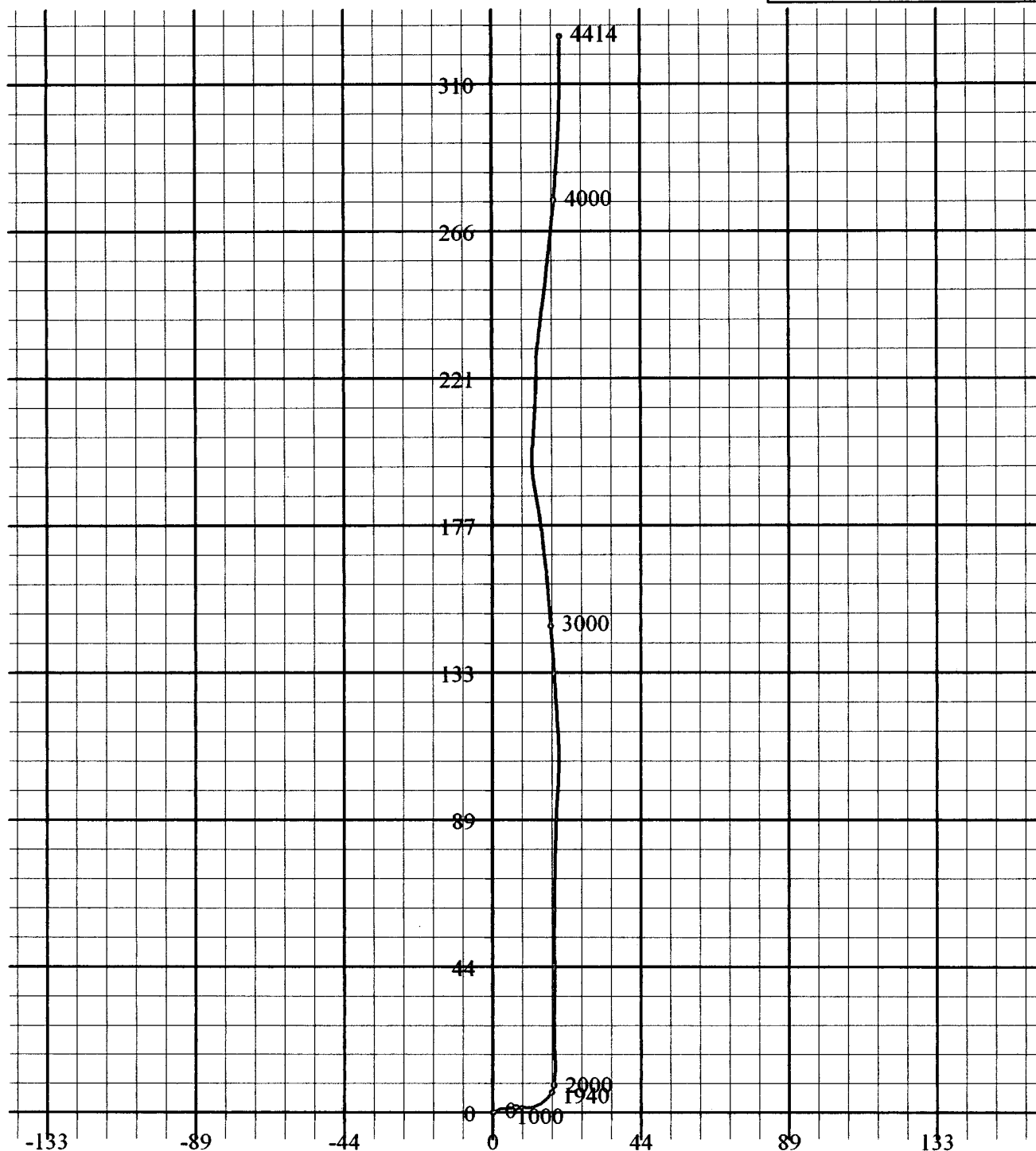
Field: North Hobbs
Site: Lea County, NM
Well: NHU #30-527
Wellpath: DH - Job #32D0503250
Survey: 05/21/03-05/26/03



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 5/30/2003
Model: Wmm_95

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



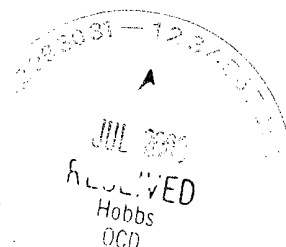
West(-)/East(+) [ft]



KEY ENERGY DRILLING, INC.
6 Desta Drive
Suite 4400
Midland, Texas 79705
Phone 915-570-0494
Fax 915-570-0465

To: Whom It May Concern:

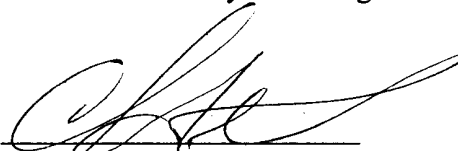
RE: STATE OF NEW MEXICO
OIL AND GAS DIVISION
INCLINATION REPORT



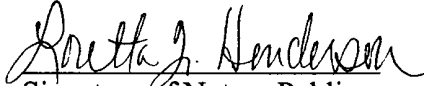
Lease Name: NORTH HOBBS UNIT
Well Number: #30-527
County/State: LEA COUNTY, NEW MEXICO
Operator: OCCIDENTAL PERMIAN, LTD (OPERATOR NO. 617544)
Address: P O BOX 4294
Address: HOUSTON TX 77210-4294
Location:

I, **CHOYR GILBERT**, Contract Manager for Key Energy Drilling, Inc., 6 Desta Drive, Suite 4400, Midland, TX 79705, declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on this form and that such data and facts are true, correct, and complete to the best of my knowledge.

Sworn to and Subscribed Before Me by the said


CHOYR GILBERT
Contract Manager

This the 24TH day of JUNE, 2003


Signature of Notary Public
In and for the State of Texas



LORETTA J. HENDERSON
Print Name of Notary Public

