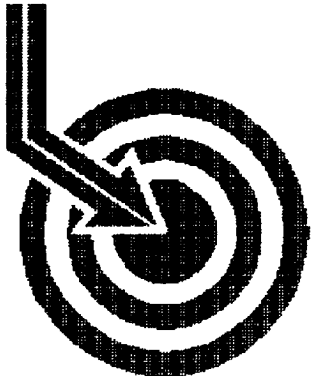




Scientific Drilling

OXY PERMIAN

Field: North Hobbs
Site: Lea County, NM
Well: NHU #29-533
Wellpath: DH - Job #32D0501295
Survey: 5/16/01-5/20/01

SUR: 2326/S & 1902/E
BAL: 2263/S & 2053/E
J-29-185-38Q
30-025-35541

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

Scott N. Noddy.....Company Representative

Notorized this date 12th of June, 2001.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas



Scientific Drilling International

Survey Report

Company: OXY PERMIAN Field: North Hobbs Site: Lea County, NM Well: NHU #29-533 Wellpath: VH - Job #32K0501300	Date: 6/12/2001 Coordinate (NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 08:56:33 Site: Lea County, NM, True North SITE: 0.0 Above Mean Sea Level Well: (0.0E, 0.0N, 247.2Az) Minimum Curvature	Page: 1
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Survey: 5/17/01 KSRG 0'-2398'	Start Date: 6/12/2001 Engineer: Angel Guebara
Company: Scientific Drilling International Tool: Keeper	

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00
100.0	0.26	52.56	100.0	-0.2	0.1	0.2	0.2	52.56
200.0	0.57	170.58	200.0	-0.3	-0.2	0.4	0.5	115.94
300.0	0.51	165.43	300.0	-0.1	-1.1	0.6	1.3	150.80
400.0	0.52	150.59	400.0	-0.1	-2.0	1.0	2.2	153.70
500.0	0.15	214.75	500.0	-0.1	-2.5	1.1	2.7	155.60
600.0	0.22	173.07	600.0	0.1	-2.8	1.1	3.0	158.89
700.0	0.12	200.75	700.0	0.2	-3.1	1.1	3.2	160.97
800.0	0.30	181.47	800.0	0.4	-3.4	1.0	3.6	163.53
900.0	0.19	195.62	900.0	0.6	-3.8	1.0	4.0	165.97
1000.0	0.25	185.76	1000.0	0.8	-4.2	0.9	4.3	168.05
1100.0	0.38	180.98	1100.0	1.0	-4.8	0.9	4.8	169.72
1200.0	0.64	174.12	1200.0	1.3	-5.6	0.9	5.7	170.79
1300.0	0.85	168.11	1300.0	1.6	-6.9	1.1	7.0	170.77
1400.0	1.57	174.80	1399.9	2.2	-9.0	1.4	9.1	171.16
1500.0	1.46	180.50	1499.9	3.1	-11.7	1.5	11.8	172.59
1600.0	1.20	192.46	1599.9	4.2	-14.0	1.3	14.0	174.77
1700.0	0.96	191.64	1699.9	5.3	-15.8	0.9	15.8	176.80
1800.0	0.62	180.05	1799.9	6.0	-17.2	0.7	17.2	177.62
1900.0	0.13	41.99	1899.9	6.1	-17.6	0.8	17.6	177.44
2000.0	1.14	44.79	1999.8	5.1	-16.8	1.6	16.9	174.68
2100.0	2.28	55.34	2099.8	2.2	-15.0	3.9	15.5	165.40
2200.0	3.25	56.76	2199.7	-2.5	-12.3	7.9	14.6	147.26
2300.0	3.87	64.62	2299.5	-8.7	-9.3	13.3	16.3	124.90
2398.0	4.68	64.35	2397.2	-16.0	-6.2	19.9	20.8	107.16

Scientific Drilling International

Survey Report

Company: OXY PERMIAN Field: North Hobbs Site: Lea County, NM Well: NHU #29-533 Wellpath: DH - Job #32D0501295	Date: 6/12/2001 Co-ordinate(N/E) Reference: Site, Lea County, NM, True North Vertical (TVD) Reference: SITE D.O above Mean Sea Level Section (VS) Reference: Well (0.0E 0.0N 247.2Az) Survey Calculation Method: Minimum Curvature	Time: 09:02:12 Page: 1
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Survey: 5/16/01-5/20/01
EF - 2482'-4420'

Start Date: 6/12/2001

Company: Scientific Drilling International
Tool: MWD

Engineer: RD Brusenhan

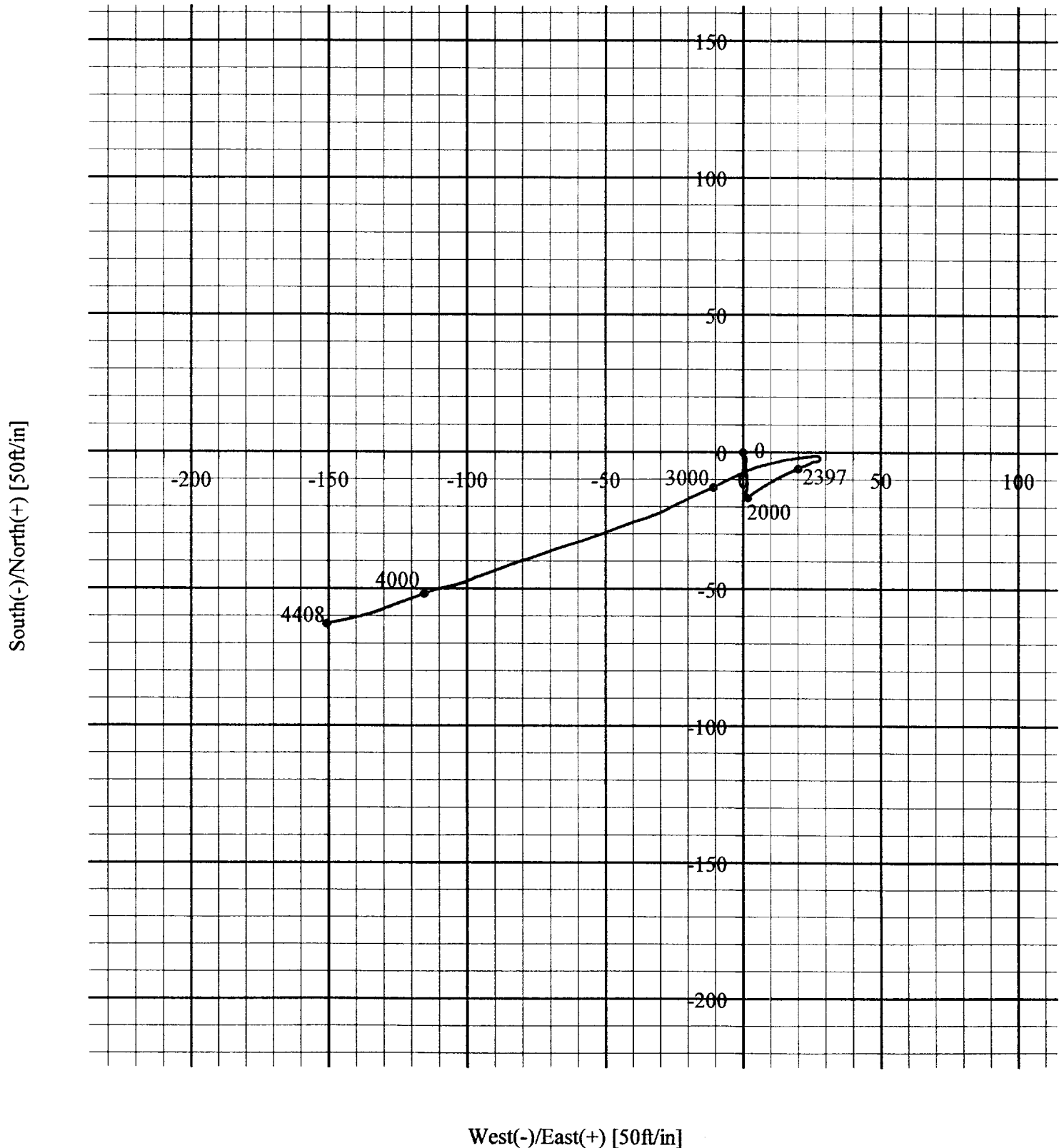
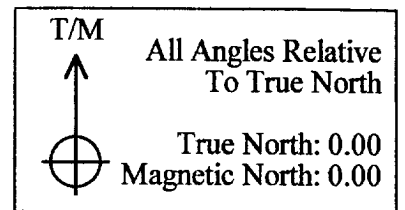
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	ClsD ft	ClsA deg
2398.0	4.68	64.35	2397.2	-16.0	-6.2	19.9	20.8	107.16
2482.0	3.80	67.80	2481.0	-22.2	-3.6	25.6	25.8	98.04
2576.0	1.00	313.40	2574.9	-25.0	-1.9	27.9	27.9	93.85
2669.0	3.30	264.90	2667.9	-22.1	-1.6	24.6	24.7	93.61
2762.0	5.30	260.30	2760.6	-15.4	-2.5	17.7	17.9	98.08
2853.0	7.20	255.20	2851.0	-5.6	-4.7	8.1	9.3	120.14
2944.0	8.30	242.70	2941.2	6.6	-9.2	-3.3	9.7	199.76
3037.0	8.00	245.90	3033.3	19.7	-14.9	-15.2	21.2	225.55
3131.0	7.00	241.70	3126.5	32.0	-20.3	-26.2	33.1	232.26
3222.0	8.30	251.80	3216.7	44.0	-24.9	-37.3	44.9	236.23
3316.0	7.70	248.40	3309.8	57.1	-29.4	-49.6	57.6	239.36
3409.0	7.40	252.80	3401.9	69.3	-33.4	-61.1	69.7	241.31
3502.0	6.70	249.90	3494.2	80.7	-37.1	-71.9	80.9	242.73
3595.0	5.40	251.80	3586.7	90.5	-40.3	-81.2	90.6	243.59
3687.0	4.90	248.70	3678.4	98.7	-43.1	-89.0	98.8	244.15
3750.0	5.20	250.90	3741.1	104.2	-45.0	-94.2	104.4	244.46
3812.0	4.90	246.00	3802.9	109.7	-47.0	-99.2	109.8	244.66
3875.0	4.50	256.40	3865.7	114.8	-48.7	-104.1	114.9	244.94
3937.0	5.20	257.30	3927.4	120.0	-49.9	-109.2	120.0	245.46
4000.0	5.30	247.80	3990.2	125.7	-51.6	-114.7	125.7	245.78
4094.0	5.00	249.70	4083.8	134.1	-54.7	-122.5	134.2	245.96
4186.0	5.10	249.30	4175.4	142.2	-57.5	-130.1	142.3	246.17
4281.0	5.20	255.50	4270.1	150.7	-60.1	-138.2	150.7	246.52
4343.0	5.30	257.30	4331.8	156.3	-61.4	-143.8	156.3	246.88
4420.0	5.30	257.30	4408.5	163.3	-63.0	-150.7	163.3	247.33



**Scientific
Drilling**

Field: North Hobbs
Site: Lea County, NM
Well: NHU #29-533
Wellpath: DH - Job #32D0501295
Survey: 5/16/01-5/20/01





KEY ENERGY DRILLING, INC.
P.O. Box 1295
Midland, Texas 79702
Phone 915-570-0494
Fax 915-570-0465

To: Whom It May Concern:

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

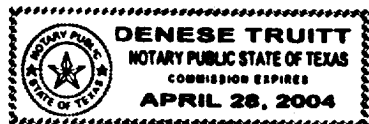
Lease Name: NORTH HOBBS UNIT
Well Number: 29-533
County/State: LEA, N.M.
Operator: OCCIDENTAL PERMIAN, LTD.
Address: P. O. BOX 4294
Address: HOUSTON, TEXAS 77210-4294
Location:

I, **CHOYR GILBERT**, Contract Manager for Key Energy Drilling, Inc., PO Box 1295, Midland, TX 79702, 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 19th day of June, 2001




Signature of Notary Public
In and for the State of Texas

DENESE TRUITT
Print Name of Notary Public

**STATE OF NEW MEXICO
OIL AND GAS DIVISION**

INCLINATION REPORT

FIELD NAME Hobbs; Grayburg-San Andres	LEASE NAME NORTH HOBBS G/SA Unit	WELL NUMBER 533
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OPERATOR OCCIDENTAL PERMIAN Limited Partnership	COUNTY LEA
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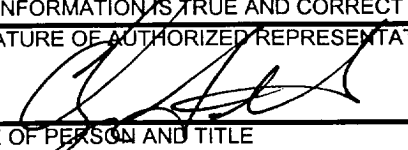
ADDRESS P. O. BOX 4294; HOUSTON, TEXAS 77210-4294

LOCATION Letter J, Sec. 29, T-18-S, R-38-E
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RECORD OF INCLINATION

MEASURED DEPTH FEET	COURSE LENGTH HUNDREDS OF FEET	ANGLE OF INCLINATION DEGREE	DISPLACEMENT PER HUNDRED FEET	COURSE DISPLACEMENT FEET	ACCUMULATIVE DISPLACEMENT
209	2.09	0.750	1.31	2.74	2.74
450	2.41	0.750	1.31	3.15	5.89
940	4.90	1.250	2.18	10.69	16.58
1438	4.98	2.000	3.49	17.38	33.96
1535	0.97	1.500	2.62	2.54	36.50
2021	4.86	1.500	2.62	12.72	49.22
2398	3.77	4.600	8.02	30.23	79.46
2482	0.84	3.800	6.63	5.57	85.02
2576	0.94	1.000	1.75	1.64	86.66
2762	1.86	5.300	9.24	17.18	103.84
2853	0.91	7.200	12.53	11.41	115.25
2944	0.91	8.300	14.44	13.14	128.39
3037	0.93	8.000	13.92	12.94	141.33
3131	0.94	7.000	12.19	11.46	152.78
3222	0.91	8.300	14.44	13.14	165.92
3316	0.94	7.700	13.40	12.59	178.52
3502	1.86	6.700	11.67	21.70	200.22
3595	0.93	5.400	9.41	8.75	208.97
3687	0.92	4.900	8.54	7.86	216.83
3750	0.63	5.200	9.06	5.71	222.54
3812	0.62	4.900	8.54	5.30	227.83
3875	0.63	4.500	7.85	4.94	232.78
3937	0.62	5.200	9.06	5.62	238.39
4000	0.63	5.300	9.24	5.82	244.21
4094	0.94	5.000	8.72	8.19	252.41
4186	0.92	5.100	8.89	8.18	260.59
4281	0.95	5.200	9.06	8.61	269.20
4343	0.62	5.300	9.24	5.73	274.92
4420	0.77	5.300	9.24	7.11	282.03
	-44.20		0.00	0.00	282.03
	0.00		0.00	0.00	282.03
	0.00		0.00	0.00	282.03
	0.00		0.00	0.00	282.03

THIS INFORMATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

SIGNATURE OF AUTHORIZED REPRESENTATIVE 	NAME OF COMPANY KEY ENERGY DRILLING, INC.
NAME OF PERSON AND TITLE CHOYR GILBERT - CONTRACT MANAGER	TELEPHONE NUMBER (915) 570-0494