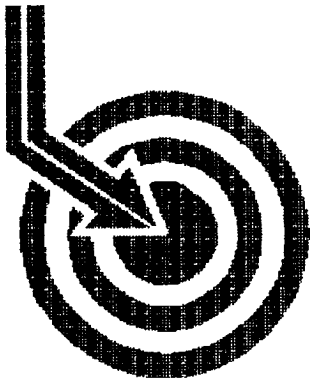




Scientific Drilling

OXY PERMIAN

Field: South Hobbs
Site: Lea County, NM
Well: SHU #242
Wellpath: CH - Job #32K1200555/554
Survey: 12/29/00-1/5/01

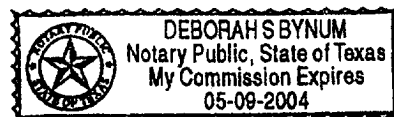
30-025-35305
SUR: H-5-19s-38e
1556/N & 1102/E
BHL: A-5-19s-38e
1306/N & 599/E

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

Lesly Moody.....Company Representative

Notorized this date 20th of February, 2001.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: OXY PERMIAN Field: South Hobbs Site: Lea County, NM Well: SHU #242 Wellpath: CH - Job #32K1200555/554	Date: 2/14/2001 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 13:06:03 Site: Lea County, NM, True North SITE 0.0 above Mean Sea Level Well (0.0E,0.0N,63.6Azi) Minimum Curvature	Page: 1
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Survey: 12/29/00-1/5/01
KSRG 0'-1575'/ST 1624'-434'

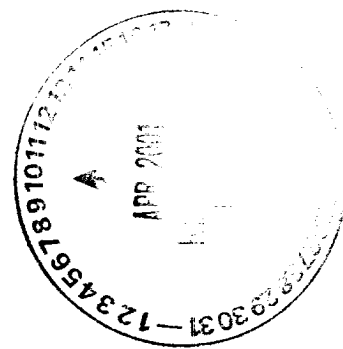
Start Date: 2/14/2001

Company: Scientific Drilling Internatio
Tool:

Engineer: RD Brusenhan

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	0.21	256.71	100.0	-0.2	0.0	-0.2	0.2	256.71
200.0	0.31	232.97	200.0	-0.6	-0.2	-0.6	0.6	246.65
300.0	0.20	204.32	300.0	-1.0	-0.6	-0.9	1.0	236.52
400.0	0.27	192.30	400.0	-1.3	-1.0	-1.0	1.4	225.71
500.0	0.40	218.96	500.0	-1.8	-1.5	-1.3	1.9	220.62
600.0	0.33	224.37	600.0	-2.4	-1.9	-1.7	2.6	220.81
700.0	0.19	197.70	700.0	-2.7	-2.3	-1.9	3.0	219.91
800.0	1.08	328.32	800.0	-2.9	-1.7	-2.5	3.0	236.15
900.0	1.14	325.26	900.0	-3.2	0.0	-3.5	3.5	269.39
1000.0	1.14	335.11	999.9	-3.3	1.7	-4.5	4.8	290.42
1100.0	1.02	348.69	1099.9	-3.0	3.5	-5.1	6.2	304.08
1200.0	0.52	49.12	1199.9	-2.4	4.6	-4.9	6.8	313.11
1300.0	0.60	48.29	1299.9	-1.4	5.3	-4.2	6.7	321.40
1400.0	0.60	23.14	1399.9	-0.5	6.1	-3.6	7.1	329.38
1500.0	0.74	16.57	1499.9	0.3	7.2	-3.2	7.9	335.90
1575.0	0.77	351.81	1574.9	0.8	8.2	-3.2	8.8	338.87
1624.0	0.30	339.40	1623.9	0.9	8.6	-3.2	9.2	339.34
1717.0	1.90	85.00	1716.9	2.4	9.0	-1.8	9.2	348.68
1809.0	3.80	88.60	1808.8	6.6	9.2	2.8	9.6	16.79
1905.0	6.20	88.30	1904.4	14.2	9.4	11.1	14.6	49.79
2000.0	8.70	84.40	1998.6	25.5	10.3	23.4	25.6	66.32
2094.0	11.20	76.90	2091.2	41.1	13.0	39.4	41.5	71.69
2188.0	13.30	66.90	2183.0	60.7	19.3	58.2	61.4	71.62
2282.0	14.10	62.50	2274.4	83.0	28.9	78.3	83.5	69.77
2408.0	13.00	64.30	2396.8	112.5	42.1	104.7	112.9	68.09
2470.0	13.40	62.70	2457.2	126.7	48.4	117.4	127.0	67.58
2564.0	13.90	64.40	2548.6	148.8	58.3	137.2	149.1	66.98
2658.0	12.60	60.60	2640.1	170.4	68.2	156.4	170.6	66.43
2753.0	12.60	63.40	2732.8	191.1	77.9	174.6	191.3	65.95
2844.0	11.50	64.80	2821.8	210.1	86.2	191.7	210.2	65.78
2938.0	12.80	66.20	2913.7	229.9	94.4	209.7	230.0	65.76
3032.0	12.90	59.90	3005.3	250.7	103.9	228.3	250.9	65.53
3126.0	13.50	57.00	3096.8	272.1	115.1	246.6	272.2	64.97
3220.0	13.50	57.30	3188.2	293.9	127.0	265.1	293.9	64.39
3282.0	13.20	56.30	3248.5	308.1	134.9	277.0	308.1	64.04
3343.0	13.00	61.70	3308.0	321.9	142.0	288.9	321.9	63.82
3406.0	13.00	64.30	3369.3	336.1	148.4	301.5	336.1	63.79
3469.0	13.40	64.00	3430.7	350.4	154.7	314.4	350.4	63.80
3531.0	13.50	62.70	3491.0	364.9	161.2	327.3	364.9	63.79
3593.0	14.40	63.50	3551.2	379.8	167.9	340.7	379.8	63.76
3656.0	14.50	63.20	3612.2	395.5	175.0	354.7	395.5	63.74
3719.0	13.00	63.90	3673.4	410.5	181.7	368.1	410.5	63.74
3782.0	13.80	63.20	3734.6	425.1	188.2	381.2	425.1	63.73
3845.0	14.00	62.80	3795.8	440.2	195.0	394.7	440.2	63.70
3876.0	14.00	62.40	3825.9	447.7	198.5	401.3	447.7	63.68
3936.0	13.30	61.30	3884.2	461.9	205.2	413.8	461.9	63.63
4031.0	13.70	63.40	3976.6	484.1	215.4	433.5	484.1	63.57



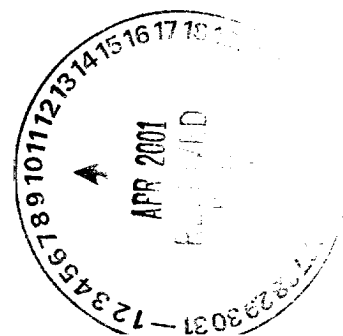
Scientific Drilling International

Survey Report

Company: OXY PERMIAN Field: South Hobbs Site: Lea County, NM Well: SHU #242 Wellpath: CH - Job #32K1200555/554	Date: 2/14/2001 Time: 13:08:03 Page: 2 Co-ordinate(NE) Reference: Site: Lea County, NM, True North Vertical (TVD) Reference: SITE 0.0 above Mean Sea Level Section (VS) Reference: Well (0.0E,0.0N,63.6Azi) Survey Calculation Method: Minimum Curvature
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Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	Clad ft	Clad deg
4130.0	14.30	63.40	4072.6	508.0	226.2	454.9	508.0	63.56
4163.0	14.30	63.30	4104.6	516.2	229.8	462.2	516.2	63.56
4257.0	14.40	64.40	4195.7	539.4	240.1	483.1	539.4	63.57
4343.0	14.40	64.00	4279.0	560.8	249.4	502.3	560.8	63.60

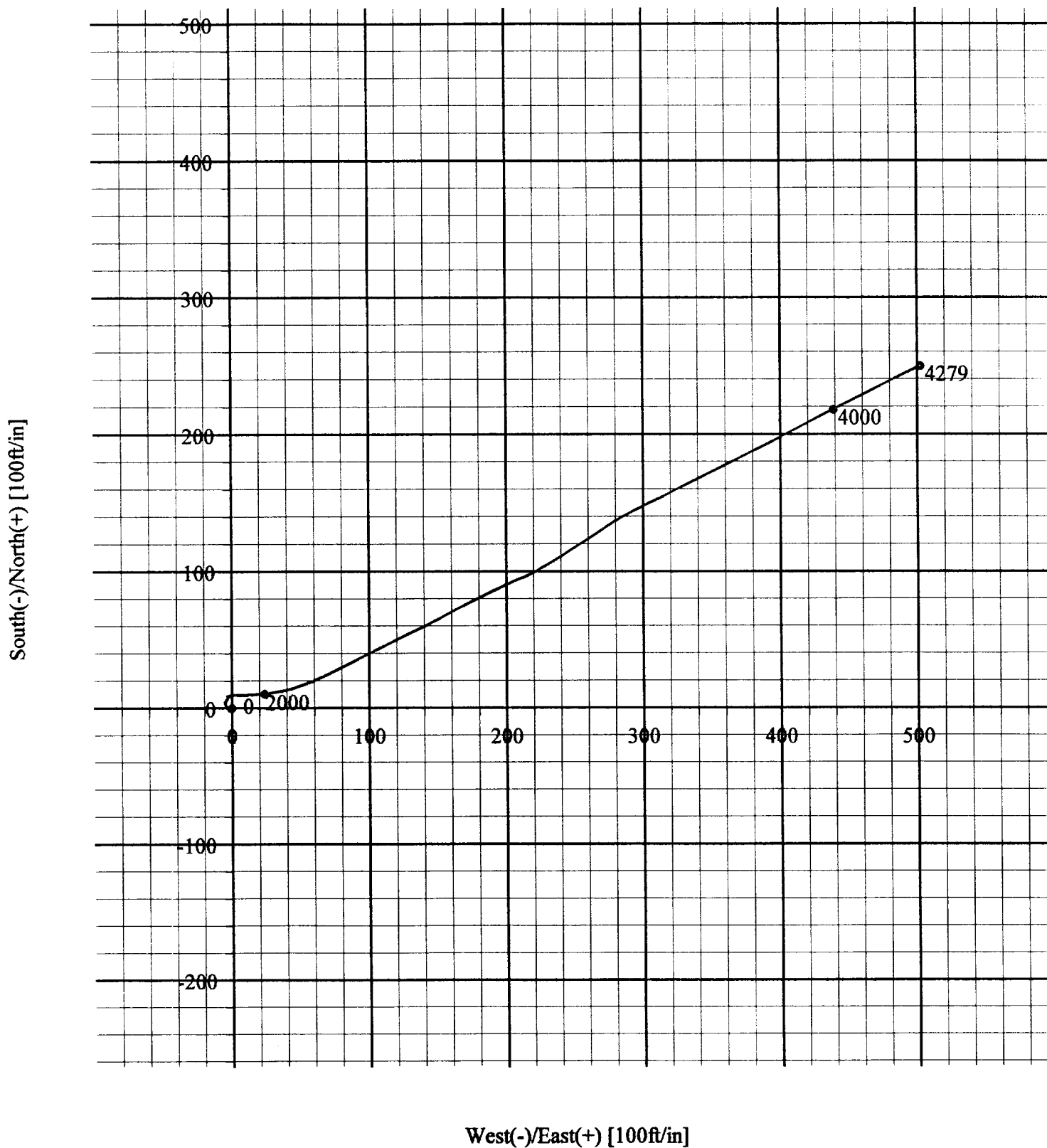


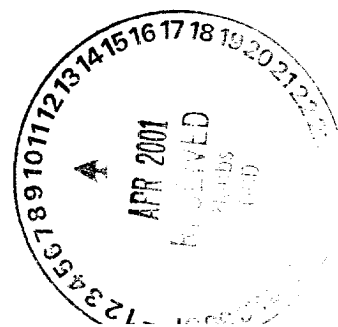


Scientific
Drilling

Field: South Hobbs
ite: Lea County, NM
Well: SHU #242
Wellpath: CH - Job #32K1200555/554
Survey: 12/29/00-1/5/01

1/|V|
↑
All Angles Relative
To True North
True North: 0.00
Magnetic North: 0.00







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

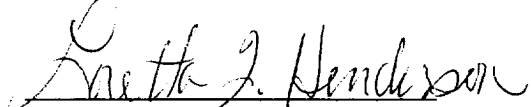
Lease Name: SOUTH HOBBS UNIT
Well Number: #242
County/State: LEA, NM
Operator: OCCIDENTAL PERMIAN, LTD(Operator No. 617544)
Address: P.O. BOX 4294
Address: HOUSTON, TX 77210-4294
Location:

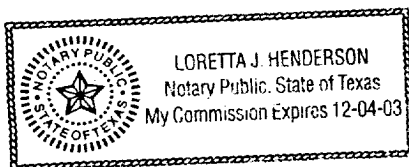
I, **CHOYR GILBERT**, Contract Manager for Key Energy Drilling, Inc., PO Box 1295, Midland, TX 79702, declare that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on this form and that such data and facts are true, correct, and complete to the best of my knowledge.

Sworn to and Subscribed Before Me by the said

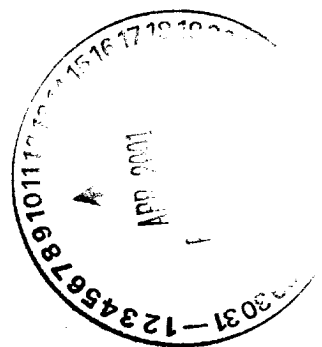

CHOYR GILBERT
Contract Manager

This the 19TH day of JANUARY, 2001


Signature of Notary Public
In and for the State of Texas



LORETTA J. HENDERSON
Print Name of Notary Public



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

INCLINATION REPORT

FIELD NAME Hobbs; Grayburg-San Andres	LEASE NAME SOUTH HOBBS (GSA) Unit	WELL NUMBER 242
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OPERATOR OCCIDENTAL PERMIAN Limited Partnership	COUNTY LEA
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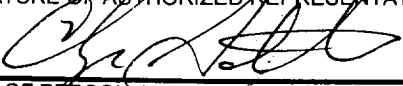
ADDRESS P.O. BOX 4294, HOUSTON, TX 77210-4294
--

LOCATION Lot No. 1, Sec. 5, T-19-S, R-38-E
--

RECORD OF INCLINATION

MEASURED DEPTH FEET	COURSE LENGTH HUNDREDS OF FEET	ANGLE OF INCLINATION DEGREE	DISPLACEMENT PER HUNDRED FEET	COURSE DISPLACEMENT FEET	ACCUMULATIVE DISPLACEMENT
242	2.42	1.75	3.05	7.39	7.39
502	2.60	1.25	2.18	5.67	13.06
705	2.03	0.50	0.87	1.77	14.83
1084	3.79	1.00	1.75	6.61	21.45
1465	3.81	0.50	0.87	3.32	24.77
1624	1.59	0.30	0.52	0.83	25.61
1717	0.93	1.90	3.32	3.08	28.69
1809	0.92	3.80	6.63	6.10	34.79
1905	0.96	6.20	10.80	10.37	45.15
2094	1.89	11.20	19.42	36.71	81.86
2282	1.88	14.10	24.36	45.80	127.66
2470	1.88	13.40	23.17	43.57	171.23
2658	1.88	12.60	21.81	41.01	212.24
2844	1.86	11.50	19.94	37.08	249.33
2938	0.94	12.80	22.15	20.83	270.15
3032	0.94	12.90	22.33	20.99	291.14
3126	0.94	13.50	23.34	21.94	313.08
3220	0.94	13.50	23.34	21.94	335.02
3282	0.62	13.20	22.84	14.16	349.18
3343	0.61	13.00	22.50	13.72	362.90
3469	1.26	13.40	23.17	29.20	392.10
3531	0.62	13.50	23.34	14.47	406.58
3593	0.62	14.40	24.87	15.42	422.00
3656	0.63	14.50	25.04	15.77	437.77
3719	0.63	13.00	22.50	14.17	451.94
3782	0.63	13.80	23.85	15.03	466.97
3845	0.63	14.00	24.19	15.24	482.21
4130	2.85	14.30	24.70	70.39	552.61
4163	0.33	14.30	24.70	8.15	560.76
4257	0.94	14.40	24.87	23.38	584.13
4343	0.86	14.40	24.87	21.39	605.52
	-43.43		0.00	0.00	605.52
	0.00		0.00	0.00	605.52

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

