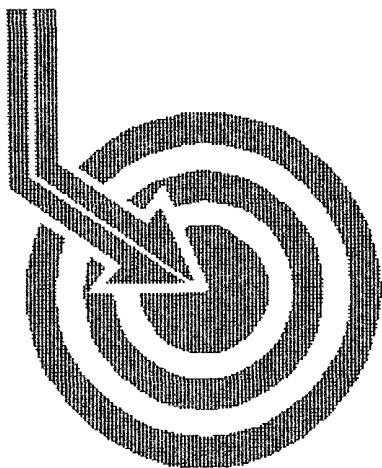




Scientific Drilling

RECEIVED

JUN 18 2010

HOBBSOCD

EOG

Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Horse 29 State #1H
Wellpath: VH - Job #32K0310154
Survey: 03/07/10

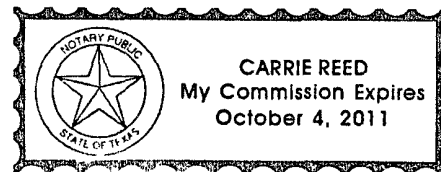
SUR: D-29-25s-34e, 330/N & 430/W
BHL: M-29-25s-34e, 4900/N & 490/W
API # 30-025-30633

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

Clayton
Company Representative

Notarized this date 28th of March, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: EOG	Date: 3/9/2010	Time: 08:44:30	Page: 1
Field: Red Hills Bone Springs	Co-ordinate(NE) Reference:	Site: Lea County, NM, Grid North	
Site: Lea County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Horse 29 State #1H	Section (VS) Reference:	Well (0.00N,0.00E,179.53Azi)	
Wellpath: VH - Job #32K0310154	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 03/07/10	Start Date: 3/7/2010
Company: Scientific Drilling Internatio	Engineer: Melendez w/Express
Tool: Keeper, Keeper Surface Readout Gyro	Tied-to: From Surface

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	359.56	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	1.16	182.28	100.0	1.0	-1.0	0.0	1.16	1.0	182.28
200.0	1.58	177.97	200.0	3.6	-3.6	0.0	0.43	3.6	180.13
300.0	1.82	168.64	299.9	6.6	-6.6	0.4	0.37	6.6	176.69
400.0	1.94	151.81	399.9	9.6	-9.6	1.5	0.56	9.7	170.90
500.0	2.24	131.97	499.8	12.4	-12.3	4.0	0.78	13.0	162.07
600.0	2.50	121.59	599.7	14.8	-14.8	7.4	0.50	16.5	153.48
700.0	2.47	119.21	699.6	17.1	-17.0	11.2	0.11	20.3	146.62
800.0	2.33	124.36	799.5	19.3	-19.1	14.7	0.26	24.1	142.45
900.0	2.08	123.26	899.4	21.4	-21.2	18.0	0.25	27.8	139.79
1000.0	1.90	118.79	999.4	23.3	-23.1	21.0	0.24	31.3	137.75
1100.0	1.52	125.03	1099.3	24.7	-24.5	23.5	0.42	34.0	136.20
1200.0	1.39	114.96	1199.3	26.0	-25.8	25.8	0.29	36.5	134.94
1300.0	1.28	117.02	1299.3	27.0	-26.7	27.8	0.12	38.6	133.88
1400.0	1.03	118.03	1399.3	27.8	-27.6	29.6	0.25	40.5	132.93
1500.0	1.04	117.29	1499.2	28.8	-28.5	31.2	0.02	42.3	132.48
1600.0	0.90	116.58	1599.2	29.6	-29.3	32.6	0.14	43.9	131.92
1700.0	0.94	124.15	1699.2	30.5	-30.2	34.0	0.13	45.4	131.62
1800.0	0.77	118.50	1799.2	31.3	-31.1	35.4	0.19	47.1	131.27
1900.0	0.82	129.63	1899.2	32.1	-31.8	36.5	0.16	48.4	131.03
2000.0	0.81	128.12	1999.2	33.1	-32.8	37.6	0.02	49.9	131.06
2100.0	0.82	127.40	2099.2	33.9	-33.6	38.6	0.01	51.2	131.01
2200.0	0.71	130.93	2199.2	34.8	-34.5	39.6	0.12	52.5	131.05
2300.0	0.65	123.10	2299.2	35.6	-35.3	40.6	0.11	53.8	130.96
2400.0	0.65	118.65	2399.2	36.3	-35.9	41.5	0.05	54.9	130.87
2500.0	0.69	105.32	2499.1	36.8	-36.4	42.6	0.16	56.1	130.50
2600.0	0.84	91.16	2599.1	37.0	-36.7	43.9	0.24	57.2	129.85
2700.0	0.96	85.43	2699.1	37.0	-36.6	45.4	0.15	58.4	128.87
2800.0	1.06	73.22	2799.1	36.7	-36.3	47.1	0.24	59.5	127.64
2900.0	1.02	71.93	2899.1	36.3	-35.9	48.8	0.05	60.6	126.30
3000.0	1.38	75.74	2999.1	35.7	-35.3	50.7	0.37	61.8	124.84
3100.0	1.86	74.82	3099.0	35.0	-34.6	53.5	0.48	63.7	122.90
3200.0	2.23	73.91	3199.0	34.0	-33.5	56.9	0.37	66.1	120.47
3300.0	2.88	75.96	3298.9	32.8	-32.3	61.4	0.66	69.3	117.76
3400.0	3.56	74.10	3398.7	31.4	-30.9	66.8	0.69	73.6	114.80
3500.0	3.71	73.81	3498.5	29.7	-29.2	73.0	0.15	78.6	111.78
3600.0	3.64	75.98	3598.3	28.0	-27.4	79.1	0.16	83.7	109.07
3700.0	3.38	73.87	3698.1	26.4	-25.7	85.1	0.29	88.9	106.83
3800.0	3.01	71.03	3797.9	24.7	-24.0	90.4	0.40	93.6	104.84
3900.0	2.79	72.88	3897.8	23.3	-22.5	95.1	0.24	97.7	103.31
4000.0	2.92	74.65	3997.7	22.0	-21.2	99.9	0.16	102.1	101.99
4100.0	2.76	75.61	4097.6	20.7	-19.8	104.8	0.17	106.6	100.72
4200.0	2.47	70.40	4197.5	19.3	-18.4	109.2	0.37	110.8	99.56
4300.0	2.06	71.08	4297.4	18.1	-17.2	112.8	0.41	114.1	98.65
4400.0	1.75	73.49	4397.3	17.0	-16.0	116.1	0.32	117.2	97.86
4500.0	1.99	80.02	4497.3	16.2	-15.2	119.1	0.32	120.0	97.27
4600.0	2.81	90.35	4597.2	15.9	-14.8	123.4	0.92	124.3	96.86
4700.0	2.52	95.19	4697.1	16.0	-15.0	128.2	0.37	129.1	96.67
4800.0	1.94	100.97	4797.0	16.6	-15.5	131.8	0.62	132.7	96.72



Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: EOG
Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Horse 29 State #1H
Wellpath: VH - Job #32K0310154

Date: 3/9/2010 Time: 08:44:30 Page: 2
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,179.53Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.0	1.97	99.67	4896.9	17.3	-16.2	135.3	0.05	136.3	96.83
5000.0	1.26	83.45	4996.9	17.6	-16.5	138.2	0.84	139.2	96.80
5100.0	0.51	329.02	5096.9	16.9	-15.8	138.7	1.54	139.6	96.49
5200.0	0.59	306.27	5196.9	16.1	-15.0	138.0	0.23	138.8	96.20
5300.0	0.49	291.62	5296.9	15.6	-14.5	137.3	0.17	138.0	96.04
5400.0	0.51	275.22	5396.9	15.6	-14.5	136.5	0.14	137.3	96.04
5500.0	0.46	276.00	5496.9	15.6	-14.5	135.8	0.05	136.5	96.08
5600.0	0.33	262.13	5596.9	15.5	-14.4	135.0	0.16	135.8	96.09
5700.0	0.37	237.37	5696.9	15.6	-14.5	134.5	0.16	135.3	96.16
5800.0	0.36	235.47	5796.9	15.8	-14.8	133.9	0.02	134.7	96.29
5900.0	0.50	252.65	5896.9	16.1	-15.0	133.1	0.19	133.9	96.44
6000.0	0.34	256.23	5996.9	16.2	-15.1	132.3	0.16	133.1	96.53
6100.0	0.36	244.35	6096.9	16.3	-15.2	131.5	0.08	132.4	96.58
6200.0	0.52	261.93	6196.9	16.5	-15.4	130.9	0.21	131.8	96.71
6300.0	0.49	253.33	6296.8	16.7	-15.6	130.1	0.08	131.0	96.86
6400.0	0.49	245.12	6396.8	17.0	-15.9	129.2	0.07	130.2	97.03
6500.0	0.52	250.65	6496.8	17.3	-16.2	128.4	0.06	129.4	97.20
6600.0	0.59	280.63	6596.8	17.4	-16.3	127.4	0.29	128.5	97.29
6700.0	0.52	259.67	6696.8	17.4	-16.3	126.6	0.21	127.6	97.35
6800.0	0.63	275.02	6796.8	17.5	-16.4	125.5	0.19	126.6	97.45
6900.0	0.63	279.72	6896.8	17.4	-16.3	124.5	0.05	125.6	97.47
7000.0	0.61	275.13	6996.8	17.2	-16.2	123.4	0.05	124.5	97.46
7100.0	0.60	275.02	7096.8	17.1	-16.1	122.3	0.01	123.3	97.49
7200.0	0.60	257.19	7196.8	17.1	-16.1	121.3	0.19	122.3	97.54
7300.0	0.65	271.46	7296.8	17.0	-16.0	120.1	0.16	121.2	97.60
7400.0	0.58	262.65	7396.8	17.0	-16.1	119.1	0.12	120.2	97.68
7500.0	0.59	270.85	7496.8	17.0	-16.1	118.0	0.08	119.1	97.75
7600.0	0.60	249.82	7596.8	17.2	-16.2	117.0	0.22	118.1	97.89
7700.0	0.56	226.08	7696.8	17.6	-16.6	116.0	0.24	117.2	98.16
7800.0	0.67	235.98	7796.8	18.2	-17.3	115.1	0.15	116.4	98.55
7900.0	0.74	233.95	7896.8	19.0	-18.0	114.1	0.07	115.5	98.98
8000.0	0.72	223.91	7996.8	19.8	-18.8	113.1	0.13	114.7	99.46
8100.0	0.78	223.50	8096.7	20.7	-19.8	112.2	0.06	114.0	99.98
8200.0	0.88	220.50	8196.7	21.7	-20.8	111.2	0.11	113.1	100.57
8300.0	0.99	214.87	8296.7	22.8	-21.9	110.1	0.14	112.3	101.27
8400.0	0.95	223.19	8396.7	24.2	-23.3	109.1	0.15	111.6	102.06
8500.0	1.09	207.53	8496.7	25.7	-24.8	108.1	0.31	110.9	102.91
8600.0	0.99	216.65	8596.7	27.2	-26.3	107.2	0.19	110.4	103.81
8700.0	1.00	209.66	8696.7	28.7	-27.8	106.2	0.12	109.8	104.67
8800.0	1.06	209.81	8796.6	30.2	-29.3	105.3	0.06	109.3	105.56
8900.0	0.93	216.33	8896.6	31.7	-30.9	104.4	0.17	108.8	106.47
9000.0	1.13	215.06	8996.6	33.0	-32.2	103.3	0.20	108.2	107.30
9100.0	1.06	217.97	9096.6	34.5	-33.7	102.0	0.09	107.4	108.27
9200.0	1.22	224.82	9196.6	35.8	-35.0	100.7	0.21	106.6	109.17
9300.0	1.13	234.38	9296.6	37.1	-36.3	99.3	0.22	105.7	110.10
9400.0	1.06	239.49	9396.5	38.3	-37.5	97.8	0.12	104.7	110.97
9500.0	0.97	250.79	9496.5	39.2	-38.4	96.4	0.22	103.8	111.73
9600.0	1.28	287.62	9596.5	39.3	-38.5	94.6	0.77	102.1	112.14
9700.0	1.74	306.25	9696.5	38.0	-37.3	92.3	0.67	99.5	112.00
9800.0	1.86	306.99	9796.4	36.3	-35.6	89.8	0.12	96.6	111.60
9900.0	2.14	302.45	9896.4	34.4	-33.7	87.1	0.32	93.4	111.16
10000.0	2.13	294.05	9996.3	32.6	-31.9	83.9	0.31	89.8	110.81



Scientific
Drilling

Scientific Drilling International, Inc.

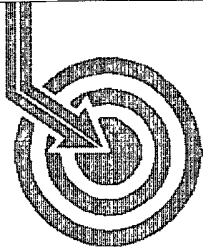
Survey Report

Company: EOG
Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Horse 29 State #1H
Wellpath: VH - Job #32K0310154

Date: 3/9/2010 Time: 08:44:30 Page: 3
Co-ordinate(NE) Reference: Site: Lea County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,179.53Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

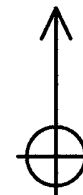
MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
10100.0	2.17	285.40	10096.2	31.4	-30.7	80.4	0.33	86.1	110.90
10200.0	2.21	282.10	10196.2	30.3	-29.7	76.6	0.13	82.2	111.19
10300.0	2.43	285.65	10296.1	29.3	-28.7	72.7	0.26	78.2	111.54
10400.0	2.57	280.29	10396.0	28.2	-27.7	68.4	0.27	73.8	112.03
10500.0	2.78	282.16	10495.9	27.3	-26.8	63.8	0.23	69.2	112.81
10600.0	2.64	277.86	10595.8	26.5	-26.0	59.1	0.25	64.5	113.77
10700.0	2.05	268.68	10695.7	26.2	-25.8	55.0	0.70	60.8	115.10
10800.0	1.99	254.65	10795.6	26.8	-26.4	51.2	0.50	57.6	117.29
10900.0	2.64	253.78	10895.5	27.9	-27.5	47.2	0.65	54.6	120.28
11000.0	2.83	252.55	10995.4	29.3	-29.0	42.6	0.20	51.5	124.20
11100.0	3.02	261.91	11095.3	30.5	-30.2	37.6	0.51	48.3	128.76
11200.0	3.08	272.28	11195.1	30.7	-30.4	32.4	0.55	44.4	133.23
11300.0	2.72	278.10	11295.0	30.3	-30.0	27.5	0.46	40.7	137.57
11400.0	2.75	282.84	11394.9	29.4	-29.2	23.0	0.23	37.2	141.77
11500.0	3.39	294.14	11494.8	27.7	-27.6	18.1	0.88	32.9	146.75
11600.0	4.47	300.66	11594.5	24.5	-24.4	12.0	1.17	27.1	153.85
11700.0	5.45	300.45	11694.1	20.0	-20.0	4.6	0.98	20.5	167.09
11789.0	5.93	300.36	11782.7	15.4	-15.4	-3.1	0.54	15.8	191.52



**Scientific
Drilling**

**Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Horse 29 State #1H
Survey: 03/07/10**

G/T/M



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°
Magnetic Field
Dip Angle: 0.00°
Date: 3/9/2010
Model: igrf2000

West(-)/East(+) [20ft/in]

South(-)/North(+) [20ft/in]

