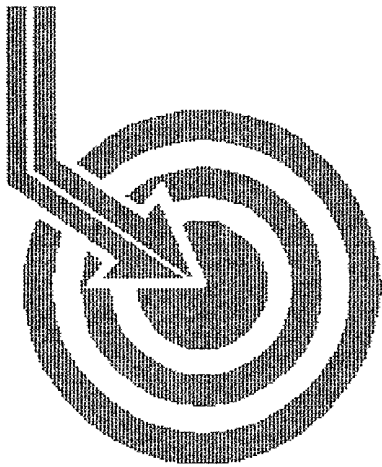




30-025-39560

Scientific Drilling

RECEIVED

MAY 17 2010

HOBBSD

EOG

Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Falcon 25 Fed #1
Wellpath: VH - Job #32K0110038
Survey: 01/17/10

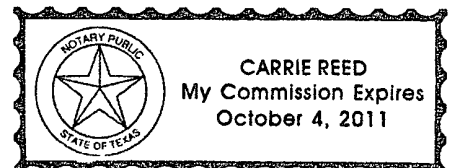
SUR: C-25-24s-33e, 330/N & 2210/W
BHL: N-25-24s-33e, 4900/N & 2022/W
API # 30-025-39560

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

Richardson
Company Representative

Notorized this date 16th of February, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: EOG
Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Falcon 25 Fed #1
Wellpath: VH - Job #32K0110038

Date: 2/15/2010 Time: 22:17:47 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,147.89Azi)
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	1.75	119.45	4897.5	119.5	-104.8	57.9	0.38	119.7	151.08
5000.0	1.20	109.80	4997.4	121.7	-105.9	60.2	0.60	121.8	150.38
5100.0	0.67	91.63	5097.4	122.8	-106.2	61.8	0.60	122.9	149.83
5200.0	0.72	94.68	5197.4	123.5	-106.3	63.0	0.06	123.6	149.36
5300.0	0.67	224.53	5297.4	124.0	-106.8	63.2	1.26	124.1	149.39
5400.0	1.20	229.56	5397.4	124.3	-107.9	62.0	0.54	124.4	150.12
5500.0	1.20	231.20	5497.4	124.6	-109.2	60.4	0.03	124.8	151.07
5600.0	1.21	230.48	5597.4	124.9	-110.5	58.7	0.02	125.2	152.02
5700.0	1.23	231.43	5697.3	125.1	-111.9	57.1	0.03	125.6	152.97
5800.0	1.14	229.45	5797.3	125.4	-113.2	55.5	0.10	126.1	153.89
5900.0	1.23	233.95	5897.3	125.6	-114.5	53.9	0.13	126.5	154.80
6000.0	1.17	232.64	5997.3	125.8	-115.7	52.2	0.07	126.9	155.73
6100.0	1.13	234.12	6097.3	125.9	-116.9	50.6	0.05	127.4	156.61
6200.0	1.23	251.18	6197.2	125.7	-117.8	48.8	0.36	127.5	157.52
6300.0	0.93	240.79	6297.2	125.5	-118.6	47.0	0.36	127.6	158.37
6400.0	0.92	243.60	6397.2	125.3	-119.3	45.6	0.05	127.8	159.09
6500.0	0.87	237.07	6497.2	125.3	-120.1	44.3	0.11	128.0	159.78
6600.0	0.96	247.39	6597.2	125.1	-120.8	42.8	0.19	128.2	160.48
6700.0	0.95	247.84	6697.2	124.9	-121.5	41.3	0.01	128.3	161.22
6800.0	0.94	247.57	6797.1	124.6	-122.1	39.8	0.01	128.4	161.96
6900.0	0.83	258.98	6897.1	124.2	-122.6	38.3	0.21	128.4	162.64
7000.0	0.81	270.00	6997.1	123.5	-122.7	36.9	0.16	128.1	163.27
7100.0	0.72	278.54	7097.1	122.7	-122.6	35.6	0.15	127.7	163.83
7200.0	0.85	283.55	7197.1	121.8	-122.3	34.2	0.15	127.0	164.37
7300.0	1.09	292.47	7297.1	120.5	-121.8	32.6	0.28	126.1	165.01
7400.0	0.73	287.87	7397.1	119.2	-121.2	31.1	0.37	125.2	165.60
7500.0	0.63	289.03	7497.1	118.3	-120.9	30.0	0.10	124.5	166.06
7600.0	0.58	286.29	7597.1	117.5	-120.5	29.0	0.06	124.0	166.47
7700.0	0.57	292.81	7697.1	116.7	-120.2	28.1	0.07	123.4	166.86
7800.0	0.52	302.41	7797.1	115.9	-119.8	27.2	0.10	122.8	167.20
7900.0	0.40	292.42	7897.1	115.2	-119.4	26.5	0.14	122.3	167.48
8000.0	0.18	242.22	7997.1	114.9	-119.3	26.0	0.32	122.1	167.69
8100.0	0.37	168.97	8097.1	115.2	-119.7	26.0	0.36	122.5	167.76
8200.0	0.44	165.78	8197.0	115.9	-120.4	26.1	0.07	123.2	167.76
8300.0	0.39	182.38	8297.0	116.5	-121.1	26.2	0.13	123.9	167.79
8400.0	0.56	181.93	8397.0	117.2	-122.0	26.2	0.17	124.7	167.89
8500.0	0.74	177.65	8497.0	118.2	-123.1	26.2	0.19	125.8	167.99
8600.0	0.66	159.93	8597.0	119.3	-124.3	26.4	0.23	127.1	168.00
8700.0	0.61	133.28	8697.0	120.4	-125.2	27.0	0.30	128.1	167.83
8800.0	0.71	122.64	8797.0	121.5	-125.9	27.9	0.16	128.9	167.50
8900.0	0.81	110.85	8897.0	122.6	-126.5	29.1	0.19	129.8	167.05
9000.0	0.88	106.05	8997.0	123.7	-126.9	30.5	0.10	130.5	166.50
9100.0	0.86	91.59	9097.0	124.7	-127.2	32.0	0.22	131.1	165.89
9200.0	0.91	86.40	9197.0	125.5	-127.1	33.5	0.09	131.5	165.23
9300.0	0.90	84.41	9297.0	126.2	-127.0	35.1	0.03	131.8	164.56
9400.0	1.28	86.66	9396.9	127.1	-126.9	37.0	0.38	132.2	163.75
9500.0	1.65	90.58	9496.9	128.4	-126.8	39.5	0.38	132.8	162.68
9600.0	1.55	77.59	9596.9	129.7	-126.5	42.3	0.38	133.4	161.52
9700.0	1.44	69.72	9696.8	130.4	-125.8	44.8	0.23	133.6	160.40
9800.0	1.21	64.53	9796.8	130.8	-124.9	46.9	0.26	133.5	159.41
9900.0	1.35	21.42	9896.8	130.2	-123.4	48.3	0.95	132.5	158.61
10000.0	1.37	37.36	9996.8	129.1	-121.3	49.5	0.38	131.0	157.82



Scientific
Drilling

Scientific Drilling International, Inc.

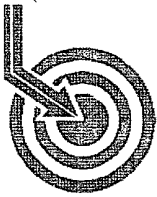
Survey Report

Company: EOG
Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Falcon 25 Fed #1
Wellpath: VH - Job #32K0110038

Date: 2/15/2010 Time: 22:17:47 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,147.89Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

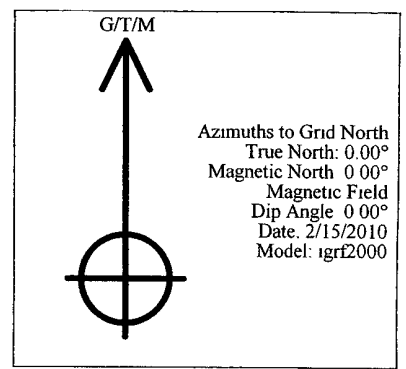
Survey

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	1.23	68.69	10096.7	128.8	-120.0	51.2	0.71	130.5	156.89
10200.0	1.74	88.44	10196.7	129.8	-119.6	53.7	0.72	131.1	155.81
10300.0	1.94	97.57	10296.7	131.7	-119.7	56.9	0.35	132.6	154.58
10400.0	2.12	99.28	10396.6	134.0	-120.3	60.4	0.19	134.6	153.33
10500.0	2.63	97.61	10496.5	136.7	-120.9	64.5	0.51	137.0	151.91
10600.0	2.73	95.06	10596.4	139.6	-121.4	69.2	0.16	139.7	150.33
10700.0	1.48	98.11	10696.3	141.8	-121.8	72.8	1.25	141.9	149.12
10800.0	1.00	112.53	10796.3	143.4	-122.3	74.9	0.57	143.4	148.51
10893.0	1.75	97.18	10889.3	145.0	-122.8	77.1	0.89	145.0	147.89



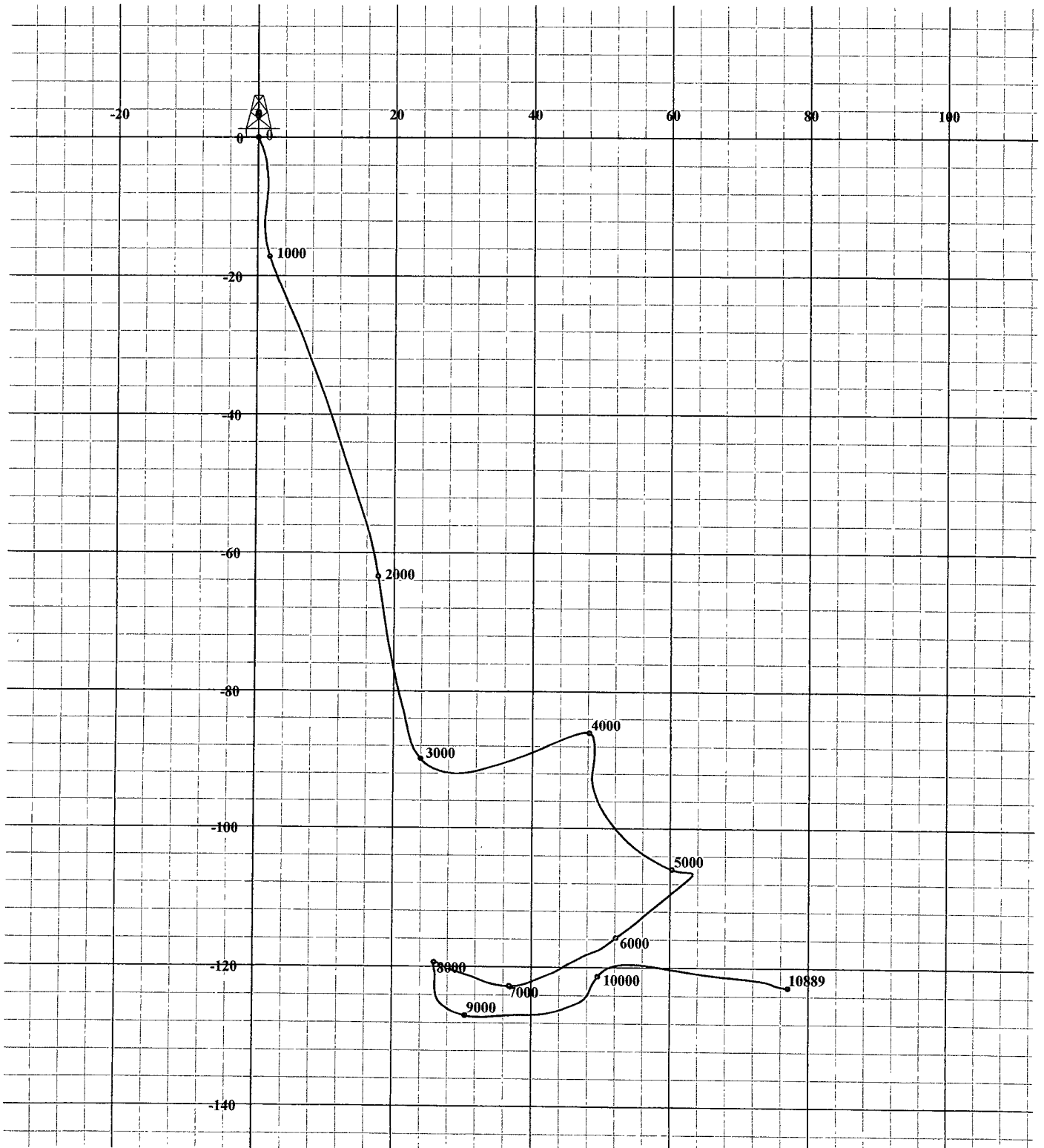
Scientific
Drilling

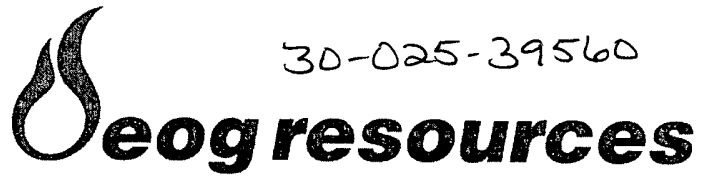
Field: Red Hills Bone Springs
Site: Lea County, NM
Well: Falcon 25 Fed #1
Survey: 01/17/10



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

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





30-025-39560

EOG Resources, Inc.

Lea County
Falcon "25 Fed
#1H
OH

Survey: MWD #1

Pathfinder X & Y Survey Report

31 January, 2010

PATHFINDER



Pathfinder Energy Services

Pathfinder X & Y Survey Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Site:	Falcon "25 Fed	MD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland Database

Project		Lea County	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Falcon "25 Fed			
Site Position:		Northing:	435,523.700 ft	Latitude:	32° 11' 41.282 N
From:	Map	Easting:	749,443.000 ft	Longitude:	103° 31' 37.081 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.43 °

Well	#1H					
Well Position	+N/-S	0.00 ft	Northing:	435,523.700 ft	Latitude:	32° 11' 41.282 N
	+E/-W	0.00 ft	Easting:	749,443.000 ft	Longitude:	103° 31' 37.081 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,567.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	01/19/2010	7.73	60.20	48,742

Design	OH			
Audit Notes:				
Version:	1.0	Phase:	ACTUAL	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	182.40

Survey Program		Date	01/31/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
8,974.00	13,685.00	MWD #1 (OH)	MWD	MWD - Standard	



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Site:	Falcon #25 Fed	MD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland Database

Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
8,900.00	0.81	110.85	8,897.01	5,300.01	-126.47	29.09	125.14	0.00	435,397.23	749,472.09	
8,974.00	2.29	161.55	8,970.98	5,373.98	-128.06	30.04	126.69	2.55	435,395.64	749,473.04	
9,005.00	4.75	170.51	9,001.92	5,404.92	-129.91	30.45	128.52	8.11	435,393.79	749,473.45	
9,037.00	8.62	175.43	9,033.70	5,436.70	-133.61	30.86	132.20	12.21	435,390.09	749,473.86	
9,068.00	13.19	178.16	9,064.13	5,467.13	-139.46	31.16	138.04	14.83	435,384.24	749,474.16	
9,099.00	18.11	180.01	9,093.97	5,496.97	-147.82	31.27	146.38	15.95	435,375.88	749,474.27	
9,131.00	23.04	180.18	9,123.92	5,526.92	-159.06	31.25	157.62	15.41	435,364.64	749,474.25	
9,162.00	27.00	181.50	9,152.01	5,555.01	-172.17	31.05	170.72	12.90	435,351.53	749,474.05	
9,193.00	30.34	182.11	9,179.20	5,582.20	-187.03	30.57	185.59	10.82	435,336.67	749,473.57	
9,225.00	33.50	181.59	9,206.36	5,609.36	-203.94	30.03	202.51	9.91	435,319.76	749,473.03	
9,257.00	36.49	181.59	9,232.57	5,635.57	-222.29	29.52	220.85	9.34	435,301.41	749,472.52	
9,288.00	40.10	181.50	9,256.90	5,659.90	-241.49	29.01	240.06	11.65	435,282.21	749,472.01	
9,319.00	43.18	181.76	9,280.06	5,683.06	-262.07	28.42	260.65	9.95	435,261.63	749,471.42	
9,351.00	46.34	181.68	9,302.78	5,705.78	-284.59	27.74	283.18	9.88	435,239.11	749,470.74	
9,382.00	48.98	182.29	9,323.66	5,726.66	-307.49	26.95	306.09	8.64	435,216.21	749,469.95	
9,413.00	52.32	182.82	9,343.31	5,746.31	-331.43	25.88	330.06	10.85	435,192.27	749,468.88	
9,445.00	55.22	182.73	9,362.22	5,765.22	-357.21	24.63	355.87	9.07	435,166.49	749,467.63	
9,476.00	58.30	182.29	9,379.21	5,782.21	-383.11	23.49	381.79	10.01	435,140.59	749,466.49	
9,507.00	61.38	181.32	9,394.79	5,797.79	-409.90	22.65	408.59	10.30	435,113.80	749,465.65	
9,539.00	64.90	181.50	9,409.24	5,812.24	-438.44	21.95	437.13	11.01	435,085.26	749,464.95	
9,570.00	68.06	181.41	9,421.61	5,824.61	-466.85	21.23	465.55	10.20	435,056.85	749,464.23	
9,601.00	70.70	181.41	9,432.53	5,835.53	-495.85	20.51	494.56	8.52	435,027.85	749,463.51	
9,633.00	73.86	181.68	9,442.27	5,845.27	-526.32	19.69	525.03	9.91	434,997.38	749,462.69	
9,664.00	77.65	181.59	9,449.89	5,852.89	-556.35	18.83	555.07	12.23	434,967.35	749,461.83	
9,695.00	82.22	181.94	9,455.31	5,858.31	-586.85	17.89	585.58	14.78	434,936.85	749,460.89	
9,726.00	85.74	182.55	9,458.56	5,861.56	-617.65	16.69	616.41	11.52	434,906.05	749,459.69	
9,757.00	86.61	183.35	9,460.63	5,863.63	-648.54	15.09	647.33	3.81	434,875.16	749,458.09	



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Site:	Falcon "25 Fed	MD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland Database

Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
9,789.00	86.53	182.64	9,462.54	5,865.54	-680.43	13.42	679.28	2.23	434,843.27	749,456.42
9,820.00	86.79	183.08	9,464.35	5,867.35	-711.34	11.88	710.22	1.65	434,812.36	749,454.88
9,851.00	86.61	183.08	9,466.13	5,869.13	-742.25	10.22	741.17	0.58	434,781.45	749,453.22
9,883.00	88.46	182.20	9,467.51	5,870.51	-774.18	8.75	773.14	6.40	434,749.52	749,451.75
9,914.00	89.87	181.68	9,467.96	5,870.96	-805.16	7.70	804.13	4.85	434,718.54	749,450.70
9,945.00	89.96	181.85	9,468.01	5,871.01	-836.15	6.74	835.13	0.62	434,687.55	749,449.74
9,977.00	90.13	181.68	9,467.98	5,870.98	-868.13	5.76	867.13	0.75	434,655.57	749,448.76
10,008.00	90.13	181.41	9,467.91	5,870.91	-899.12	4.92	898.12	0.87	434,624.58	749,447.92
10,039.00	90.31	181.76	9,467.79	5,870.79	-930.11	4.06	929.12	1.27	434,593.59	749,447.06
10,133.00	90.92	181.68	9,466.78	5,869.78	-1,024.06	1.24	1,023.11	0.65	434,499.64	749,444.24
10,227.00	92.42	183.26	9,464.04	5,867.04	-1,117.93	-2.81	1,117.06	2.32	434,405.77	749,440.19
10,321.00	92.15	183.52	9,460.30	5,863.30	-1,211.69	-8.36	1,210.97	0.40	434,312.01	749,434.64
10,383.00	88.46	183.70	9,459.97	5,862.97	-1,273.55	-12.26	1,272.95	5.96	434,250.15	749,430.74
10,415.00	88.29	183.35	9,460.87	5,863.87	-1,305.48	-14.23	1,304.93	1.22	434,218.22	749,428.77
10,477.00	89.87	182.64	9,461.87	5,864.87	-1,367.38	-17.47	1,366.92	2.79	434,156.32	749,425.53
10,536.00	90.66	182.47	9,461.60	5,864.60	-1,426.32	-20.10	1,425.91	1.37	434,097.38	749,422.90
10,600.00	89.78	183.61	9,461.35	5,864.35	-1,490.23	-23.49	1,489.91	2.25	434,033.47	749,419.51
10,663.00	89.43	183.52	9,461.79	5,864.79	-1,553.11	-27.41	1,552.89	0.57	433,970.59	749,415.59
10,727.00	90.48	182.99	9,461.84	5,864.84	-1,617.00	-31.05	1,616.88	1.84	433,906.70	749,411.95
10,790.00	91.54	183.17	9,460.73	5,863.73	-1,679.90	-34.43	1,679.87	1.71	433,843.80	749,408.57
10,854.00	90.48	183.70	9,459.60	5,862.60	-1,743.78	-38.26	1,743.85	1.85	433,779.92	749,404.74
10,918.00	89.78	182.55	9,459.45	5,862.45	-1,807.68	-41.75	1,807.84	2.10	433,716.02	749,401.25
10,981.00	90.04	182.11	9,459.55	5,862.55	-1,870.63	-44.31	1,870.84	0.81	433,653.07	749,398.69
11,049.00	90.75	181.94	9,459.08	5,862.08	-1,938.58	-46.72	1,938.84	1.07	433,585.12	749,396.28
11,113.00	90.40	182.47	9,458.44	5,861.44	-2,002.53	-49.18	2,002.83	0.99	433,521.17	749,393.82
11,176.00	90.04	182.11	9,458.20	5,861.20	-2,065.48	-51.70	2,065.83	0.81	433,458.22	749,391.30
11,272.00	90.13	180.80	9,458.06	5,861.06	-2,161.45	-54.13	2,161.82	1.37	433,362.25	749,388.87

Company: EOG Resources, Inc.
Project: Lea County
Site: Falcon "25 Fed
Well: #1H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #1H
TVD Reference: WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
MD Reference: WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: Midland Database

Survey

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
11,368.00	90.92	183.08	9,457.18	5,860.18	-2,257.38	-57.38	2,257.80	2.51	433,266.32	749,385.62
11,463.00	91.01	182.38	9,455.58	5,858.58	-2,352.26	-61.91	2,352.79	0.74	433,171.44	749,381.09
11,559.00	91.28	183.85	9,453.66	5,856.66	-2,448.09	-67.12	2,448.76	1.56	433,075.61	749,375.88
11,655.00	89.43	182.73	9,453.06	5,856.06	-2,543.93	-72.63	2,544.74	2.25	432,979.77	749,370.37
11,747.00	90.31	183.26	9,453.27	5,856.27	-2,635.80	-77.44	2,636.73	1.12	432,887.90	749,365.56
11,846.00	90.48	183.08	9,452.59	5,855.59	-2,734.65	-82.91	2,735.72	0.25	432,789.05	749,360.09
11,942.00	90.13	182.11	9,452.08	5,855.08	-2,830.55	-87.26	2,831.72	1.07	432,693.15	749,355.74
12,038.00	90.40	182.20	9,451.63	5,854.63	-2,926.48	-90.87	2,927.72	0.30	432,597.22	749,352.13
12,134.00	90.48	183.17	9,450.90	5,853.90	-3,022.37	-95.37	3,023.71	1.01	432,501.33	749,347.63
12,229.00	90.57	184.66	9,450.03	5,853.03	-3,117.14	-101.85	3,118.67	1.57	432,406.56	749,341.15
12,325.00	90.22	184.66	9,449.36	5,852.36	-3,212.82	-109.65	3,214.59	0.36	432,310.88	749,333.35
12,420.00	90.57	184.05	9,448.71	5,851.71	-3,307.54	-116.86	3,309.54	0.74	432,216.16	749,326.14
12,515.00	91.71	184.22	9,446.82	5,849.82	-3,402.28	-123.71	3,404.47	1.21	432,121.42	749,319.29
12,611.00	90.84	183.87	9,444.68	5,847.68	-3,498.01	-130.48	3,500.41	0.98	432,025.69	749,312.52
12,706.00	90.92	183.78	9,443.22	5,846.22	-3,592.79	-136.82	3,595.37	0.13	431,930.91	749,306.18
12,770.00	90.66	183.43	9,442.34	5,845.34	-3,656.66	-140.84	3,659.35	0.68	431,867.04	749,302.16
12,834.00	89.78	183.26	9,442.10	5,845.10	-3,720.55	-144.58	3,723.34	1.40	431,803.15	749,298.42
12,898.00	89.78	182.99	9,442.34	5,845.34	-3,784.45	-148.07	3,787.33	0.42	431,739.25	749,294.93
12,993.00	90.57	182.47	9,442.05	5,845.05	-3,879.34	-152.59	3,882.33	1.00	431,644.36	749,290.41
13,089.00	89.34	182.29	9,442.13	5,845.13	-3,975.26	-156.58	3,978.33	1.29	431,548.44	749,286.42
13,185.00	89.08	181.50	9,443.45	5,846.45	-4,071.19	-159.75	4,074.31	0.87	431,452.51	749,283.25
13,280.00	89.87	183.35	9,444.32	5,847.32	-4,166.10	-163.77	4,169.30	2.12	431,357.60	749,279.23
13,376.00	91.54	183.78	9,443.14	5,846.14	-4,261.90	-169.74	4,265.27	1.80	431,261.80	749,273.26
13,440.00	90.66	183.70	9,441.91	5,844.91	-4,325.75	-173.91	4,329.24	1.38	431,197.95	749,269.09
13,504.00	89.52	183.70	9,441.81	5,844.81	-4,389.62	-178.04	4,393.23	1.78	431,134.08	749,264.96
13,568.00	89.43	183.08	9,442.40	5,845.40	-4,453.50	-181.83	4,457.21	0.98	431,070.20	749,261.17
13,633.00	88.90	182.64	9,443.34	5,846.34	-4,518.42	-185.07	4,522.20	1.06	431,005.28	749,257.93



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Site:	Falcon "25 Fed	MD Reference:	WELL2 @ 3597.00ft (30'KB Correction (Cactus#1
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Midland Database

Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
13,685.00	88.90	182.64	9,444.34	5,847.34	-4,570.35	-187.47	4,574.19	0.00	430,953.35	749,255.53

Targets									
Target Name									
- hit/miss/target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TGT1(3000'VS)	0.00	0.00	9,455.00	-2,998.00	-111.38	432,525.700	749,331.620	32° 11' 11.624 N	103° 31' 38.638 W
- survey misses target center by 17.73ft at 12110.38ft MD (9451.09 TVD, -2998.78 N, -94.11 E)									
- Point									
PBHL(#1HFalc)	0.00	0.00	9,455.00	-4,620.80	-194.50	430,902.900	749,248.500	32° 10' 55.572 N	103° 31' 39.747 W
- survey misses target center by 52.04ft at 13685.00ft MD (9444.34 TVD, -4570.35 N, -187.47 E)									
- Point									

Checked By: _____ Approved By: _____ Date: _____



Project: Lea County
Site: Falcon "25 Fed
Well: #1H
Wellbore: OH
Plan: Plan #3 (#1H/OH)



Azimuths to Grid North
True North: -0.43°
Magnetic North: 7.30°

Magnetic Field
Strength: 48742.5nT
Dip Angle: 60.20°
Date: 01/19/2010
Model: IGRF2010

PATHFINDER

WELL DETAILS: #1H

Ground Elevation: 3567.00
RKB Elevation: WELL2 @ 3597.00ft (30'KB Correction (Cactus#123))
Rig Name: 30'KB Correction (Cactus#123)

+N/S	+E/W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	435523.700	749443.800	32° 11' 41.282 N	103° 31' 37.081 W	

PROJECT DETAILS: Lea County
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

SECTION DETAILS

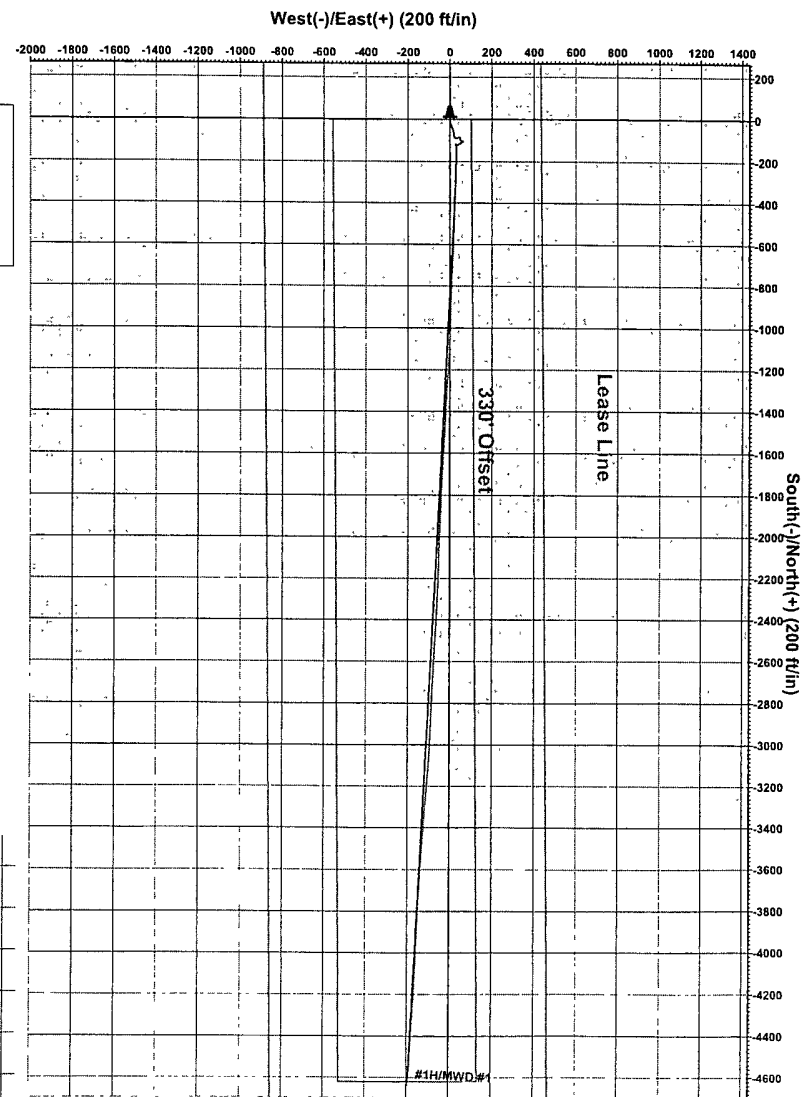
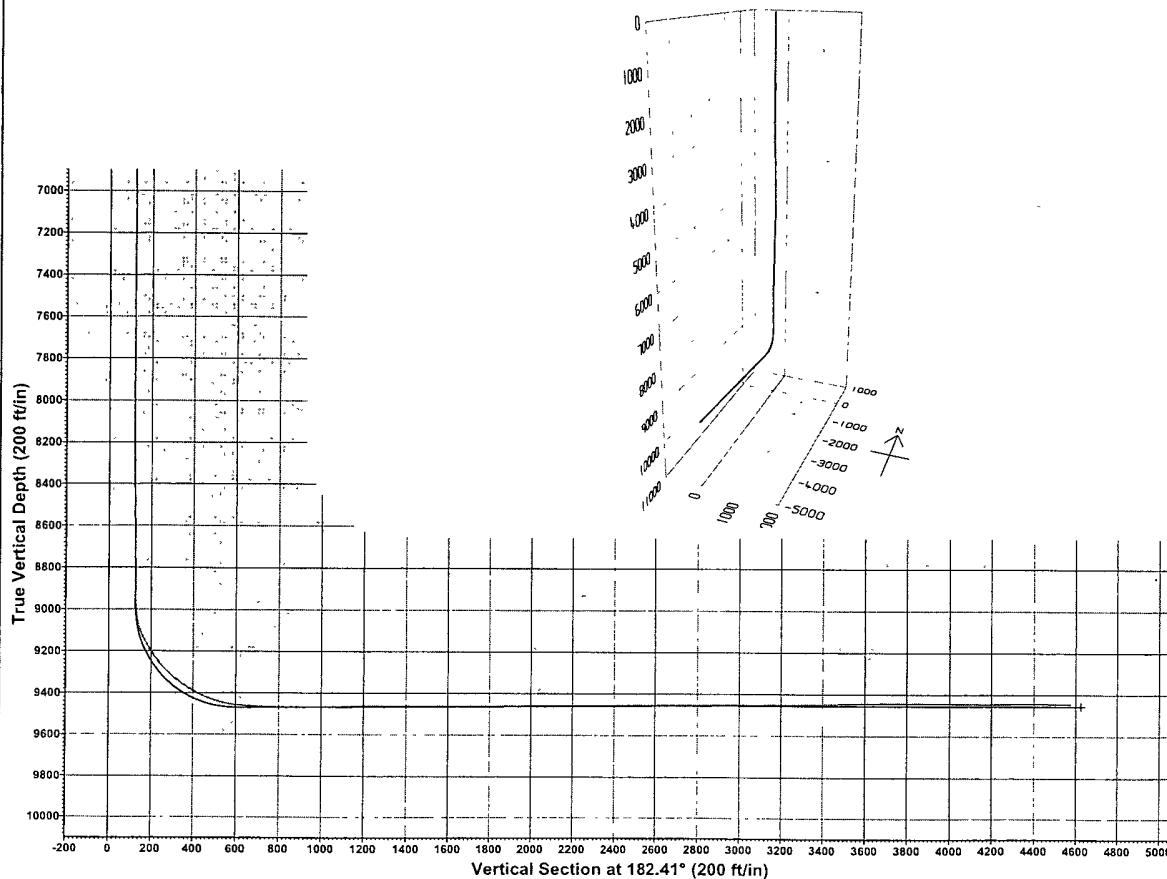
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	DLeg	TFace	VSec	Target
1	8997.50	0.88	106.16	8994.50	-126.92	30.45	0.00	0.00	125.53	
2	9748.47	90.36	182.96	9470.00	-606.88	12.78	12.01	76.80	605.81	
3	12125.47	90.36	182.96	9455.06	-2980.66	-109.96	0.00	0.00	2982.65	
4	12143.47	90.00	182.96	9455.01	-2998.84	-110.89	2.00	-180.00	3000.65	
5	12143.94	90.00	182.95	9455.01	-2999.12	-110.92	2.00	-88.22	3001.13	
6	13767.78	90.00	182.95	9455.00	-4620.80	-194.50	0.00	0.00	4624.89	PBHL(#1HFalc)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting	Shape
PBHL(#1HFalc)	9455.00	-4620.80	-194.50	430902.900	749248.500	Point
TG11(3000'VS)	9455.00	-2998.00	-111.38	432525.700	749331.620	Point

LEGEND

-#1H, OH, MWD #1
+ Plan #3



Plan Plan #3 (#1H/OH)

Created By: Nate Bingham Date: 20 02, January 31 2010

Checked: _____ Date: _____