Results of Directional Survey

API number:	30-025-40368		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	BLACK BEAR 36 STATE # 1H

surface	ULSTR:	O	36	T	25S	R	33E
				300	FSL	2190	FEL

BH Loc	ULSTR:	B	36	T	25S	R	33E
14335	MD	9438.4	TVD	220	FNL	2282	FEL
				5060	FSL		

Top Perf/OH	ULSTR:	O	36	T	25S	R	33E
9896	MD	9530.1	TVD	626	FSL	2229	FEL

Bot Perf/OH	ULSTR:	B	36	T	25S	R	33E
14189	MD	9437.9	TVD	366	FNL	2282	FEL
				4914	FSL		

	MD	N/S	E/W	VD
	9892	321.53	-38.81	9530.12
TOP PERFS/OH	**9896**	325.53	-38.74	9530.06
	9901	330.53	-38.66	9529.99
	14099	4524.14	-92.96	9437.72
BOT PERFS/OH	**14189**	4614.13	-92.03	9437.87
	14194	4619.13	-91.98	9437.88

NEXT TO LAST	14281	4706.12	-91.98	9438.26
LAST READING	14335	4760.12	-91.79	9438.36
TD	**14335**	4760.12	-91.79	9438.36

Surface Location	300	FS	2190	FE
Projected BHL	5060	FS	2282	FE
Location of				
Top Perfs/OH	626	FS	2229	FE
Bottom Perfs/OH	4914	FS	2282	FE

SUMMARY of Subsurface Locations

Surface Location	O-36-25S-33E	300	FS	2190	FE	Vert. Depth
Top Perfs/OH	O-36-25S-33E	626	FS	2229	FE	9530.06
Bottom Perfs/OH	B-36-25S-33E	4914	FS	2282	FE	9437.87
Projected TD	B-36-25S-33E	5060	FS	2282	FE	9438.36

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EOG Resources

Lea County, NM (Nad27)
Black Bear 36 State
Black Bear 36 State 1H
Wellbore #1

SUR: O-36-25s-33e, 300/S & 2190/E
BHL: B-36-25s-33e, 5060/S & 2282/E
API # 30-025-40368

Survey: Phoenix MWD Surveys

EOG Resources

27 August, 2012

PHOENIX
TECHNOLOGY SERVICES

Company:	EOG Resources	**Local Co-ordinate Reference:**	Well Black Bear 36 State 1H
Project:	Lea County, NM (Nad27)	**TVD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Site:	Black Bear 36 State	**MD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Well:	Black Bear 36 State 1H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	GCR DB v5000

Project Lea County, NM (Nad27)

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 Black Bear 36 State

Site Position:		**Northing:**	393,927.00 usft	**Latitude:**	32° 4' 49.5727 N
From:	Map	**Easting:**	750,632.00 usft	**Longitude:**	103° 31' 26.8815 W
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.43 °

Well Black Bear 36 State 1H

Well Position	**+N/-S**	0.00 usft	**Northing:**	393,927.00 usft	**Latitude:**	32° 4' 49.5727 N
	+E/-W	0.00 usft	**Easting:**	750,632.00 usft	**Longitude:**	103° 31' 26.8815 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,322.00 usft

Wellbore Wellbore #1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010_14	07/30/12	7.42	60.03	48,423

Design Wellbore #1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	358.98

Phoenix Technology Services

EOG Resources

PHOENIX TECHNOLOGY SERVICES

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Site:	Black Bear 36 State	**MD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Well:	Black Bear 36 State 1H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	GCR DB v5000

Survey Program **Date** 08/27/12

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	975.00	Gyro Surveys (Wellbore #1)	MWD	MWD - Standard
1,104.00	14,335.00	Phoenix MWD Surveys (Wellbore #1)	MWD	MWD - Standard

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
975.00	0.49	154.66	-2,377.01	974.99	-1.79	-1.33	-1.77	0.00	393,925.21	750,630.67
Last Gyro Survey										
1,104.00	0.50	214.80	-2,248.01	1,103.99	-2.76	-1.41	-2.73	0.38	393,924.24	750,630.59
First Phoenix MWD Survey										
1,288.00	0.60	227.40	-2,064.02	1,287.98	-4.07	-2.58	-4.02	0.08	393,922.93	750,629.42
1,473.00	1.00	200.20	-1,879.04	1,472.96	-6.24	-3.85	-6.17	0.29	393,920.76	750,628.15
1,660.00	1.50	206.30	-1,692.08	1,659.92	-9.96	-5.50	-9.86	0.28	393,917.04	750,626.50
1,850.00	1.00	200.60	-1,502.13	1,849.87	-13.74	-7.18	-13.61	0.27	393,913.26	750,624.82
2,039.00	1.50	222.70	-1,313.17	2,038.83	-17.11	-9.44	-16.94	0.36	393,909.89	750,622.56
2,229.00	0.30	156.00	-1,123.20	2,228.80	-19.39	-10.92	-19.19	0.74	393,907.61	750,621.08
2,419.00	0.70	90.80	-933.21	2,418.79	-19.86	-9.56	-19.69	0.33	393,907.14	750,622.44
2,608.00	1.30	64.70	-744.23	2,607.77	-18.96	-6.47	-18.84	0.39	393,908.04	750,625.53
2,797.00	2.00	64.30	-555.31	2,796.69	-16.61	-1.56	-16.58	0.37	393,910.39	750,630.44
2,987.00	2.00	48.20	-365.43	2,986.57	-12.96	3.90	-13.03	0.29	393,914.04	750,635.90
3,176.00	1.50	22.00	-176.51	3,175.49	-8.47	7.29	-8.60	0.49	393,918.53	750,639.29
3,366.00	2.20	72.60	13.40	3,365.40	-5.08	11.70	-5.28	0.90	393,921.92	750,643.70
3,556.00	2.00	89.30	203.27	3,555.27	-3.95	18.49	-4.27	0.34	393,923.05	750,650.49
3,746.00	1.00	65.50	393.21	3,745.21	-3.22	23.32	-3.63	0.61	393,923.78	750,655.32
3,936.00	0.80	97.30	583.18	3,935.18	-2.70	26.14	-3.16	0.28	393,924.30	750,658.14
4,125.00	2.50	63.80	772.10	4,124.10	-1.05	31.15	-1.60	1.00	393,925.95	750,663.15
4,315.00	0.90	30.30	962.02	4,314.02	2.07	35.62	1.44	0.96	393,929.07	750,667.62
4,505.00	1.00	42.40	1,151.99	4,503.99	4.59	37.49	3.92	0.12	393,931.59	750,669.49

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Site:	Black Bear 36 State	**MD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Well:	Black Bear 36 State 1H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	GCR DB v5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
4,695.00	2.30	82.70	1,341.91	4,693.91	6.29	42.39	5.54	0.88	393,933.29	750,674.39
4,885.00	3.20	124.50	1,531.71	4,883.71	3.77	50.54	2.87	1.12	393,930.77	750,682.54
5,029.00	2.50	139.40	1,675.53	5,027.53	-0.89	55.90	-1.88	0.70	393,926.11	750,687.90
5,170.00	2.70	151.70	1,816.39	5,168.39	-6.15	59.48	-7.20	0.42	393,920.85	750,691.48
5,360.00	3.40	219.60	2,006.17	5,358.17	-14.43	58.01	-15.46	1.82	393,912.57	750,690.01
5,549.00	4.80	226.80	2,194.69	5,546.69	-24.16	48.67	-25.02	0.79	393,902.84	750,680.67
5,738.00	4.90	227.00	2,383.01	5,735.01	-35.08	37.00	-35.73	0.05	393,891.92	750,669.00
5,928.00	5.00	228.70	2,572.30	5,924.30	-46.08	24.85	-46.51	0.09	393,880.92	750,656.85
6,118.00	5.00	226.40	2,761.58	6,113.58	-57.25	12.63	-57.47	0.11	393,869.75	750,644.63
6,308.00	4.80	227.20	2,950.88	6,302.88	-68.36	0.80	-68.37	0.11	393,858.64	750,632.80
6,498.00	4.30	221.40	3,140.28	6,492.28	-79.11	-9.74	-78.92	0.36	393,847.89	750,622.26
6,688.00	5.30	197.40	3,329.63	6,681.63	-92.83	-17.08	-92.51	1.17	393,834.17	750,614.92
6,876.00	5.70	197.60	3,516.77	6,868.77	-110.01	-22.50	-109.59	0.21	393,816.99	750,609.50
7,066.00	5.00	187.30	3,705.94	7,057.94	-127.22	-26.40	-126.73	0.62	393,799.78	750,605.60
7,256.00	4.80	192.00	3,895.25	7,247.25	-143.21	-29.11	-142.67	0.24	393,783.79	750,602.89
7,446.00	4.40	189.70	4,084.64	7,436.64	-158.17	-31.99	-157.57	0.23	393,768.83	750,600.01
7,635.00	4.40	192.90	4,273.08	7,625.08	-172.38	-34.83	-171.73	0.13	393,754.62	750,597.17
7,824.00	4.60	192.00	4,461.50	7,813.50	-186.86	-38.02	-186.15	0.11	393,740.14	750,593.98
8,015.00	3.70	183.70	4,652.00	8,004.00	-200.50	-40.01	-199.76	0.57	393,726.50	750,591.99
8,205.00	3.60	176.70	4,841.61	8,193.61	-212.58	-40.07	-211.83	0.24	393,714.42	750,591.93
8,395.00	4.30	185.90	5,031.16	8,383.16	-225.62	-40.45	-224.86	0.50	393,701.38	750,591.55
8,490.00	4.30	187.40	5,125.90	8,477.90	-232.69	-41.28	-231.92	0.12	393,694.31	750,590.72
8,657.00	3.80	188.60	5,292.48	8,644.48	-244.37	-42.91	-243.57	0.30	393,682.63	750,589.09
8,848.00	1.60	196.30	5,483.25	8,835.25	-253.19	-44.61	-252.36	1.16	393,673.81	750,587.39
9,038.00	1.50	354.50	5,673.23	9,025.23	-253.26	-45.59	-252.41	1.60	393,673.74	750,586.41
9,069.00	4.00	356.30	5,704.19	9,056.19	-251.78	-45.70	-250.92	8.07	393,675.22	750,586.30
9,101.00	7.20	359.30	5,736.03	9,088.03	-248.66	-45.80	-247.80	10.04	393,678.34	750,586.20

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Site:	Black Bear 36 State	**MD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Well:	Black Bear 36 State 1H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	GCR DB v5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,132.00	10.60	1.40	5,766.66	9,118.66	-243.86	-45.75	-243.01	11.02	393,683.14	750,586.25
9,164.00	15.00	2.70	5,797.85	9,149.85	-236.78	-45.48	-235.93	13.78	393,690.22	750,586.52
9,196.00	19.20	3.20	5,828.43	9,180.43	-227.39	-44.99	-226.55	13.13	393,699.61	750,587.01
9,228.00	23.30	3.70	5,858.25	9,210.25	-215.81	-44.29	-214.99	12.82	393,711.19	750,587.71
9,259.00	27.30	3.40	5,886.27	9,238.27	-202.59	-43.47	-201.79	12.91	393,724.41	750,588.53
9,291.00	31.40	3.00	5,914.16	9,266.16	-186.93	-42.60	-186.15	12.83	393,740.07	750,589.40
9,323.00	35.30	2.60	5,940.88	9,292.88	-169.37	-41.75	-168.60	12.21	393,757.63	750,590.25
9,355.00	39.30	2.00	5,966.33	9,318.33	-150.00	-40.97	-149.24	12.55	393,777.00	750,591.03
9,387.00	42.20	0.90	5,990.57	9,342.57	-129.12	-40.45	-128.38	9.34	393,797.88	750,591.55
9,418.00	45.00	0.10	6,013.02	9,365.02	-107.74	-40.27	-107.01	9.21	393,819.26	750,591.73
9,450.00	48.10	359.30	6,035.03	9,387.03	-84.51	-40.39	-83.78	9.86	393,842.49	750,591.61
9,481.00	51.10	358.80	6,055.11	9,407.11	-60.91	-40.79	-60.18	9.76	393,866.09	750,591.21
9,513.00	54.00	358.50	6,074.57	9,426.57	-35.52	-41.39	-34.78	9.09	393,891.48	750,590.61
9,545.00	57.10	358.60	6,092.67	9,444.67	-9.14	-42.05	-8.39	9.69	393,917.86	750,589.95
9,576.00	60.60	358.80	6,108.70	9,460.70	17.38	-42.65	18.13	11.30	393,944.38	750,589.35
9,608.00	63.60	358.80	6,123.68	9,475.68	45.65	-43.25	46.41	9.37	393,972.65	750,588.75
9,640.00	67.00	359.60	6,137.05	9,489.05	74.71	-43.65	75.48	10.86	394,001.71	750,588.35
9,671.00	71.00	0.30	6,148.15	9,500.15	103.65	-43.67	104.41	13.07	394,030.65	750,588.33
9,702.00	75.10	0.90	6,157.19	9,509.19	133.29	-43.36	134.04	13.35	394,060.29	750,588.64
9,734.00	78.80	1.40	6,164.41	9,516.41	164.46	-42.73	165.19	11.66	394,091.46	750,589.27
9,766.00	81.80	1.50	6,169.80	9,521.80	195.98	-41.94	196.70	9.38	394,122.98	750,590.06
9,797.00	83.90	1.60	6,173.66	9,525.66	226.73	-41.10	227.43	6.78	394,153.73	750,590.90
9,829.00	85.80	1.50	6,176.54	9,528.54	258.59	-40.24	259.26	5.95	394,185.59	750,591.76
9,861.00	88.80	1.30	6,178.04	9,530.04	290.54	-39.46	291.20	9.40	394,217.54	750,592.54
9,892.00	90.90	1.10	6,178.12	9,530.12	321.53	-38.81	322.17	6.80	394,248.53	750,593.19
9,901.00	90.80	0.80	6,177.99	9,529.99	330.53	-38.66	331.16	3.51	394,257.53	750,593.34
9,965.00	91.40	0.40	6,176.76	9,528.76	394.51	-37.99	395.13	1.13	394,321.51	750,594.01

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Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	GCR DB v5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,996.00	91.30	0.50	6,176.03	9,528.03	425.50	-37.75	426.11	0.46	394,352.50	750,594.25
10,091.00	91.70	0.70	6,173.54	9,525.54	520.47	-36.75	521.04	0.47	394,447.47	750,595.25
10,185.00	90.90	0.60	6,171.41	9,523.41	614.43	-35.69	614.97	0.86	394,541.43	750,596.31
10,280.00	90.70	1.00	6,170.09	9,522.09	709.42	-34.36	709.91	0.47	394,636.42	750,597.64
10,375.00	90.30	0.90	6,169.26	9,521.26	804.40	-32.79	804.85	0.43	394,731.40	750,599.21
10,471.00	90.00	0.60	6,169.00	9,521.00	900.39	-31.53	900.81	0.44	394,827.39	750,600.47
10,566.00	89.50	0.40	6,169.42	9,521.42	995.38	-30.70	995.77	0.57	394,922.38	750,601.30
10,661.00	89.80	0.20	6,170.00	9,522.00	1,090.38	-30.20	1,090.75	0.38	395,017.38	750,601.80
10,755.00	89.50	359.40	6,170.57	9,522.57	1,184.38	-30.53	1,184.73	0.91	395,111.38	750,601.47
10,850.00	88.60	359.90	6,172.15	9,524.15	1,279.36	-31.11	1,279.71	1.08	395,206.36	750,600.89
10,945.00	88.10	359.70	6,174.88	9,526.88	1,374.32	-31.44	1,374.66	0.57	395,301.32	750,600.56
11,065.00	93.70	0.70	6,173.00	9,525.00	1,494.26	-31.03	1,494.57	4.74	395,421.26	750,600.97
11,161.00	95.10	358.60	6,165.63	9,517.63	1,589.96	-31.61	1,590.28	2.62	395,516.96	750,600.39
11,256.00	95.60	356.30	6,156.78	9,508.78	1,684.45	-35.82	1,684.82	2.47	395,611.45	750,596.18
11,350.00	94.00	355.60	6,148.91	9,500.91	1,777.88	-42.43	1,778.36	1.86	395,704.88	750,589.57
11,445.00	92.20	355.80	6,143.77	9,495.77	1,872.47	-49.54	1,873.06	1.91	395,799.47	750,582.46
11,540.00	91.60	357.10	6,140.62	9,492.62	1,967.24	-55.42	1,967.91	1.51	395,894.24	750,576.58
11,635.00	91.70	357.80	6,137.89	9,489.89	2,062.10	-59.65	2,062.84	0.74	395,989.10	750,572.35
11,730.00	92.20	357.30	6,134.65	9,486.65	2,156.96	-63.71	2,157.75	0.74	396,083.96	750,568.29
11,824.00	91.60	359.20	6,131.54	9,483.54	2,250.86	-66.58	2,251.69	2.12	396,177.86	750,565.42
11,919.00	92.00	359.00	6,128.55	9,480.55	2,345.80	-68.07	2,346.64	0.47	396,272.80	750,563.93
12,014.00	91.80	0.70	6,125.40	9,477.40	2,440.74	-68.32	2,441.57	1.80	396,367.74	750,563.68
12,109.00	92.00	0.70	6,122.25	9,474.25	2,535.69	-67.16	2,536.48	0.21	396,462.69	750,564.84
12,205.00	91.80	0.10	6,119.07	9,471.07	2,631.63	-66.49	2,632.40	0.66	396,558.63	750,565.51
12,299.00	89.60	358.60	6,117.92	9,469.92	2,725.61	-67.55	2,726.38	2.83	396,652.61	750,564.45
12,394.00	88.80	357.40	6,119.25	9,471.25	2,820.54	-70.87	2,821.35	1.52	396,747.54	750,561.13
12,489.00	90.00	357.90	6,120.24	9,472.24	2,915.45	-74.76	2,916.32	1.37	396,842.45	750,557.24

Company:	EOG Resources	**Local Co-ordinate Reference:**	Well Black Bear 36 State 1H
Project:	Lea County, NM (Nad27)	**TVD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Site:	Black Bear 36 State	**MD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Well:	Black Bear 36 State 1H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	GCR DB v5000

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVDSS (usft)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
12,584.00	89.80	357.10	6,120.41	9,472.41	3,010.36	-78.91	3,011.29	0.87	396,937.36	750,553.09
12,679.00	91.00	358.10	6,119.75	9,471.75	3,105.27	-82.88	3,106.25	1.64	397,032.27	750,549.12
12,774.00	91.50	358.10	6,117.67	9,469.67	3,200.20	-86.03	3,201.22	0.53	397,127.20	750,545.97
12,869.00	92.60	358.80	6,114.28	9,466.28	3,295.10	-88.60	3,296.15	1.37	397,222.10	750,543.40
12,963.00	90.50	0.10	6,111.73	9,463.73	3,389.05	-89.50	3,390.11	2.63	397,316.05	750,542.50
13,058.00	90.50	359.40	6,110.90	9,462.90	3,484.05	-89.92	3,485.10	0.74	397,411.05	750,542.08
13,153.00	89.80	357.80	6,110.66	9,462.66	3,579.02	-92.24	3,580.09	1.84	397,506.02	750,539.76
13,248.00	89.30	357.90	6,111.40	9,463.40	3,673.95	-95.80	3,675.07	0.54	397,600.95	750,536.20
13,342.00	89.70	358.70	6,112.22	9,464.22	3,767.90	-98.59	3,769.06	0.95	397,694.90	750,533.41
13,437.00	90.80	358.80	6,111.81	9,463.81	3,862.87	-100.66	3,864.05	1.16	397,789.87	750,531.34
13,531.00	91.60	359.30	6,109.84	9,461.84	3,956.84	-102.22	3,958.03	1.00	397,883.84	750,529.78
13,626.00	93.00	0.40	6,106.03	9,458.03	4,051.76	-102.47	4,052.94	1.87	397,978.76	750,529.53
13,720.00	94.10	359.90	6,100.21	9,452.21	4,145.58	-102.22	4,146.74	1.29	398,072.58	750,529.78
13,815.00	93.20	1.50	6,094.16	9,446.16	4,240.37	-101.07	4,241.50	1.93	398,167.37	750,530.93
13,910.00	92.00	1.50	6,089.85	9,441.85	4,335.24	-98.58	4,336.31	1.26	398,262.24	750,533.42
14,005.00	91.40	1.40	6,087.03	9,439.03	4,430.17	-96.18	4,431.18	0.64	398,357.17	750,535.82
14,099.00	90.20	0.70	6,085.72	9,437.72	4,524.14	-94.46	4,525.11	1.48	398,451.14	750,537.54
14,194.00	89.60	1.10	6,085.88	9,437.88	4,619.13	-92.96	4,620.05	0.76	398,546.13	750,539.04
14,281.00	89.90	0.20	6,086.26	9,438.26	4,706.12	-91.98	4,707.01	1.09	398,633.12	750,540.02
Last Phoenix MWD Survey										
14,335.00	89.90	0.20	6,086.36	9,438.36	4,760.12	-91.79	4,761.00	0.00	398,687.12	750,540.21
Projection to TD										

Company:	EOG Resources	**Local Co-ordinate Reference:**	Well Black Bear 36 State 1H
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Site:	Black Bear 36 State	**MD Reference:**	WELL @ 3352.00usft (Original Well Elev + 30' KB)
Well:	Black Bear 36 State 1H	**North Reference:**	Grid
Wellbore:	Wellbore #1	**Survey Calculation Method:**	Minimum Curvature
Design:	Wellbore #1	**Database:**	GCR DB v5000

Survey Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
975.00	974.99	-1.79	-1.33	Last Gyro Survey
1,104.00	1,103.99	-2.76	-1.41	First Phoenix MWD Survey
14,281.00	9,438.26	4,706.12	-91.98	Last Phoenix MWD Survey
14,335.00	9,438.36	4,760.12	-91.79	Projection to TD

Checked By: _____ Approved By: _____ Date: _____