



RECEIVED
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HOBBSCO

EOG Resources, Inc.

Lea County
Endurance "36" State Com
#1H
OH

Plan: Plan #1

Pathfinder X & Y Planning Report

16 February, 2010

PATHFINDER

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 3375.30ft (25' KB)
Site:	Endurance 36° State Com	MD Reference:	WELL @ 3375.30ft (25' KB)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Project	Lea County
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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	Endurance 36° State Com
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Site Position:		Northing:	365,058.800 ft	Latitude:	32° 0' 3.755 N
From:	Map	Easting:	752,606.200 ft	Longitude:	103° 31' 6.469 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	0.43 °

Well	#1H
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Well Position	+N/-S	0.00 ft	Northing:	365,058.800 ft	Latitude:	32° 0' 3.755 N
	+E/-W	0.00 ft	Easting:	752,606.200 ft	Longitude:	103° 31' 6.469 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,350.30 ft

Wellbore	OH
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	02/16/2010	7.69	60.04	48,651

Design	Plan #1
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Audit Notes:	
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Version:	Phase:	PLAN	Tie On Depth:	0.00
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Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	359.56

Survey Tool Program	Date: 02/16/2010
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From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	16,717.46	Plan #1 (OH)	MWD	MWD - Standard

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
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Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec. (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
0.00	0.00	0.00	0.00	-3,375.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
100.00	0.00	0.00	100.00	-3,275.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
200.00	0.00	0.00	200.00	-3,175.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
300.00	0.00	0.00	300.00	-3,075.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
400.00	0.00	0.00	400.00	-2,975.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
500.00	0.00	0.00	500.00	-2,875.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
600.00	0.00	0.00	600.00	-2,775.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
700.00	0.00	0.00	700.00	-2,675.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
800.00	0.00	0.00	800.00	-2,575.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
900.00	0.00	0.00	900.00	-2,475.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,000.00	0.00	0.00	1,000.00	-2,375.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,100.00	0.00	0.00	1,100.00	-2,275.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,200.00	0.00	0.00	1,200.00	-2,175.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,300.00	0.00	0.00	1,300.00	-2,075.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,400.00	0.00	0.00	1,400.00	-1,975.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,500.00	0.00	0.00	1,500.00	-1,875.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,600.00	0.00	0.00	1,600.00	-1,775.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,700.00	0.00	0.00	1,700.00	-1,675.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,800.00	0.00	0.00	1,800.00	-1,575.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
1,900.00	0.00	0.00	1,900.00	-1,475.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,000.00	0.00	0.00	2,000.00	-1,375.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,100.00	0.00	0.00	2,100.00	-1,275.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,200.00	0.00	0.00	2,200.00	-1,175.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,300.00	0.00	0.00	2,300.00	-1,075.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,400.00	0.00	0.00	2,400.00	-975.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,500.00	0.00	0.00	2,500.00	-875.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,600.00	0.00	0.00	2,600.00	-775.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20

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Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
2,700.00	0.00	0.00	2,700.00	-675.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,800.00	0.00	0.00	2,800.00	-575.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
2,900.00	0.00	0.00	2,900.00	-475.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,000.00	0.00	0.00	3,000.00	-375.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,100.00	0.00	0.00	3,100.00	-275.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,200.00	0.00	0.00	3,200.00	-175.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,300.00	0.00	0.00	3,300.00	-75.30	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,400.00	0.00	0.00	3,400.00	24.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,500.00	0.00	0.00	3,500.00	124.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,600.00	0.00	0.00	3,600.00	224.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,700.00	0.00	0.00	3,700.00	324.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,800.00	0.00	0.00	3,800.00	424.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
3,900.00	0.00	0.00	3,900.00	524.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,000.00	0.00	0.00	4,000.00	624.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,100.00	0.00	0.00	4,100.00	724.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,200.00	0.00	0.00	4,200.00	824.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,300.00	0.00	0.00	4,300.00	924.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,400.00	0.00	0.00	4,400.00	1,024.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,500.00	0.00	0.00	4,500.00	1,124.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,600.00	0.00	0.00	4,600.00	1,224.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,700.00	0.00	0.00	4,700.00	1,324.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,800.00	0.00	0.00	4,800.00	1,424.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
4,900.00	0.00	0.00	4,900.00	1,524.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,000.00	0.00	0.00	5,000.00	1,624.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,100.00	0.00	0.00	5,100.00	1,724.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,200.00	0.00	0.00	5,200.00	1,824.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,300.00	0.00	0.00	5,300.00	1,924.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
5,400.00	0.00	0.00	5,400.00	2,024.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,500.00	0.00	0.00	5,500.00	2,124.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,600.00	0.00	0.00	5,600.00	2,224.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,700.00	0.00	0.00	5,700.00	2,324.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,800.00	0.00	0.00	5,800.00	2,424.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
5,900.00	0.00	0.00	5,900.00	2,524.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,000.00	0.00	0.00	6,000.00	2,624.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,100.00	0.00	0.00	6,100.00	2,724.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,200.00	0.00	0.00	6,200.00	2,824.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,300.00	0.00	0.00	6,300.00	2,924.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,400.00	0.00	0.00	6,400.00	3,024.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,500.00	0.00	0.00	6,500.00	3,124.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,600.00	0.00	0.00	6,600.00	3,224.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,700.00	0.00	0.00	6,700.00	3,324.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,800.00	0.00	0.00	6,800.00	3,424.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
6,900.00	0.00	0.00	6,900.00	3,524.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,000.00	0.00	0.00	7,000.00	3,624.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,100.00	0.00	0.00	7,100.00	3,724.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,200.00	0.00	0.00	7,200.00	3,824.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,300.00	0.00	0.00	7,300.00	3,924.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,400.00	0.00	0.00	7,400.00	4,024.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,500.00	0.00	0.00	7,500.00	4,124.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,600.00	0.00	0.00	7,600.00	4,224.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,700.00	0.00	0.00	7,700.00	4,324.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,800.00	0.00	0.00	7,800.00	4,424.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
7,900.00	0.00	0.00	7,900.00	4,524.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,000.00	0.00	0.00	8,000.00	4,624.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20

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Planned Survey										
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8,100.00	0.00	0.00	8,100.00	4,724.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,200.00	0.00	0.00	8,200.00	4,824.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,300.00	0.00	0.00	8,300.00	4,924.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,400.00	0.00	0.00	8,400.00	5,024.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,500.00	0.00	0.00	8,500.00	5,124.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,600.00	0.00	0.00	8,600.00	5,224.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,700.00	0.00	0.00	8,700.00	5,324.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,800.00	0.00	0.00	8,800.00	5,424.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
8,900.00	0.00	0.00	8,900.00	5,524.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
9,000.00	0.00	0.00	9,000.00	5,624.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
9,100.00	0.00	0.00	9,100.00	5,724.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
9,200.00	0.00	0.00	9,200.00	5,824.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
9,300.00	0.00	0.00	9,300.00	5,924.70	0.00	0.00	0.00	0.00	365,058.80	752,606.20
9,322.50	0.00	0.00	9,322.50	5,947.20	0.00	0.00	0.00	0.00	365,058.80	752,606.20
9,325.00	0.30	359.56	9,325.00	5,949.70	0.01	0.00	0.01	12.00	365,058.81	752,606.20
9,350.00	3.30	359.56	9,349.98	5,974.68	0.79	-0.01	0.79	12.00	365,059.59	752,606.19
9,375.00	6.30	359.56	9,374.89	5,999.59	2.88	-0.02	2.88	12.00	365,061.68	752,606.18
9,400.00	9.30	359.56	9,399.66	6,024.36	6.28	-0.05	6.28	12.00	365,065.08	752,606.15
9,425.00	12.30	359.56	9,424.21	6,048.91	10.96	-0.08	10.96	12.00	365,069.76	752,606.12
9,450.00	15.30	359.56	9,448.49	6,073.19	16.92	-0.13	16.92	12.00	365,075.72	752,606.07
9,475.00	18.30	359.56	9,472.42	6,097.12	24.15	-0.19	24.15	12.00	365,082.95	752,606.01
9,500.00	21.30	359.56	9,495.94	6,120.64	32.61	-0.25	32.61	12.00	365,091.41	752,605.95
9,525.00	24.30	359.56	9,518.98	6,143.68	42.30	-0.32	42.30	12.00	365,101.10	752,605.88
9,550.00	27.30	359.56	9,541.49	6,166.19	53.18	-0.41	53.18	12.00	365,111.98	752,605.79
9,575.00	30.30	359.56	9,563.40	6,188.10	65.22	-0.50	65.22	12.00	365,124.02	752,605.70
9,600.00	33.30	359.56	9,584.64	6,209.34	78.39	-0.60	78.39	12.00	365,137.19	752,605.60
9,625.00	36.30	359.56	9,605.17	6,229.87	92.65	-0.71	92.66	12.00	365,151.45	752,605.49

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Project:	Lea County	TVD Reference:	WELL @ 3375.30ft. (25' KB)
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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

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MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (%/100ft)	Northing (ft)	Easting (ft)
9,650.00	39.30	359.56	9,624.92	6,249.62	107.97	-0.83	107.98	12.00	365,166.77	752,605.37
9,675.00	42.30	359.56	9,643.84	6,268.54	124.31	-0.95	124.31	12.00	365,183.11	752,605.25
9,700.00	45.30	359.56	9,661.89	6,286.59	141.61	-1.09	141.61	12.00	365,200.41	752,605.11
9,725.00	48.30	359.56	9,679.00	6,303.70	159.83	-1.23	159.83	12.00	365,218.63	752,604.97
9,750.00	51.30	359.56	9,695.14	6,319.84	178.92	-1.37	178.92	12.00	365,237.72	752,604.83
9,775.00	54.30	359.56	9,710.25	6,334.95	198.83	-1.53	198.83	12.00	365,257.63	752,604.67
9,800.00	57.30	359.56	9,724.30	6,349.00	219.50	-1.69	219.51	12.00	365,278.30	752,604.51
9,825.00	60.30	359.56	9,737.25	6,361.95	240.88	-1.85	240.89	12.00	365,299.68	752,604.35
9,850.00	63.30	359.56	9,749.07	6,373.77	262.91	-2.02	262.92	12.00	365,321.71	752,604.18
9,875.00	66.30	359.56	9,759.71	6,384.41	285.52	-2.19	285.53	12.00	365,344.32	752,604.01
9,900.00	69.29	359.56	9,769.16	6,393.86	308.67	-2.37	308.68	12.00	365,367.47	752,603.83
9,925.00	72.29	359.56	9,777.38	6,402.08	332.27	-2.55	332.28	12.00	365,391.07	752,603.65
9,950.00	75.29	359.56	9,784.36	6,409.06	356.28	-2.74	356.29	12.00	365,415.08	752,603.46
9,975.00	78.29	359.56	9,790.07	6,414.77	380.61	-2.92	380.62	12.00	365,439.41	752,603.28
10,000.00	81.29	359.56	9,794.50	6,419.20	405.21	-3.11	405.22	12.00	365,464.01	752,603.09
10,025.00	84.29	359.56	9,797.63	6,422.33	430.01	-3.30	430.02	12.00	365,488.81	752,602.90
10,050.00	87.29	359.56	9,799.47	6,424.17	454.94	-3.49	454.95	12.00	365,513.74	752,602.71
10,072.56	90.00	359.56	9,800.00	6,424.70	477.49	-3.67	477.50	12.00	365,536.29	752,602.53
10,100.00	90.00	359.56	9,800.00	6,424.70	504.93	-3.88	504.94	0.00	365,563.73	752,602.32
10,200.00	90.00	359.56	9,800.00	6,424.70	604.93	-4.65	604.94	0.00	365,663.73	752,601.55
10,300.00	90.00	359.56	9,800.00	6,424.70	704.92	-5.41	704.94	0.00	365,763.72	752,600.79
10,400.00	90.00	359.56	9,800.00	6,424.70	804.92	-6.18	804.94	0.00	365,863.72	752,600.02
10,500.00	90.00	359.56	9,800.00	6,424.70	904.92	-6.95	904.94	0.00	365,963.72	752,599.25
10,600.00	90.00	359.56	9,800.00	6,424.70	1,004.92	-7.72	1,004.94	0.00	366,063.72	752,598.48
10,700.00	90.00	359.56	9,800.00	6,424.70	1,104.91	-8.49	1,104.94	0.00	366,163.71	752,597.71
10,800.00	90.00	359.56	9,800.00	6,424.70	1,204.91	-9.25	1,204.94	0.00	366,263.71	752,596.95
10,900.00	90.00	359.56	9,800.00	6,424.70	1,304.91	-10.02	1,304.94	0.00	366,363.71	752,596.18

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H:
Project:	Lea County	TVD Reference:	WELL @ 3375.30R (25 KB)
Site:	Endurance "36" State Com	MD Reference:	WELL @ 3375.30R (25 KB)
Well:	#1H	North Reference:	Grid:
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey											
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)	
11,000.00	90.00	359.56	9,800.00	6,424.70	1,404.90	-10.79	1,404.94	0.00	366,463.70	752,595.41	
11,100.00	90.00	359.56	9,800.00	6,424.70	1,504.90	-11.56	1,504.94	0.00	366,563.70	752,594.64	
11,200.00	90.00	359.56	9,800.00	6,424.70	1,604.90	-12.32	1,604.94	0.00	366,663.70	752,593.88	
11,300.00	90.00	359.56	9,800.00	6,424.70	1,704.89	-13.09	1,704.94	0.00	366,763.69	752,593.11	
11,400.00	90.00	359.56	9,800.00	6,424.70	1,804.89	-13.86	1,804.94	0.00	366,863.69	752,592.34	
11,500.00	90.00	359.56	9,800.00	6,424.70	1,904.89	-14.63	1,904.94	0.00	366,963.69	752,591.57	
11,600.00	90.00	359.56	9,800.00	6,424.70	2,004.89	-15.40	2,004.94	0.00	367,063.69	752,590.80	
11,700.00	90.00	359.56	9,800.00	6,424.70	2,104.88	-16.16	2,104.94	0.00	367,163.68	752,590.04	
11,800.00	90.00	359.56	9,800.00	6,424.70	2,204.88	-16.93	2,204.94	0.00	367,263.68	752,589.27	
11,900.00	90.00	359.56	9,800.00	6,424.70	2,304.88	-17.70	2,304.94	0.00	367,363.68	752,588.50	
12,000.00	90.00	359.56	9,800.00	6,424.70	2,404.87	-18.47	2,404.94	0.00	367,463.67	752,587.73	
12,100.00	90.00	359.56	9,800.00	6,424.70	2,504.87	-19.24	2,504.94	0.00	367,563.67	752,586.96	
12,200.00	90.00	359.56	9,800.00	6,424.70	2,604.87	-20.00	2,604.94	0.00	367,663.67	752,586.20	
12,300.00	90.00	359.56	9,800.00	6,424.70	2,704.86	-20.77	2,704.94	0.00	367,763.66	752,585.43	
12,400.00	90.00	359.56	9,800.00	6,424.70	2,804.86	-21.54	2,804.94	0.00	367,863.66	752,584.66	
12,500.00	90.00	359.56	9,800.00	6,424.70	2,904.86	-22.31	2,904.94	0.00	367,963.66	752,583.89	
12,600.00	90.00	359.56	9,800.00	6,424.70	3,004.86	-23.08	3,004.94	0.00	368,063.66	752,583.12	
12,700.00	90.00	359.56	9,800.00	6,424.70	3,104.85	-23.84	3,104.94	0.00	368,163.65	752,582.36	
12,800.00	90.00	359.56	9,800.00	6,424.70	3,204.85	-24.61	3,204.94	0.00	368,263.65	752,581.59	
12,900.00	90.00	359.56	9,800.00	6,424.70	3,304.85	-25.38	3,304.94	0.00	368,363.65	752,580.82	
13,000.00	90.00	359.56	9,800.00	6,424.70	3,404.84	-26.15	3,404.94	0.00	368,463.64	752,580.05	
13,100.00	90.00	359.56	9,800.00	6,424.70	3,504.84	-26.92	3,504.94	0.00	368,563.64	752,579.28	
13,200.00	90.00	359.56	9,800.00	6,424.70	3,604.84	-27.68	3,604.94	0.00	368,663.64	752,578.52	
13,300.00	90.00	359.56	9,800.00	6,424.70	3,704.84	-28.45	3,704.94	0.00	368,763.64	752,577.75	
13,400.00	90.00	359.56	9,800.00	6,424.70	3,804.83	-29.22	3,804.94	0.00	368,863.63	752,576.98	
13,500.00	90.00	359.56	9,800.00	6,424.70	3,904.83	-29.99	3,904.94	0.00	368,963.63	752,576.21	
13,600.00	90.00	359.56	9,800.00	6,424.70	4,004.83	-30.76	4,004.94	0.00	369,063.63	752,575.44	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 3375.30ft (25' KB)
Site:	Endurance 36" State Com	MD Reference:	WELL @ 3375.30ft (25' KB)
Well:	#1H	North Reference:	Grid:
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

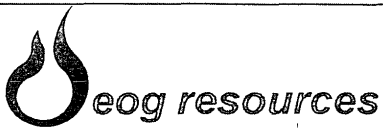
Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec. (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
13,700.00	90.00	359.56	9,800.00	6,424.70	4,104.82	-31.52	4,104.94	0.00	369,163.62	752,574.68
13,800.00	90.00	359.56	9,800.00	6,424.70	4,204.82	-32.29	4,204.94	0.00	369,263.62	752,573.91
13,900.00	90.00	359.56	9,800.00	6,424.70	4,304.82	-33.06	4,304.94	0.00	369,363.62	752,573.14
14,000.00	90.00	359.56	9,800.00	6,424.70	4,404.81	-33.83	4,404.94	0.00	369,463.61	752,572.37
14,100.00	90.00	359.56	9,800.00	6,424.70	4,504.81	-34.60	4,504.94	0.00	369,563.61	752,571.60
14,200.00	90.00	359.56	9,800.00	6,424.70	4,604.81	-35.36	4,604.94	0.00	369,663.61	752,570.84
14,300.00	90.00	359.56	9,800.00	6,424.70	4,704.81	-36.13	4,704.94	0.00	369,763.61	752,570.07
14,400.00	90.00	359.56	9,800.00	6,424.70	4,804.80	-36.90	4,804.94	0.00	369,863.60	752,569.30
14,500.00	90.00	359.56	9,800.00	6,424.70	4,904.80	-37.67	4,904.94	0.00	369,963.60	752,568.53
14,600.00	90.00	359.56	9,800.00	6,424.70	5,004.80	-38.43	5,004.94	0.00	370,063.60	752,567.77
14,700.00	90.00	359.56	9,800.00	6,424.70	5,104.79	-39.20	5,104.94	0.00	370,163.59	752,567.00
14,800.00	90.00	359.56	9,800.00	6,424.70	5,204.79	-39.97	5,204.94	0.00	370,263.59	752,566.23
14,900.00	90.00	359.56	9,800.00	6,424.70	5,304.79	-40.74	5,304.94	0.00	370,363.59	752,565.46
15,000.00	90.00	359.56	9,800.00	6,424.70	5,404.79	-41.51	5,404.94	0.00	370,463.59	752,564.69
15,100.00	90.00	359.56	9,800.00	6,424.70	5,504.78	-42.27	5,504.94	0.00	370,563.58	752,563.93
15,200.00	90.00	359.56	9,800.00	6,424.70	5,604.78	-43.04	5,604.94	0.00	370,663.58	752,563.16
15,300.00	90.00	359.56	9,800.00	6,424.70	5,704.78	-43.81	5,704.94	0.00	370,763.58	752,562.39
15,400.00	90.00	359.56	9,800.00	6,424.70	5,804.77	-44.58	5,804.94	0.00	370,863.57	752,561.62
15,500.00	90.00	359.56	9,800.00	6,424.70	5,904.77	-45.35	5,904.94	0.00	370,963.57	752,560.85
15,600.00	90.00	359.56	9,800.00	6,424.70	6,004.77	-46.11	6,004.94	0.00	371,063.57	752,560.09
15,700.00	90.00	359.56	9,800.00	6,424.70	6,104.76	-46.88	6,104.94	0.00	371,163.56	752,559.32
15,800.00	90.00	359.56	9,800.00	6,424.70	6,204.76	-47.65	6,204.94	0.00	371,263.56	752,558.55
15,900.00	90.00	359.56	9,800.00	6,424.70	6,304.76	-48.42	6,304.94	0.00	371,363.56	752,557.78
16,000.00	90.00	359.56	9,800.00	6,424.70	6,404.76	-49.19	6,404.94	0.00	371,463.56	752,557.01
16,100.00	90.00	359.56	9,800.00	6,424.70	6,504.75	-49.95	6,504.94	0.00	371,563.55	752,556.25
16,200.00	90.00	359.56	9,800.00	6,424.70	6,604.75	-50.72	6,604.94	0.00	371,663.55	752,555.48
16,300.00	90.00	359.56	9,800.00	6,424.70	6,704.75	-51.49	6,704.94	0.00	371,763.55	752,554.71

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 3375.30ft (25' KB)
Site:	Endurance 36" State Com	MD Reference:	WELL @ 3375.30ft (25' KB)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

Planned Survey										
MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
16,400.00	90.00	359.56	9,800.00	6,424.70	6,804.74	-52.26	6,804.94	0.00	371,863.54	752,553.94
16,500.00	90.00	359.56	9,800.00	6,424.70	6,904.74	-53.03	6,904.94	0.00	371,963.54	752,553.17
16,600.00	90.00	359.56	9,800.00	6,424.70	7,004.74	-53.79	7,004.94	0.00	372,063.54	752,552.41
16,700.00	90.00	359.56	9,800.00	6,424.70	7,104.74	-54.56	7,104.94	0.00	372,163.54	752,551.64
16,717.46	90.00	359.56	9,800.00	6,424.70	7,122.20	-54.70	7,122.41	0.00	372,181.00	752,551.50

Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	
Shape									Latitude Longitude
PBHLEN36#1)		0.00	0.00	9,800.00	7,122.20	-54.30	372,181.000	752,551.900	32° 1' 14.239 N 103° 31' 6.476 W
- plan hits target center									
- Point									

Checked By: _____	Approved By: _____	Date: _____
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Project: Lea County
Site: Endurance "36" State Com
Well: #1H
Wellbore: OH
Plan: Plan #1 (#1H/OH)



Azimuths to Grid North
True North: -0.43°
Magnetic North: 7.26°

Magnetic Field
Strength: 48650.8nT
Dip Angle: 60.04°
Date: 02/16/2010
Model: IGRF200510

PATHFINDER

WELL DETAILS #1H

Ground Elevation: 3350.30
RKB Elevation WELL @ 3375.30ft (25' KB)
Rig Name 25' KB

+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	365058.800	752606.200	32° 0' 3.755 N	103° 31' 6.469 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	9322.50	0.00	0.00	9322.50	0.00	0.00	0.00	0.00	0.00	
3	10072.56	90.00	359.56	9800.00	477.49	-3.67	12.00	359.56	477.50	
4	16717.46	90.00	359.56	9800.00	7122.20	-54.70	0.00	0.00	7122.41	PBHLN36#1

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
PBHLN36#1	9800.00	7122.20	-54.30	372161.000	752551.900	Point

LEGEND

→ Plan #1

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

