



30-025-39743

EOG Resources, Inc.

Lea County

Endurance "25" Fed 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 @ 3385.30ft (25' KB)
Site:	Endurance "25" Fed Com	MD Reference:	WELL @ 3385.30ft (25' KB)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	Midland Database

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

Site		Endurance "25" Fed Com			
Site Position:		Northing:		Latitude:	
From:	Map	Easting:		Longitude:	
Position Uncertainty:		Slot Radius:		Grid Convergence:	

		372,173.800 ft	32° 1' 14.273 N
0.00 ft		751,132.000 ft	103° 31' 22.968 W
		"	0.43 °

Well	#1H					
Well Position	+N/-S	0.00 ft	Northing:	372,173.800 ft	Latitude:	32° 1' 14.273 N
	+E/-W	0.00 ft	Easting:	751,132.000 ft	Longitude:	103° 31' 22.968 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	3,360.30 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	02/16/2010	7.70	60.06	48,662

Design: Plan #1				
Audit Notes:				
Version:		Phase: PLAN	Tie On Depth: 0 00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0 00	179.56

Survey Tool Program		Date: 02/16/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	16,720.46	Plan #1 (OH)	MWD	MWD - Standard



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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	-3,385.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
100.00	0.00	0.00	100.00	-3,285.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
200.00	0.00	0.00	200.00	-3,185.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
300.00	0.00	0.00	300.00	-3,085.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
400.00	0.00	0.00	400.00	-2,985.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
500.00	0.00	0.00	500.00	-2,885.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
600.00	0.00	0.00	600.00	-2,785.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
700.00	0.00	0.00	700.00	-2,685.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
800.00	0.00	0.00	800.00	-2,585.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
900.00	0.00	0.00	900.00	-2,485.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,000.00	0.00	0.00	1,000.00	-2,385.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,100.00	0.00	0.00	1,100.00	-2,285.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,200.00	0.00	0.00	1,200.00	-2,185.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,300.00	0.00	0.00	1,300.00	-2,085.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,400.00	0.00	0.00	1,400.00	-1,985.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,500.00	0.00	0.00	1,500.00	-1,885.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,600.00	0.00	0.00	1,600.00	-1,785.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,700.00	0.00	0.00	1,700.00	-1,685.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,800.00	0.00	0.00	1,800.00	-1,585.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
1,900.00	0.00	0.00	1,900.00	-1,485.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,000.00	0.00	0.00	2,000.00	-1,385.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,100.00	0.00	0.00	2,100.00	-1,285.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,200.00	0.00	0.00	2,200.00	-1,185.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,300.00	0.00	0.00	2,300.00	-1,085.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,400.00	0.00	0.00	2,400.00	-985.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,500.00	0.00	0.00	2,500.00	-885.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,600.00	0.00	0.00	2,600.00	-785.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	



Pathfinder

Pathfinder X & Y Planning Report



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

Planned Survey											
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2,700.00	0.00	0.00	2,700.00	-685.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,800.00	0.00	0.00	2,800.00	-585.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
2,900.00	0.00	0.00	2,900.00	-485.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,000.00	0.00	0.00	3,000.00	-385.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,100.00	0.00	0.00	3,100.00	-285.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,200.00	0.00	0.00	3,200.00	-185.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,300.00	0.00	0.00	3,300.00	-85.30	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,400.00	0.00	0.00	3,400.00	14.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,500.00	0.00	0.00	3,500.00	114.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,600.00	0.00	0.00	3,600.00	214.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,700.00	0.00	0.00	3,700.00	314.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,800.00	0.00	0.00	3,800.00	414.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
3,900.00	0.00	0.00	3,900.00	514.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,000.00	0.00	0.00	4,000.00	614.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,100.00	0.00	0.00	4,100.00	714.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,200.00	0.00	0.00	4,200.00	814.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,300.00	0.00	0.00	4,300.00	914.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,400.00	0.00	0.00	4,400.00	1,014.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,500.00	0.00	0.00	4,500.00	1,114.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,600.00	0.00	0.00	4,600.00	1,214.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,700.00	0.00	0.00	4,700.00	1,314.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,800.00	0.00	0.00	4,800.00	1,414.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
4,900.00	0.00	0.00	4,900.00	1,514.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,000.00	0.00	0.00	5,000.00	1,614.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,100.00	0.00	0.00	5,100.00	1,714.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,200.00	0.00	0.00	5,200.00	1,814.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,300.00	0.00	0.00	5,300.00	1,914.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	



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5,400.00	0.00	0.00	5,400.00	2,014.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,500.00	0.00	0.00	5,500.00	2,114.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,600.00	0.00	0.00	5,600.00	2,214.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,700.00	0.00	0.00	5,700.00	2,314.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,800.00	0.00	0.00	5,800.00	2,414.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
5,900.00	0.00	0.00	5,900.00	2,514.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,000.00	0.00	0.00	6,000.00	2,614.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,100.00	0.00	0.00	6,100.00	2,714.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,200.00	0.00	0.00	6,200.00	2,814.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,300.00	0.00	0.00	6,300.00	2,914.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,400.00	0.00	0.00	6,400.00	3,014.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,500.00	0.00	0.00	6,500.00	3,114.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,600.00	0.00	0.00	6,600.00	3,214.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,700.00	0.00	0.00	6,700.00	3,314.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,800.00	0.00	0.00	6,800.00	3,414.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
6,900.00	0.00	0.00	6,900.00	3,514.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,000.00	0.00	0.00	7,000.00	3,614.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,100.00	0.00	0.00	7,100.00	3,714.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,200.00	0.00	0.00	7,200.00	3,814.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,300.00	0.00	0.00	7,300.00	3,914.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,400.00	0.00	0.00	7,400.00	4,014.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,500.00	0.00	0.00	7,500.00	4,114.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,600.00	0.00	0.00	7,600.00	4,214.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,700.00	0.00	0.00	7,700.00	4,314.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,800.00	0.00	0.00	7,800.00	4,414.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
7,900.00	0.00	0.00	7,900.00	4,514.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,000.00	0.00	0.00	8,000.00	4,614.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	



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8,100.00	0.00	0.00	8,100.00	4,714.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,200.00	0.00	0.00	8,200.00	4,814.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,300.00	0.00	0.00	8,300.00	4,914.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,400.00	0.00	0.00	8,400.00	5,014.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,500.00	0.00	0.00	8,500.00	5,114.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,600.00	0.00	0.00	8,600.00	5,214.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,700.00	0.00	0.00	8,700.00	5,314.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,800.00	0.00	0.00	8,800.00	5,414.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
8,900.00	0.00	0.00	8,900.00	5,514.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
9,000.00	0.00	0.00	9,000.00	5,614.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
9,100.00	0.00	0.00	9,100.00	5,714.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
9,200.00	0.00	0.00	9,200.00	5,814.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
9,300.00	0.00	0.00	9,300.00	5,914.70	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
9,322.50	0.00	0.00	9,322.50	5,937.20	0.00	0.00	0.00	0.00	372,173.80	751,132.00	
9,325.00	0.30	179.56	9,325.00	5,939.70	-0.01	0.00	0.01	12.00	372,173.79	751,132.00	
9,350.00	3.30	179.56	9,349.98	5,964.68	-0.79	0.01	0.79	12.00	372,173.01	751,132.01	
9,375.00	6.30	179.56	9,374.89	5,989.59	-2.88	0.02	2.88	12.00	372,170.92	751,132.02	
9,400.00	9.30	179.56	9,399.66	6,014.36	-6.28	0.05	6.28	12.00	372,167.52	751,132.05	
9,425.00	12.30	179.56	9,424.21	6,038.91	-10.96	0.08	10.96	12.00	372,162.84	751,132.08	
9,450.00	15.30	179.56	9,448.49	6,063.19	-16.92	0.13	16.92	12.00	372,156.88	751,132.13	
9,475.00	18.30	179.56	9,472.42	6,087.12	-24.15	0.19	24.15	12.00	372,149.65	751,132.19	
9,500.00	21.30	179.56	9,495.94	6,110.64	-32.61	0.25	32.61	12.00	372,141.19	751,132.25	
9,525.00	24.30	179.56	9,518.98	6,133.68	-42.30	0.32	42.30	12.00	372,131.50	751,132.32	
9,550.00	27.30	179.56	9,541.49	6,156.19	-53.18	0.41	53.18	12.00	372,120.62	751,132.41	
9,575.00	30.30	179.56	9,563.40	6,178.10	-65.22	0.50	65.22	12.00	372,108.58	751,132.50	
9,600.00	33.30	179.56	9,584.64	6,199.34	-78.39	0.60	78.39	12.00	372,095.41	751,132.60	
9,625.00	36.30	179.56	9,605.17	6,219.87	-92.65	0.71	92.66	12.00	372,081.15	751,132.71	

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9,650.00	39.30	179.56	9,624.92	6,239.62	-107.97	0.83	107.98	12.00	372,065.83	751,132.83	
9,675.00	42.30	179.56	9,643.84	6,258.54	-124.31	0.95	124.31	12.00	372,049.49	751,132.95	
9,700.00	45.30	179.56	9,661.89	6,276.59	-141.61	1.09	141.61	12.00	372,032.19	751,133.09	
9,725.00	48.30	179.56	9,679.00	6,293.70	-159.83	1.23	159.83	12.00	372,013.97	751,133.23	
9,750.00	51.30	179.56	9,695.14	6,309.84	-178.92	1.37	178.92	12.00	371,994.88	751,133.37	
9,775.00	54.30	179.56	9,710.25	6,324.95	-198.83	1.53	198.83	12.00	371,974.97	751,133.53	
9,800.00	57.30	179.56	9,724.30	6,339.00	-219.50	1.69	219.51	12.00	371,954.30	751,133.69	
9,825.00	60.30	179.56	9,737.25	6,351.95	-240.88	1.85	240.89	12.00	371,932.92	751,133.85	
9,850.00	63.30	179.56	9,749.07	6,363.77	-262.91	2.02	262.92	12.00	371,910.89	751,134.02	
9,875.00	66.30	179.56	9,759.71	6,374.41	-285.52	2.19	285.53	12.00	371,888.28	751,134.19	
9,900.00	69.29	179.56	9,769.16	6,383.86	-308.67	2.37	308.68	12.00	371,865.13	751,134.37	
9,925.00	72.29	179.56	9,777.38	6,392.08	-332.27	2.55	332.28	12.00	371,841.53	751,134.55	
9,950.00	75.29	179.56	9,784.36	6,399.06	-356.28	2.74	356.29	12.00	371,817.52	751,134.74	
9,975.00	78.29	179.56	9,790.07	6,404.77	-380.61	2.92	380.62	12.00	371,793.19	751,134.92	
10,000.00	81.29	179.56	9,794.50	6,409.20	-405.21	3.11	405.22	12.00	371,768.59	751,135.11	
10,025.00	84.29	179.56	9,797.63	6,412.33	-430.01	3.30	430.02	12.00	371,743.79	751,135.30	
10,050.00	87.29	179.56	9,799.47	6,414.17	-454.94	3.49	454.95	12.00	371,718.86	751,135.49	
10,072.56	90.00	179.56	9,800.00	6,414.70	-477.49	3.67	477.50	12.00	371,696.31	751,135.67	
10,100.00	90.00	179.56	9,800.00	6,414.70	-504.93	3.88	504.94	0.00	371,668.87	751,135.88	
10,200.00	90.00	179.56	9,800.00	6,414.70	-604.93	4.65	604.94	0.00	371,568.87	751,136.65	
10,300.00	90.00	179.56	9,800.00	6,414.70	-704.92	5.41	704.94	0.00	371,468.88	751,137.41	
10,400.00	90.00	179.56	9,800.00	6,414.70	-804.92	6.18	804.94	0.00	371,368.88	751,138.18	
10,500.00	90.00	179.56	9,800.00	6,414.70	-904.92	6.95	904.94	0.00	371,268.88	751,138.95	
10,600.00	90.00	179.56	9,800.00	6,414.70	-1,004.92	7.72	1,004.94	0.00	371,168.88	751,139.72	
10,700.00	90.00	179.56	9,800.00	6,414.70	-1,104.91	8.49	1,104.94	0.00	371,068.89	751,140.49	
10,800.00	90.00	179.56	9,800.00	6,414.70	-1,204.91	9.25	1,204.94	0.00	370,968.89	751,141.25	
10,900.00	90.00	179.56	9,800.00	6,414.70	-1,304.91	10.02	1,304.94	0.00	370,868.89	751,142.02	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 3385.30ft (25' KB)
Site:	Endurance "25" Fed Com	MD Reference:	WELL @ 3385.30ft (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)	D Leg (°/100ft)	Northing (ft)	Easting (ft)	
11,000.00	90.00	179.56	9,800.00	6,414.70	-1,404.90	10.79	1,404.94	0.00	370,768.90	751,142.79	
11,100.00	90.00	179.56	9,800.00	6,414.70	-1,504.90	11.56	1,504.94	0.00	370,668.90	751,143.56	
11,200.00	90.00	179.56	9,800.00	6,414.70	-1,604.90	12.32	1,604.94	0.00	370,568.90	751,144.32	
11,300.00	90.00	179.56	9,800.00	6,414.70	-1,704.89	13.09	1,704.94	0.00	370,468.91	751,145.09	
11,400.00	90.00	179.56	9,800.00	6,414.70	-1,804.89	13.86	1,804.94	0.00	370,368.91	751,145.86	
11,500.00	90.00	179.56	9,800.00	6,414.70	-1,904.89	14.63	1,904.94	0.00	370,268.91	751,146.63	
11,600.00	90.00	179.56	9,800.00	6,414.70	-2,004.89	15.40	2,004.94	0.00	370,168.91	751,147.40	
11,700.00	90.00	179.56	9,800.00	6,414.70	-2,104.88	16.16	2,104.94	0.00	370,068.92	751,148.16	
11,800.00	90.00	179.56	9,800.00	6,414.70	-2,204.88	16.93	2,204.94	0.00	369,968.92	751,148.93	
11,900.00	90.00	179.56	9,800.00	6,414.70	-2,304.88	17.70	2,304.94	0.00	369,868.92	751,149.70	
12,000.00	90.00	179.56	9,800.00	6,414.70	-2,404.87	18.47	2,404.94	0.00	369,768.93	751,150.47	
12,100.00	90.00	179.56	9,800.00	6,414.70	-2,504.87	19.24	2,504.94	0.00	369,668.93	751,151.24	
12,200.00	90.00	179.56	9,800.00	6,414.70	-2,604.87	20.00	2,604.94	0.00	369,568.93	751,152.00	
12,300.00	90.00	179.56	9,800.00	6,414.70	-2,704.86	20.77	2,704.94	0.00	369,468.94	751,152.77	
12,400.00	90.00	179.56	9,800.00	6,414.70	-2,804.86	21.54	2,804.94	0.00	369,368.94	751,153.54	
12,500.00	90.00	179.56	9,800.00	6,414.70	-2,904.86	22.31	2,904.94	0.00	369,268.94	751,154.31	
12,600.00	90.00	179.56	9,800.00	6,414.70	-3,004.86	23.08	3,004.94	0.00	369,168.94	751,155.08	
12,700.00	90.00	179.56	9,800.00	6,414.70	-3,104.85	23.84	3,104.94	0.00	369,068.95	751,155.84	
12,800.00	90.00	179.56	9,800.00	6,414.70	-3,204.85	24.61	3,204.94	0.00	368,968.95	751,156.61	
12,900.00	90.00	179.56	9,800.00	6,414.70	-3,304.85	25.38	3,304.94	0.00	368,868.95	751,157.38	
13,000.00	90.00	179.56	9,800.00	6,414.70	-3,404.84	26.15	3,404.94	0.00	368,768.96	751,158.15	
13,100.00	90.00	179.56	9,800.00	6,414.70	-3,504.84	26.92	3,504.94	0.00	368,668.96	751,158.92	
13,200.00	90.00	179.56	9,800.00	6,414.70	-3,604.84	27.68	3,604.94	0.00	368,568.96	751,159.68	
13,300.00	90.00	179.56	9,800.00	6,414.70	-3,704.84	28.45	3,704.94	0.00	368,468.96	751,160.45	
13,400.00	90.00	179.56	9,800.00	6,414.70	-3,804.83	29.22	3,804.94	0.00	368,368.97	751,161.22	
13,500.00	90.00	179.56	9,800.00	6,414.70	-3,904.83	29.99	3,904.94	0.00	368,268.97	751,161.99	
13,600.00	90.00	179.56	9,800.00	6,414.70	-4,004.83	30.76	4,004.94	0.00	368,168.97	751,162.76	



Pathfinder

Pathfinder X & Y Planning Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 3385.30ft (25' KB)
Site:	Endurance "25" Fed.Com	MD Reference:	WELL @ 3385.30ft (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)	D Leg (°/100ft)	Northing (ft)	Easting (ft)	
13,700.00	90.00	179.56	9,800.00	6,414.70	-4,104.82	31.52	4,104.94	0.00	368,068.98	751,163.52	
13,800.00	90.00	179.56	9,800.00	6,414.70	-4,204.82	32.29	4,204.94	0.00	367,968.98	751,164.29	
13,900.00	90.00	179.56	9,800.00	6,414.70	-4,304.82	33.06	4,304.94	0.00	367,868.98	751,165.06	
14,000.00	90.00	179.56	9,800.00	6,414.70	-4,404.81	33.83	4,404.94	0.00	367,768.99	751,165.83	
14,100.00	90.00	179.56	9,800.00	6,414.70	-4,504.81	34.60	4,504.94	0.00	367,668.99	751,166.60	
14,200.00	90.00	179.56	9,800.00	6,414.70	-4,604.81	35.36	4,604.94	0.00	367,568.99	751,167.36	
14,300.00	90.00	179.56	9,800.00	6,414.70	-4,704.81	36.13	4,704.94	0.00	367,468.99	751,168.13	
14,400.00	90.00	179.56	9,800.00	6,414.70	-4,804.80	36.90	4,804.94	0.00	367,369.00	751,168.90	
14,500.00	90.00	179.56	9,800.00	6,414.70	-4,904.80	37.67	4,904.94	0.00	367,269.00	751,169.67	
14,600.00	90.00	179.56	9,800.00	6,414.70	-5,004.80	38.43	5,004.94	0.00	367,169.00	751,170.43	
14,700.00	90.00	179.56	9,800.00	6,414.70	-5,104.79	39.20	5,104.94	0.00	367,069.01	751,171.20	
14,800.00	90.00	179.56	9,800.00	6,414.70	-5,204.79	39.97	5,204.94	0.00	366,969.01	751,171.97	
14,900.00	90.00	179.56	9,800.00	6,414.70	-5,304.79	40.74	5,304.94	0.00	366,869.01	751,172.74	
15,000.00	90.00	179.56	9,800.00	6,414.70	-5,404.79	41.51	5,404.94	0.00	366,769.01	751,173.51	
15,100.00	90.00	179.56	9,800.00	6,414.70	-5,504.78	42.27	5,504.94	0.00	366,669.02	751,174.27	
15,200.00	90.00	179.56	9,800.00	6,414.70	-5,604.78	43.04	5,604.94	0.00	366,569.02	751,175.04	
15,300.00	90.00	179.56	9,800.00	6,414.70	-5,704.78	43.81	5,704.94	0.00	366,469.02	751,175.81	
15,400.00	90.00	179.56	9,800.00	6,414.70	-5,804.77	44.58	5,804.94	0.00	366,369.03	751,176.58	
15,500.00	90.00	179.56	9,800.00	6,414.70	-5,904.77	45.35	5,904.94	0.00	366,269.03	751,177.35	
15,600.00	90.00	179.56	9,800.00	6,414.70	-6,004.77	46.11	6,004.94	0.00	366,169.03	751,178.11	
15,700.00	90.00	179.56	9,800.00	6,414.70	-6,104.76	46.88	6,104.94	0.00	366,069.04	751,178.88	
15,800.00	90.00	179.56	9,800.00	6,414.70	-6,204.76	47.65	6,204.94	0.00	365,969.04	751,179.65	
15,900.00	90.00	179.56	9,800.00	6,414.70	-6,304.76	48.42	6,304.94	0.00	365,869.04	751,180.42	
16,000.00	90.00	179.56	9,800.00	6,414.70	-6,404.76	49.19	6,404.94	0.00	365,769.04	751,181.19	
16,100.00	90.00	179.56	9,800.00	6,414.70	-6,504.75	49.95	6,504.94	0.00	365,669.05	751,181.95	
16,200.00	90.00	179.56	9,800.00	6,414.70	-6,604.75	50.72	6,604.94	0.00	365,569.05	751,182.72	
16,300.00	90.00	179.56	9,800.00	6,414.70	-6,704.75	51.49	6,704.94	0.00	365,469.05	751,183.49	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 3385.30ft (25' KB)
Site:	Endurance "25" Fed Com	MD Reference:	WELL @ 3385.30ft (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)	D Leg (°/100ft)	Northing (ft)	Easting (ft)	
16,400.00	90.00	179.56	9,800.00	6,414.70	-6,804.74	52.26	6,804.94	0.00	365,369.06	751,184.26	
16,500.00	90.00	179.56	9,800.00	6,414.70	-6,904.74	53.03	6,904.94	0.00	365,269.06	751,185.03	
16,600.00	90.00	179.56	9,800.00	6,414.70	-7,004.74	53.79	7,004.94	0.00	365,169.06	751,185.79	
16,700.00	90.00	179.56	9,800.00	6,414.70	-7,104.74	54.56	7,104.94	0.00	365,069.06	751,186.56	
16,720.46	90.00	179.56	9,800.00	6,414.70	-7,125.20	54.72	7,125.41	0.00	365,048.60	751,186.72	

Targets											
Target Name	hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude Longitude		
PBHL(EN25#1)	- plan hits target center	0.00	0.00	9,800.00	-7,125.20	54.20	365,048.600	751,186.200	32° 0' 3.760 N 103° 31' 22.959 W		
	- Point										

Checked By: _____ Approved By: _____ Date: _____



eog resources

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

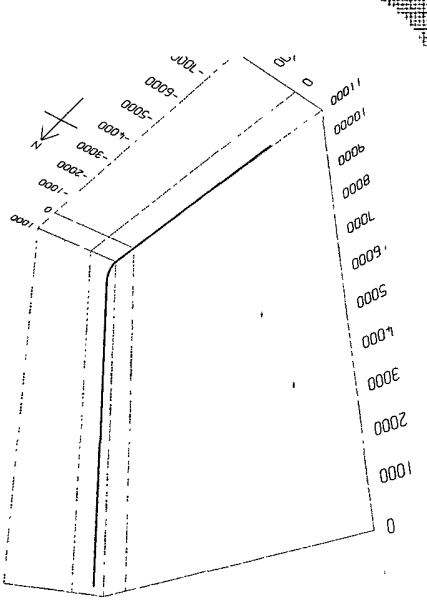


Azimuths to Grid North
True North: -0.43°
Magnetic North: 7.27°
Strength: 48662.1snT
Dip Angle: 60.06°
Date: 02/16/2010
Model: IGRF200510

WELL DETAILS #1H				
Ground Elevation: 3360.30	RKB Elevation: WELL @ 3385.30ft (25' KB)			
Rig Name: 25' KB				
+N/S	+E/W	North	East	Latitude
0.00	0.00	37273.800	751132.000	32° 1' 14.273 N 103° 31' 22.968 W

SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	Tface	Vsac 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	9322.50	0.00	0.00	0.00	0.00	0.00	0.00
3	10072.56	90.00	179.56	9800.00	-477.49	3.67	12.00	179.56	477.50
4	16720.46	90.00	179.56	9800.00	-7125.20	54.72	0.00	0.00	7125.41
PBHL(EN25#1)									

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/S	+E/W	North	East	Shape
PBHL(EN25#1)	9800.00	-7125.20	54.72	365048.600	751186.200	Point



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

LEGEND
+ Plan #1

