



EOG Resources, Inc.

Lea County
Pitchblende "19" Fed Com
#1H
OH

Plan: Plan #2

PathfinderX & Y Report

21 February, 2012

PATHFINDER[®]
A Schlumberger Company

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus: 139)
Site:	Pitchblende "19" Fed Com	MD Reference:	KB = 25 @ 3367.3usft (Cactus: 139)
Well:	#1H	North Reference:	Grd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM:5000.1 Single User Db

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

Site:	Pitchblende "19" Fed Com		
Site Position:		Northing:	407,727.300 usft
From:	Map	Easting:	784,862.600 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 7' 3.416 N
		Longitude:	103° 24' 47.689 W
		Grid Convergence:	0.49 °

Well	#1H					
Well Position	+N/-S	0.0 usft	Northing:	407,727.300 usft	Latitude:	32° 7' 3.416 N
	+E/-W	0.0 usft	Easting:	784,862.600 usft	Longitude:	103° 24' 47.689 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft	Ground Level:	3,342.3 usft

Wellbore		OH			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2/21/2012	7.41	60.12	48,540

Design					Plan #2				
Audit Notes:									
Version:		Phase:		PLAN		Tie On Depth:		0.0	
Vertical Section:		Depth From (TVD)		+N/-S		+E/-W		Direction	
		(usft)		(usft)		(usft)		(°)	
		0.0		0.0		0.0		178.00	

Survey Tool Program	Date	2/21/2012		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	17,001.5	Plan #2 (OH)	MWD	MWD - Standard

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Site:	Pitchblende "19" Fed Com.	MD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000.1 Single User Db

Planned Survey													
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)			
0.0	0.00	0.00	0.0	-3,367.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
100.0	0.00	0.00	100.0	-3,267.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
200.0	0.00	0.00	200.0	-3,167.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
300.0	0.00	0.00	300.0	-3,067.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
400.0	0.00	0.00	400.0	-2,967.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
500.0	0.00	0.00	500.0	-2,867.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
600.0	0.00	0.00	600.0	-2,767.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
700.0	0.00	0.00	700.0	-2,667.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
800.0	0.00	0.00	800.0	-2,567.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
900.0	0.00	0.00	900.0	-2,467.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,000.0	0.00	0.00	1,000.0	-2,367.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,100.0	0.00	0.00	1,100.0	-2,267.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,200.0	0.00	0.00	1,200.0	-2,167.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,300.0	0.00	0.00	1,300.0	-2,067.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,400.0	0.00	0.00	1,400.0	-1,967.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,500.0	0.00	0.00	1,500.0	-1,867.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,600.0	0.00	0.00	1,600.0	-1,767.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,700.0	0.00	0.00	1,700.0	-1,667.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,800.0	0.00	0.00	1,800.0	-1,567.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
1,900.0	0.00	0.00	1,900.0	-1,467.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
2,000.0	0.00	0.00	2,000.0	-1,367.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
2,100.0	0.00	0.00	2,100.0	-1,267.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
2,200.0	0.00	0.00	2,200.0	-1,167.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
2,300.0	0.00	0.00	2,300.0	-1,067.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
2,400.0	0.00	0.00	2,400.0	-967.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
2,500.0	0.00	0.00	2,500.0	-867.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			
2,600.0	0.00	0.00	2,600.0	-767.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60			

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H:
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Site:	Pitchblende "19" Fed Com	MD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000:1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
2,700.0	0.00	0.00	2,700.0	-667.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
2,800.0	0.00	0.00	2,800.0	-567.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
2,900.0	0.00	0.00	2,900.0	-467.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,000.0	0.00	0.00	3,000.0	-367.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,100.0	0.00	0.00	3,100.0	-267.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,200.0	0.00	0.00	3,200.0	-167.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,300.0	0.00	0.00	3,300.0	-67.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,400.0	0.00	0.00	3,400.0	32.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,500.0	0.00	0.00	3,500.0	132.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,600.0	0.00	0.00	3,600.0	232.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,700.0	0.00	0.00	3,700.0	332.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,800.0	0.00	0.00	3,800.0	432.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
3,900.0	0.00	0.00	3,900.0	532.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,000.0	0.00	0.00	4,000.0	632.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,100.0	0.00	0.00	4,100.0	732.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,200.0	0.00	0.00	4,200.0	832.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,300.0	0.00	0.00	4,300.0	932.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,400.0	0.00	0.00	4,400.0	1,032.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,500.0	0.00	0.00	4,500.0	1,132.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,600.0	0.00	0.00	4,600.0	1,232.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,700.0	0.00	0.00	4,700.0	1,332.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,800.0	0.00	0.00	4,800.0	1,432.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
4,900.0	0.00	0.00	4,900.0	1,532.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,000.0	0.00	0.00	5,000.0	1,632.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,100.0	0.00	0.00	5,100.0	1,732.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,200.0	0.00	0.00	5,200.0	1,832.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,300.0	0.00	0.00	5,300.0	1,932.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	

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Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000.1-Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D Log (/100usft)	Northing (usft)	Easting (usft)	
5,400.0	0.00	0.00	5,400.0	2,032.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,500.0	0.00	0.00	5,500.0	2,132.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,600.0	0.00	0.00	5,600.0	2,232.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,700.0	0.00	0.00	5,700.0	2,332.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,800.0	0.00	0.00	5,800.0	2,432.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
5,900.0	0.00	0.00	5,900.0	2,532.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,000.0	0.00	0.00	6,000.0	2,632.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,100.0	0.00	0.00	6,100.0	2,732.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,200.0	0.00	0.00	6,200.0	2,832.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,300.0	0.00	0.00	6,300.0	2,932.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,400.0	0.00	0.00	6,400.0	3,032.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,500.0	0.00	0.00	6,500.0	3,132.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,600.0	0.00	0.00	6,600.0	3,232.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,700.0	0.00	0.00	6,700.0	3,332.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,800.0	0.00	0.00	6,800.0	3,432.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
6,900.0	0.00	0.00	6,900.0	3,532.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,000.0	0.00	0.00	7,000.0	3,632.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,100.0	0.00	0.00	7,100.0	3,732.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,200.0	0.00	0.00	7,200.0	3,832.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,300.0	0.00	0.00	7,300.0	3,932.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,400.0	0.00	0.00	7,400.0	4,032.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,500.0	0.00	0.00	7,500.0	4,132.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,600.0	0.00	0.00	7,600.0	4,232.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,700.0	0.00	0.00	7,700.0	4,332.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,800.0	0.00	0.00	7,800.0	4,432.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
7,900.0	0.00	0.00	7,900.0	4,532.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
8,000.0	0.00	0.00	8,000.0	4,632.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	

Company:	Eog Resources, Inc.	Local Co-ordinate Reference:	Well #1H:
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Site:	Pitchblende 19 Fed Com	MD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000.1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
8,100.0	0.00	0.00	8,100.0	4,732.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
8,200.0	0.00	0.00	8,200.0	4,832.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
8,300.0	0.00	0.00	8,300.0	4,932.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
8,400.0	0.00	0.00	8,400.0	5,032.7	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
8,472.6	0.00	0.00	8,472.6	5,105.3	0.0	0.0	0.0	0.00	407,727.30	784,862.60	
8,475.0	0.29	178.00	8,475.0	5,107.7	0.0	0.0	0.0	12.00	407,727.29	784,862.60	
8,500.0	3.29	178.00	8,500.0	5,132.7	-0.8	0.0	0.8	12.00	407,726.51	784,862.63	
8,525.0	6.29	178.00	8,524.9	5,157.6	-2.9	0.1	2.9	12.00	407,724.43	784,862.70	
8,550.0	9.29	178.00	8,549.7	5,182.4	-6.3	0.2	6.3	12.00	407,721.04	784,862.82	
8,575.0	12.29	178.00	8,574.2	5,206.9	-10.9	0.4	10.9	12.00	407,716.37	784,862.98	
8,600.0	15.29	178.00	8,598.5	5,231.2	-16.9	0.6	16.9	12.00	407,710.41	784,863.19	
8,625.0	18.29	178.00	8,622.4	5,255.1	-24.1	0.8	24.1	12.00	407,703.20	784,863.44	
8,650.0	21.29	178.00	8,645.9	5,278.6	-32.6	1.1	32.6	12.00	407,694.74	784,863.74	
8,675.0	24.29	178.00	8,669.0	5,301.7	-42.2	1.5	42.3	12.00	407,685.06	784,864.07	
8,700.0	27.29	178.00	8,691.5	5,324.2	-53.1	1.9	53.1	12.00	407,674.20	784,864.45	
8,725.0	30.29	178.00	8,713.4	5,346.1	-65.1	2.3	65.2	12.00	407,662.17	784,864.87	
8,750.0	33.29	178.00	8,734.7	5,367.4	-78.3	2.7	78.3	12.00	407,649.01	784,865.33	
8,775.0	36.29	178.00	8,755.2	5,387.9	-92.5	3.2	92.6	12.00	407,634.75	784,865.83	
8,800.0	39.29	178.00	8,774.9	5,407.6	-107.9	3.8	107.9	12.00	407,619.45	784,866.36	
8,825.0	42.29	178.00	8,793.9	5,426.6	-124.2	4.3	124.2	12.00	407,603.13	784,866.93	
8,850.0	45.29	178.00	8,811.9	5,444.6	-141.5	4.9	141.5	12.00	407,585.84	784,867.53	
8,875.0	48.29	178.00	8,829.0	5,461.7	-159.7	5.6	159.8	12.00	407,567.63	784,868.17	
8,900.0	51.29	178.00	8,845.2	5,477.9	-178.7	6.2	178.9	12.00	407,548.55	784,868.83	
8,925.0	54.29	178.00	8,860.3	5,493.0	-198.6	6.9	198.8	12.00	407,528.66	784,869.53	
8,950.0	57.29	178.00	8,874.3	5,507.0	-219.3	7.6	219.4	12.00	407,508.00	784,870.25	
8,975.0	60.29	178.00	8,887.3	5,520.0	-240.7	8.4	240.8	12.00	407,486.63	784,870.99	
9,000.0	63.29	178.00	8,899.1	5,531.8	-262.7	9.2	262.8	12.00	407,464.62	784,871.76	

Company:	EOG Resources, Inc	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Site:	Pitchblende "19" Fed Com	MD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Well:	#1H	North Reference:	Grid:
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
9,025.0	66.29	178.00	8,909.8	5,542.5	-285.3	9.9	285.5	12.00	407,442.02	784,872.55
9,050.0	69.29	178.00	8,919.2	5,551.9	-308.4	10.8	308.6	12.00	407,418.89	784,873.35
9,075.0	72.29	178.00	8,927.4	5,560.1	-332.0	11.6	332.2	12.00	407,395.30	784,874.18
9,100.0	75.29	178.00	8,934.4	5,567.1	-356.0	12.4	356.2	12.00	407,371.31	784,875.01
9,125.0	78.29	178.00	8,940.1	5,572.8	-380.3	13.3	380.5	12.00	407,346.99	784,875.86
9,150.0	81.29	178.00	8,944.6	5,577.3	-404.9	14.1	405.1	12.00	407,322.40	784,876.72
9,175.0	84.29	178.00	8,947.7	5,580.4	-429.7	15.0	429.9	12.00	407,297.62	784,877.58
9,200.0	87.29	178.00	8,949.5	5,582.2	-454.6	15.9	454.9	12.00	407,272.70	784,878.45
9,226.8	90.50	178.00	8,950.0	5,582.7	-481.3	16.8	481.6	12.00	407,245.95	784,879.38
9,300.0	90.50	178.00	8,949.4	5,582.1	-554.5	19.3	554.9	0.00	407,172.78	784,881.93
9,400.0	90.50	178.00	8,948.5	5,581.2	-654.5	22.8	654.9	0.00	407,072.84	784,885.42
9,500.0	90.50	178.00	8,947.7	5,580.4	-754.4	26.3	754.9	0.00	406,972.90	784,888.90
9,600.0	90.50	178.00	8,946.8	5,579.5	-854.3	29.8	854.9	0.00	406,872.97	784,892.39
9,700.0	90.50	178.00	8,945.9	5,578.6	-954.3	33.3	954.8	0.00	406,773.03	784,895.87
9,800.0	90.50	178.00	8,945.0	5,577.7	-1,054.2	36.8	1,054.8	0.00	406,673.10	784,899.36
9,900.0	90.50	178.00	8,944.2	5,576.9	-1,154.1	40.2	1,154.8	0.00	406,573.16	784,902.84
10,000.0	90.50	178.00	8,943.3	5,576.0	-1,254.1	43.7	1,254.8	0.00	406,473.23	784,906.33
10,100.0	90.50	178.00	8,942.4	5,575.1	-1,354.0	47.2	1,354.8	0.00	406,373.29	784,909.81
10,200.0	90.50	178.00	8,941.5	5,574.2	-1,453.9	50.7	1,454.8	0.00	406,273.36	784,913.30
10,300.0	90.50	178.00	8,940.7	5,573.4	-1,553.9	54.2	1,554.8	0.00	406,173.42	784,916.78
10,400.0	90.50	178.00	8,939.8	5,572.5	-1,653.8	57.7	1,654.8	0.00	406,073.49	784,920.26
10,500.0	90.50	178.00	8,938.9	5,571.6	-1,753.8	61.1	1,754.8	0.00	405,973.55	784,923.75
10,600.0	90.50	178.00	8,938.0	5,570.7	-1,853.7	64.6	1,854.8	0.00	405,873.61	784,927.23
10,700.0	90.50	178.00	8,937.2	5,569.9	-1,953.6	68.1	1,954.8	0.00	405,773.68	784,930.72
10,800.0	90.50	178.00	8,936.3	5,569.0	-2,053.6	71.6	2,054.8	0.00	405,673.74	784,934.20
10,900.0	90.50	178.00	8,935.4	5,568.1	-2,153.5	75.1	2,154.8	0.00	405,573.81	784,937.69
11,000.0	90.50	178.00	8,934.5	5,567.2	-2,253.4	78.6	2,254.8	0.00	405,473.87	784,941.17

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Site:	Pitchblende "19" Fed Com	MDI Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000.1:Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Dleg (°/100usft)	North (usft)	Easting (usft)	
11,100.0	90.50	178.00	8,933.7	5,566.4	-2,353.4	82.1	2,354.8	0.00	405,373.94	784,944.66	
11,200.0	90.50	178.00	8,932.8	5,565.5	-2,453.3	85.5	2,454.8	0.00	405,274.00	784,948.14	
11,300.0	90.50	178.00	8,931.9	5,564.6	-2,553.2	89.0	2,554.8	0.00	405,174.07	784,951.63	
11,400.0	90.50	178.00	8,931.1	5,563.8	-2,653.2	92.5	2,654.8	0.00	405,074.13	784,955.11	
11,500.0	90.50	178.00	8,930.2	5,562.9	-2,753.1	96.0	2,754.8	0.00	404,974.20	784,958.59	
11,600.0	90.50	178.00	8,929.3	5,562.0	-2,853.0	99.5	2,854.8	0.00	404,874.26	784,962.08	
11,700.0	90.50	178.00	8,928.4	5,561.1	-2,953.0	103.0	2,954.8	0.00	404,774.32	784,965.56	
11,800.0	90.50	178.00	8,927.6	5,560.3	-3,052.9	106.4	3,054.8	0.00	404,674.39	784,969.05	
11,900.0	90.50	178.00	8,926.7	5,559.4	-3,152.8	109.9	3,154.8	0.00	404,574.45	784,972.53	
12,000.0	90.50	178.00	8,925.8	5,558.5	-3,252.8	113.4	3,254.8	0.00	404,474.52	784,976.02	
12,100.0	90.50	178.00	8,924.9	5,557.6	-3,352.7	116.9	3,354.8	0.00	404,374.58	784,979.50	
12,200.0	90.50	178.00	8,924.1	5,556.8	-3,452.7	120.4	3,454.8	0.00	404,274.65	784,982.99	
12,300.0	90.50	178.00	8,923.2	5,555.9	-3,552.6	123.9	3,554.7	0.00	404,174.71	784,986.47	
12,400.0	90.50	178.00	8,922.3	5,555.0	-3,652.5	127.4	3,654.7	0.00	404,074.78	784,989.95	
12,500.0	90.50	178.00	8,921.4	5,554.1	-3,752.5	130.8	3,754.7	0.00	403,974.84	784,993.44	
12,600.0	90.50	178.00	8,920.6	5,553.3	-3,852.4	134.3	3,854.7	0.00	403,874.91	784,996.92	
12,700.0	90.50	178.00	8,919.7	5,552.4	-3,952.3	137.8	3,954.7	0.00	403,774.97	785,000.41	
12,800.0	90.50	178.00	8,918.8	5,551.5	-4,052.3	141.3	4,054.7	0.00	403,675.03	785,003.89	
12,900.0	90.50	178.00	8,917.9	5,550.6	-4,152.2	144.8	4,154.7	0.00	403,575.10	785,007.38	
13,000.0	90.50	178.00	8,917.1	5,549.8	-4,252.1	148.3	4,254.7	0.00	403,475.16	785,010.86	
13,100.0	90.50	178.00	8,916.2	5,548.9	-4,352.1	151.7	4,354.7	0.00	403,375.23	785,014.35	
13,200.0	90.50	178.00	8,915.3	5,548.0	-4,452.0	155.2	4,454.7	0.00	403,275.29	785,017.83	
13,300.0	90.50	178.00	8,914.4	5,547.1	-4,551.9	158.7	4,554.7	0.00	403,175.36	785,021.32	
13,400.0	90.50	178.00	8,913.6	5,546.3	-4,651.9	162.2	4,654.7	0.00	403,075.42	785,024.80	
13,500.0	90.50	178.00	8,912.7	5,545.4	-4,751.8	165.7	4,754.7	0.00	402,975.49	785,028.28	
13,600.0	90.50	178.00	8,911.8	5,544.5	-4,851.7	169.2	4,854.7	0.00	402,875.55	785,031.77	
13,700.0	90.50	178.00	8,911.0	5,543.7	-4,951.7	172.7	4,954.7	0.00	402,775.62	785,035.25	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus-139)
Site:	Pitchblende "19" Fed Com	MD Reference:	KB = 25 @ 3367.3usft (Cactus,139)
Well:	#1H	North Reference:	Grd
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000.1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V:Sec (usft)	D:Leg (°/100usft)	Northing (usft)	Easting (usft)	
13,800.0	90.50	178.00	8,910.1	5,542.8	-5,051.6	176.1	5,054.7	0.00	402,675.68	785,038.74	
13,900.0	90.50	178.00	8,909.2	5,541.9	-5,151.6	179.6	5,154.7	0.00	402,575.74	785,042.22	
14,000.0	90.50	178.00	8,908.3	5,541.0	-5,251.5	183.1	5,254.7	0.00	402,475.81	785,045.71	
14,100.0	90.50	178.00	8,907.5	5,540.2	-5,351.4	186.6	5,354.7	0.00	402,375.87	785,049.19	
14,200.0	90.50	178.00	8,906.6	5,539.3	-5,451.4	190.1	5,454.7	0.00	402,275.94	785,052.68	
14,300.0	90.50	178.00	8,905.7	5,538.4	-5,551.3	193.6	5,554.7	0.00	402,176.00	785,056.16	
14,400.0	90.50	178.00	8,904.8	5,537.5	-5,651.2	197.0	5,654.7	0.00	402,076.07	785,059.65	
14,500.0	90.50	178.00	8,904.0	5,536.7	-5,751.2	200.5	5,754.7	0.00	401,976.13	785,063.13	
14,600.0	90.50	178.00	8,903.1	5,535.8	-5,851.1	204.0	5,854.7	0.00	401,876.20	785,066.61	
14,700.0	90.50	178.00	8,902.2	5,534.9	-5,951.0	207.5	5,954.7	0.00	401,776.26	785,070.10	
14,800.0	90.50	178.00	8,901.3	5,534.0	-6,051.0	211.0	6,054.7	0.00	401,676.33	785,073.58	
14,900.0	90.50	178.00	8,900.5	5,533.2	-6,150.9	214.5	6,154.6	0.00	401,576.39	785,077.07	
15,000.0	90.50	178.00	8,899.6	5,532.3	-6,250.8	218.0	6,254.6	0.00	401,476.45	785,080.55	
15,100.0	90.50	178.00	8,898.7	5,531.4	-6,350.8	221.4	6,354.6	0.00	401,376.52	785,084.04	
15,200.0	90.50	178.00	8,897.8	5,530.5	-6,450.7	224.9	6,454.6	0.00	401,276.58	785,087.52	
15,300.0	90.50	178.00	8,897.0	5,529.7	-6,550.7	228.4	6,554.6	0.00	401,176.65	785,091.01	
15,400.0	90.50	178.00	8,896.1	5,528.8	-6,650.6	231.9	6,654.6	0.00	401,076.71	785,094.49	
15,500.0	90.50	178.00	8,895.2	5,527.9	-6,750.5	235.4	6,754.6	0.00	400,976.78	785,097.97	
15,600.0	90.50	178.00	8,894.3	5,527.0	-6,850.5	238.9	6,854.6	0.00	400,876.84	785,101.46	
15,700.0	90.50	178.00	8,893.5	5,526.2	-6,950.4	242.3	6,954.6	0.00	400,776.91	785,104.94	
15,800.0	90.50	178.00	8,892.6	5,525.3	-7,050.3	245.8	7,054.6	0.00	400,676.97	785,108.43	
15,900.0	90.50	178.00	8,891.7	5,524.4	-7,150.3	249.3	7,154.6	0.00	400,577.04	785,111.91	
16,000.0	90.50	178.00	8,890.9	5,523.6	-7,250.2	252.8	7,254.6	0.00	400,477.10	785,115.40	
16,100.0	90.50	178.00	8,890.0	5,522.7	-7,350.1	256.3	7,354.6	0.00	400,377.16	785,118.88	
16,200.0	90.50	178.00	8,889.1	5,521.8	-7,450.1	259.8	7,454.6	0.00	400,277.23	785,122.37	
16,300.0	90.50	178.00	8,888.2	5,520.9	-7,550.0	263.3	7,554.6	0.00	400,177.29	785,125.85	
16,400.0	90.50	178.00	8,887.4	5,520.1	-7,649.9	266.7	7,654.6	0.00	400,077.36	785,129.34	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Site:	Pitchblende "19" Fed Com	MD Reference:	KB = 25 @ 3367.3usft (Cactus 139)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #2	Database:	EDM 5000:1 Single User Db

Planned Survey											
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	Dleg (°/100usft)	Northing (usft)	Easting (usft)	
16,500.0	90.50	178.00	8,886.5	5,519.2	-7,749.9	270.2	7,754.6	0.00	399,977.42	785,132.82	
16,600.0	90.50	178.00	8,885.6	5,518.3	-7,849.8	273.7	7,854.6	0.00	399,877.49	785,136.30	
16,700.0	90.50	178.00	8,884.7	5,517.4	-7,949.7	277.2	7,954.6	0.00	399,777.55	785,139.79	
16,800.0	90.50	178.00	8,883.9	5,516.6	-8,049.7	280.7	8,054.6	0.00	399,677.62	785,143.27	
16,900.0	90.50	178.00	8,883.0	5,515.7	-8,149.6	284.2	8,154.6	0.00	399,577.68	785,146.76	
17,001.6	90.50	178.00	8,882.1	5,514.8	-8,251.2	287.7	8,256.2	0.00	399,476.10	785,150.30	

Checked By: _____	Approved By: _____	Date: _____
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