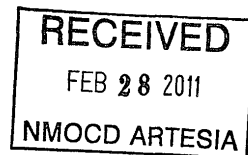




30-015-37214

EOG Resources, Inc.

Eddy County
Sand Tank 1 Fed Com
#4H
OH



Survey: MWD #1

Pathfinder X & Y Survey Report

13 December, 2010



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3557.80usft (19' KB Correction)
Site:	Sand Tank 1 Fed Com	MD Reference:	WELL @ 3557.80usft (19' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project: Eddy 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 Sand Tank 1 Fed Com					
Site Position:		Northing:	645,298.300 usft	Latitude:	32° 46' 25.050 N
From:	Map	Easting:	596,324.000 usft	Longitude:	104° 1' 11.807 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.17 °

Well	#4H					
Well Position	+N/-S	0.00 usft	Northing:	646,702.900 usft	Latitude:	32° 46' 38.951 N
	+E/-W	0.00 usft	Easting:	596,234.300 usft	Longitude:	104° 1' 12.809 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,538.80 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	06/29/09	8.06	60.69	49,124

Design:	OH				
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	52.33	

Survey Program		Date 12/13/10		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	12,005.00	MWD #1 (OH)	MWD	MWD - Standard

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3557.80usft (19' KB Correction)
Site:	Sand Tank 1 Fed Com	MD Reference:	WELL @ 3557.80usft (19' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	3,557.80	0.00	0.00	0.00	0.00	646,702.90	596,234.30
100.00	0.49	67.77	100.00	3,457.80	0.16	0.40	0.41	0.49	646,703.06	596,234.70
200.00	1.12	89.25	199.99	3,357.81	0.34	1.77	1.61	0.69	646,703.24	596,236.07
300.00	1.17	89.53	299.97	3,257.83	0.36	3.77	3.20	0.05	646,703.26	596,238.07
400.00	1.18	85.30	399.95	3,157.85	0.45	5.81	4.88	0.09	646,703.35	596,240.11
500.00	1.11	87.84	499.93	3,057.87	0.57	7.81	6.53	0.09	646,703.47	596,242.11
600.00	1.17	94.47	599.91	2,957.89	0.53	9.79	8.07	0.14	646,703.43	596,244.09
700.00	1.39	84.58	699.88	2,857.92	0.56	12.02	9.86	0.31	646,703.46	596,246.32
800.00	1.32	90.78	799.86	2,757.94	0.66	14.38	11.79	0.16	646,703.56	596,248.68
900.00	1.46	83.74	899.83	2,657.97	0.79	16.80	13.77	0.22	646,703.69	596,251.10
1,000.00	1.65	93.85	999.79	2,558.01	0.83	19.50	15.94	0.33	646,703.73	596,253.80
1,100.00	1.80	86.70	1,099.74	2,458.06	0.82	22.50	18.31	0.26	646,703.72	596,256.80
1,200.00	2.01	86.84	1,199.69	2,358.11	1.01	25.82	21.05	0.21	646,703.91	596,260.12
1,300.00	1.81	85.88	1,299.63	2,258.17	1.22	29.15	23.82	0.20	646,704.12	596,263.45
1,400.00	1.86	82.58	1,399.58	2,158.22	1.54	32.33	26.53	0.12	646,704.44	596,266.63
1,500.00	1.88	82.46	1,499.53	2,058.27	1.97	35.57	29.35	0.02	646,704.87	596,269.87
1,600.00	1.67	81.41	1,599.48	1,958.32	2.40	38.64	32.05	0.21	646,705.30	596,272.94
1,700.00	1.77	73.99	1,699.44	1,858.36	3.04	41.56	34.75	0.24	646,705.94	596,275.86
1,800.00	1.86	74.35	1,799.39	1,758.41	3.91	44.61	37.69	0.09	646,706.81	596,278.91
1,900.00	1.67	71.58	1,899.34	1,658.46	4.80	47.55	40.57	0.21	646,707.70	596,281.85
2,000.00	1.82	71.93	1,999.29	1,558.51	5.76	50.45	43.45	0.15	646,708.66	596,284.75
2,100.00	1.61	73.43	2,099.25	1,458.55	6.65	53.30	46.25	0.21	646,709.55	596,287.60
2,200.00	1.64	65.30	2,199.21	1,358.59	7.65	55.95	48.96	0.23	646,710.55	596,290.25
2,300.00	1.59	68.54	2,299.17	1,258.63	8.75	58.54	51.68	0.10	646,711.65	596,292.84
2,400.00	1.28	67.34	2,399.14	1,158.66	9.69	60.86	54.10	0.31	646,712.59	596,295.16
2,500.00	1.29	70.41	2,499.11	1,058.69	10.50	62.95	56.24	0.07	646,713.40	596,297.25
2,600.00	1.01	65.89	2,599.09	958.71	11.24	64.82	58.17	0.29	646,714.14	596,299.12

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #4H:
Project:	Eddy County	TVD Reference:	WELL @ 3557.80usft (19' KB Correction)
Site:	Sand Tank 1 Fed Com.	MD Reference:	WELL @ 3557.80usft (19' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,700.00	0.95	65.73	2,699.08	858.72	11.94	66.38	59.83	0.06	646,714.84	596,300.68
2,800.00	0.77	41.37	2,799.06	758.74	12.78	67.58	61.30	0.40	646,715.68	596,301.88
2,900.00	0.92	59.96	2,899.05	658.75	13.69	68.72	62.76	0.31	646,716.59	596,303.02
3,000.00	0.84	68.36	2,999.04	558.76	14.36	70.09	64.26	0.15	646,717.26	596,304.39
3,100.00	0.84	52.86	3,099.03	458.77	15.07	71.36	65.69	0.23	646,717.97	596,305.66
3,200.00	0.72	51.58	3,199.02	358.78	15.91	72.44	67.05	0.12	646,718.81	596,306.74
3,217.00	0.98	44.30	3,216.02	341.78	16.08	72.62	67.31	1.65	646,718.98	596,306.92
3,382.00	0.79	127.70	3,381.01	176.79	16.39	74.51	68.99	0.72	646,719.29	596,308.81
3,568.00	1.06	48.42	3,566.99	-9.19	16.75	76.81	71.03	0.64	646,719.65	596,311.11
3,756.00	0.79	40.51	3,754.96	-197.16	18.89	78.95	74.03	0.16	646,721.79	596,313.25
3,945.00	0.79	49.65	3,943.95	-386.15	20.72	80.79	76.61	0.07	646,723.62	596,315.09
4,132.00	0.97	49.92	4,130.92	-573.12	22.58	82.98	79.48	0.10	646,725.48	596,317.28
4,332.00	1.06	41.13	4,330.89	-773.09	25.06	85.50	82.99	0.09	646,727.96	596,319.80
4,429.00	1.06	44.64	4,427.88	-870.08	26.38	86.72	84.75	0.07	646,729.28	596,321.02
4,525.00	1.06	54.22	4,523.86	-966.06	27.53	88.06	86.52	0.18	646,730.43	596,322.36
4,618.00	1.23	45.35	4,616.84	-1,059.04	28.73	89.47	88.37	0.26	646,731.63	596,323.77
4,711.00	1.14	52.91	4,709.82	-1,152.02	29.99	90.92	90.29	0.19	646,732.89	596,325.22
4,805.00	1.14	56.60	4,803.80	-1,246.00	31.07	92.44	92.16	0.08	646,733.97	596,326.74
4,899.00	1.23	49.92	4,897.78	-1,339.98	32.23	94.00	94.10	0.18	646,735.13	596,328.30
4,993.00	0.88	66.09	4,991.77	-1,433.97	33.18	95.43	95.81	0.49	646,736.08	596,329.73
5,087.00	0.88	51.59	5,085.76	-1,527.96	33.92	96.65	97.23	0.24	646,736.82	596,330.95
5,181.00	0.53	21.00	5,179.75	-1,621.95	34.77	97.37	98.32	0.53	646,737.67	596,331.67
5,274.00	0.70	321.06	5,272.74	-1,714.94	35.61	97.17	98.68	0.68	646,738.51	596,331.47
5,368.00	1.49	280.37	5,366.73	-1,808.93	36.28	95.61	97.85	1.13	646,739.18	596,329.91
5,461.00	1.14	291.62	5,459.70	-1,901.90	36.84	93.56	96.57	0.47	646,739.74	596,327.86
5,524.00	0.97	313.77	5,522.69	-1,964.89	37.44	92.59	96.17	0.70	646,740.34	596,326.89
5,617.00	1.23	320.53	5,615.67	-2,057.87	38.75	91.39	96.02	0.31	646,741.65	596,325.69

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3557.80usft (19' KB Correction)
Site:	Sand Tank 1 Fed Com	MD Reference:	WELL @ 3557.80usft (19' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
5,710.00	1.23	313.06	5,708.65	-2,150.85	40.21	90.02	95.83	0.17	646,743.11	596,324.32	
5,804.00	1.41	326.16	5,802.63	-2,244.83	41.86	88.64	95.74	0.37	646,744.76	596,322.94	
5,897.00	1.93	326.25	5,895.59	-2,337.79	44.11	87.14	95.93	0.56	646,747.01	596,321.44	
5,990.00	1.49	348.75	5,988.55	-2,430.75	46.60	86.03	96.57	0.85	646,749.50	596,320.33	
6,083.00	0.62	336.18	6,081.53	-2,523.73	48.24	85.59	97.23	0.96	646,751.14	596,319.89	
6,177.00	1.76	339.78	6,175.51	-2,617.71	50.06	84.89	97.78	1.21	646,752.96	596,319.19	
6,271.00	2.20	7.73	6,269.46	-2,711.66	53.20	84.63	99.50	1.11	646,756.10	596,318.93	
6,333.00	1.49	341.19	6,331.42	-2,773.62	55.15	84.53	100.61	1.76	646,758.05	596,318.83	
6,426.00	0.97	29.97	6,424.40	-2,866.60	56.97	84.53	101.73	1.21	646,759.87	596,318.83	
6,488.00	1.41	47.19	6,486.39	-2,928.59	57.95	85.36	102.97	0.91	646,760.85	596,319.66	
6,550.00	0.62	330.11	6,548.38	-2,990.58	58.76	85.75	103.78	2.27	646,761.66	596,320.05	
6,613.00	0.88	272.11	6,611.38	-3,053.58	59.07	85.09	103.45	1.21	646,761.97	596,319.39	
6,675.00	0.97	269.56	6,673.37	-3,115.57	59.08	84.09	102.67	0.16	646,761.98	596,318.39	
6,738.00	1.14	270.00	6,736.36	-3,178.56	59.08	82.93	101.75	0.27	646,761.98	596,317.23	
6,800.00	1.23	281.60	6,798.35	-3,240.55	59.21	81.67	100.83	0.41	646,762.11	596,315.97	
6,862.00	1.14	276.94	6,860.33	-3,302.53	59.42	80.40	99.95	0.21	646,762.32	596,314.70	
6,925.00	1.06	278.52	6,923.32	-3,365.52	59.58	79.20	99.10	0.14	646,762.48	596,313.50	
7,018.00	1.14	275.01	7,016.30	-3,458.50	59.79	77.43	97.83	0.11	646,762.69	596,311.73	
7,073.00	1.23	270.70	7,071.29	-3,513.49	59.85	76.30	96.96	0.23	646,762.75	596,310.60	
7,104.00	2.90	270.70	7,102.27	-3,544.47	59.86	75.18	96.09	5.39	646,762.76	596,309.48	
7,135.00	6.42	269.64	7,133.16	-3,575.36	59.86	72.66	94.09	11.36	646,762.76	596,306.96	
7,166.00	10.29	270.00	7,163.83	-3,606.03	59.85	68.16	90.52	12.48	646,762.75	596,302.46	
7,197.00	14.16	270.35	7,194.12	-3,636.32	59.87	61.59	85.34	12.49	646,762.77	596,295.89	
7,229.00	17.67	270.88	7,224.89	-3,667.09	59.97	52.82	78.46	10.98	646,762.87	596,287.12	
7,260.00	21.54	272.19	7,254.09	-3,696.29	60.26	42.43	70.41	12.56	646,763.16	596,276.73	
7,290.00	25.06	273.33	7,281.64	-3,723.84	60.84	30.58	61.38	11.83	646,763.74	596,264.88	
7,322.00	28.58	272.72	7,310.19	-3,752.39	61.60	16.16	50.44	11.03	646,764.50	596,250.46	

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 1 Fed Com
Well: #4H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #4H
WELL @ 3557.80usft (19' KB Correction)
WELL @ 3557.80usft (19' KB Correction)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
7,353.00	32.45	270.70	7,336.89	-3,779.09	62.05	0.43	38.27	12.91	646,764.95	596,234.73
7,384.00	36.40	268.94	7,362.46	-3,804.66	61.98	-17.09	24.36	13.14	646,764.88	596,217.21
7,415.00	40.54	268.50	7,386.72	-3,828.92	61.55	-36.36	8.83	13.38	646,764.45	596,197.94
7,446.00	44.49	269.47	7,409.57	-3,851.77	61.18	-57.31	-7.96	12.92	646,764.08	596,176.99
7,477.00	48.28	270.26	7,430.95	-3,873.15	61.13	-79.75	-25.75	12.36	646,764.03	596,154.55
7,508.00	51.27	271.14	7,450.97	-3,893.17	61.43	-103.41	-44.30	9.89	646,764.33	596,130.89
7,540.00	55.05	272.11	7,470.15	-3,912.35	62.16	-129.00	-64.11	12.06	646,765.06	596,105.30
7,571.00	58.48	271.49	7,487.14	-3,929.34	62.97	-154.92	-84.13	11.19	646,765.87	596,079.38
7,602.00	62.08	270.08	7,502.51	-3,944.71	63.33	-181.83	-105.21	12.27	646,766.23	596,052.47
7,633.00	65.51	269.38	7,516.19	-3,958.39	63.20	-209.64	-127.30	11.25	646,766.10	596,024.66
7,664.00	67.88	268.94	7,528.46	-3,970.66	62.78	-238.11	-150.09	7.76	646,765.68	595,996.19
7,696.00	70.35	269.20	7,539.86	-3,982.06	62.30	-268.00	-174.04	7.76	646,765.20	595,966.30
7,727.00	73.16	269.12	7,549.57	-3,991.77	61.87	-297.43	-197.60	9.07	646,764.77	595,936.87
7,757.00	75.71	269.38	7,557.62	-3,999.82	61.49	-326.33	-220.70	8.54	646,764.39	595,907.97
7,789.00	80.02	269.91	7,564.34	-4,006.54	61.29	-357.60	-245.58	13.57	646,764.19	595,876.70
7,820.00	82.39	270.00	7,569.08	-4,011.28	61.27	-388.24	-269.84	7.65	646,764.17	595,846.06
7,852.00	84.50	270.52	7,572.73	-4,014.93	61.42	-420.03	-294.91	6.79	646,764.32	595,814.27
7,922.00	90.04	271.58	7,576.07	-4,018.27	62.70	-489.91	-349.44	8.06	646,765.60	595,744.39
8,015.00	91.54	270.88	7,574.79	-4,016.99	64.69	-582.87	-421.80	1.78	646,767.59	595,651.43
8,077.00	91.45	270.43	7,573.17	-4,015.37	65.40	-644.85	-470.42	0.74	646,768.30	595,589.45
8,139.00	91.36	270.43	7,571.65	-4,013.85	65.87	-706.83	-519.19	0.15	646,768.77	595,527.47
8,203.00	91.19	269.64	7,570.22	-4,012.42	65.91	-770.81	-569.81	1.26	646,768.81	595,463.49
8,265.00	91.28	269.38	7,568.89	-4,011.09	65.38	-832.79	-619.19	0.44	646,768.28	595,401.51
8,327.00	91.45	268.76	7,567.41	-4,009.61	64.37	-894.77	-668.86	1.04	646,767.27	595,339.53
8,390.00	91.80	268.85	7,565.62	-4,007.82	63.06	-957.73	-719.49	0.57	646,765.96	595,276.57
8,452.00	91.80	269.29	7,563.68	-4,005.88	62.05	-1,019.69	-769.15	0.71	646,764.95	595,214.61
8,515.00	92.07	269.20	7,561.55	-4,003.75	61.22	-1,082.65	-819.49	0.45	646,764.12	595,151.65

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 1 Fed Com
Well: #4H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference: WELL @ 3557.80usft (19' KB Correction)
MD Reference: WELL @ 3557.80usft (19' KB Correction)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000:1 Single User Db

Survey											
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)	
8,577.00	92.15	269.20	7,559.27	-4,001.47	60.36	-1,144.60	-869.05	0.13	646,763.26	595,089.70	
8,639.00	92.15	268.85	7,556.94	-3,999.14	59.30	-1,206.55	-918.73	0.56	646,762.20	595,027.75	
8,702.00	92.42	268.94	7,554.43	-3,996.63	58.09	-1,269.49	-969.28	0.45	646,760.99	594,964.81	
8,764.00	92.86	268.85	7,551.57	-3,993.77	56.89	-1,331.41	-1,019.02	0.72	646,759.79	594,902.89	
8,857.00	92.15	268.76	7,547.51	-3,989.71	54.96	-1,424.30	-1,093.73	0.77	646,757.86	594,810.00	
8,920.00	92.24	268.59	7,545.10	-3,987.30	53.50	-1,487.24	-1,144.43	0.31	646,756.40	594,747.06	
8,983.00	92.33	269.20	7,542.58	-3,984.78	52.29	-1,550.17	-1,194.99	0.98	646,755.19	594,684.13	
9,046.00	93.03	268.85	7,539.64	-3,981.84	51.22	-1,613.09	-1,245.45	1.24	646,754.12	594,621.21	
9,108.00	92.33	268.33	7,536.74	-3,978.94	49.69	-1,675.01	-1,295.38	1.41	646,752.59	594,559.29	
9,202.00	90.84	267.89	7,534.14	-3,976.34	46.59	-1,768.92	-1,371.61	1.65	646,749.49	594,465.38	
9,264.00	90.92	266.92	7,533.19	-3,975.39	43.79	-1,830.85	-1,422.34	1.57	646,746.69	594,403.45	
9,358.00	89.87	267.54	7,532.54	-3,974.74	39.24	-1,924.73	-1,499.42	1.30	646,742.14	594,309.57	
9,421.00	89.87	267.80	7,532.68	-3,974.88	36.68	-1,987.68	-1,550.81	0.41	646,739.58	594,246.62	
9,483.00	91.28	267.97	7,532.06	-3,974.26	34.39	-2,049.63	-1,601.24	2.29	646,737.29	594,184.67	
9,577.00	92.86	268.59	7,528.66	-3,970.86	31.57	-2,143.53	-1,677.28	1.81	646,734.47	594,090.77	
9,640.00	93.91	268.50	7,524.94	-3,967.14	29.98	-2,206.39	-1,728.02	1.67	646,732.88	594,027.91	
9,702.00	92.51	268.15	7,521.47	-3,963.67	28.17	-2,268.27	-1,778.10	2.33	646,731.07	593,966.03	
9,765.00	92.24	267.97	7,518.86	-3,961.06	26.04	-2,331.18	-1,829.19	0.51	646,728.94	593,903.12	
9,856.00	91.71	269.56	7,515.73	-3,957.93	24.08	-2,422.10	-1,902.36	1.84	646,726.98	593,812.20	
9,919.00	91.63	270.08	7,513.89	-3,956.09	23.88	-2,485.07	-1,952.32	0.83	646,726.78	593,749.23	
9,982.00	91.89	270.35	7,511.95	-3,954.15	24.12	-2,548.04	-2,002.01	0.59	646,727.02	593,686.26	
10,044.00	92.15	270.08	7,509.77	-3,951.97	24.35	-2,610.00	-2,050.91	0.60	646,727.25	593,624.30	
10,106.00	92.95	270.17	7,507.01	-3,949.21	24.48	-2,671.94	-2,099.85	1.30	646,727.38	593,562.36	
10,199.00	92.15	271.49	7,502.87	-3,945.07	25.83	-2,764.84	-2,172.56	1.66	646,728.73	593,469.46	
10,261.00	92.33	271.58	7,500.45	-3,942.65	27.49	-2,826.77	-2,220.56	0.32	646,730.39	593,407.53	
10,323.00	92.59	271.23	7,497.79	-3,939.99	29.01	-2,888.69	-2,268.64	0.70	646,731.91	593,345.61	
10,416.00	92.59	270.96	7,493.59	-3,935.79	30.78	-2,981.58	-2,341.08	0.29	646,733.68	593,252.72	

Company: EOG Resources, Inc.
Project: Eddy County
Site: Sand Tank 1 Fed Com
Well: #4H
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well #4H
WELL @ 3557.80usft (19' KB Correction)
WELL @ 3557.80usft (19' KB Correction)
Grid
Minimum Curvature
EDM:5000.1 Single User Db

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
10,479.00	93.21	270.70	7,490.40	-3,932.60	31.69	-3,044.49	-2,390.32	1.07	646,734.59	593,189.81
10,572.00	91.80	270.88	7,486.33	-3,928.53	32.98	-3,137.39	-2,463.06	1.53	646,735.88	593,096.91
10,634.00	91.28	270.79	7,484.67	-3,926.87	33.88	-3,199.36	-2,511.56	0.85	646,736.78	593,034.94
10,696.00	91.80	271.58	7,483.00	-3,925.20	35.16	-3,261.33	-2,559.82	1.53	646,738.06	592,972.97
10,759.00	91.71	271.75	7,481.07	-3,923.27	36.99	-3,324.27	-2,608.52	0.31	646,739.89	592,910.03
10,821.00	90.92	271.14	7,479.65	-3,921.85	38.55	-3,386.23	-2,656.61	1.61	646,741.45	592,848.07
10,915.00	92.51	271.93	7,476.84	-3,919.04	41.07	-3,480.15	-2,729.41	1.89	646,743.97	592,754.15
10,977.00	93.03	271.49	7,473.84	-3,916.04	42.92	-3,542.05	-2,777.27	1.10	646,745.82	592,692.25
11,039.00	93.74	271.58	7,470.18	-3,912.38	44.58	-3,603.92	-2,825.23	1.15	646,747.48	592,630.38
11,133.00	93.30	270.52	7,464.41	-3,906.61	46.30	-3,697.73	-2,898.42	1.22	646,749.20	592,536.57
11,195.00	93.12	270.35	7,460.94	-3,903.14	46.76	-3,759.63	-2,947.13	0.40	646,749.66	592,474.67
11,257.00	93.74	270.09	7,457.23	-3,899.43	47.00	-3,821.52	-2,995.97	1.08	646,749.90	592,412.78
11,352.00	92.77	270.88	7,451.83	-3,894.03	47.81	-3,916.36	-3,070.54	1.32	646,750.71	592,317.94
11,414.00	92.24	270.71	7,449.12	-3,891.32	48.67	-3,978.29	-3,119.04	0.90	646,751.57	592,256.01
11,477.00	92.42	270.53	7,446.56	-3,888.76	49.35	-4,041.24	-3,168.44	0.40	646,752.25	592,193.06
11,540.00	92.24	270.84	7,444.00	-3,886.20	50.10	-4,104.18	-3,217.80	0.57	646,753.00	592,130.12
11,604.00	92.33	270.64	7,441.45	-3,883.65	50.92	-4,168.12	-3,267.91	0.34	646,753.82	592,066.18
11,667.00	92.33	270.33	7,438.89	-3,881.09	51.46	-4,231.07	-3,317.40	0.49	646,754.36	592,003.23
11,728.00	92.02	270.62	7,436.57	-3,878.77	51.96	-4,292.02	-3,365.34	0.70	646,754.86	591,942.28
11,791.00	91.98	270.55	7,434.37	-3,876.57	52.61	-4,354.98	-3,414.78	0.13	646,755.51	591,879.32
11,855.00	92.15	270.25	7,432.07	-3,874.27	53.05	-4,418.94	-3,465.13	0.54	646,755.95	591,815.36
11,927.00	92.07	269.58	7,429.42	-3,871.62	52.95	-4,490.89	-3,522.14	0.94	646,755.85	591,743.41
12,005.00	92.07	269.58	7,426.60	-3,868.80	52.37	-4,568.84	-3,584.18	0.00	646,755.27	591,665.46

BHL-12005.00°MD,92.07°INC,269.58°AZI, 7426.60°TVD, -3584.18°VS, 52.37°N, -4568.84°E

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #4H
Project:	Eddy County	TVD Reference:	WELL @ 3557.80usft (19' KB Correction)
Site:	Sand Tank 1 Fed Com	MD Reference:	WELL @ 3557.80usft (19' KB Correction)
Well:	#4H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,005.00	7,426.60	52.37	-4,568.84	BHL-12005.00*MD,92.07*INC,269.58*AZI, 7426.60*TVD, -3584.18*VS, 52.37*N,

Checked By: _____	Approved By: _____	Date: _____
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