

Permit Information:

30-015-39505

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JUL 20 2011

NMOCD ARTESIA

Well Name: Parkway 23 State Com #5H

Location:

SL 930' FNL & 220' FWL, Section 23, T-19-S, R-29-E, Eddy Co., N.M.

BHL 800' FNL & 330' FEL, Section 23, T-19-S, R-29-E, Eddy Co., N.M.

Casing Program:

Casing	Setting Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Desired TOC
Surface	360'	14-3/4"	11-3/4"	42#	H40	Surface
Intermediate	3,300'	11"	8-5/8"	32#	J55	Surface
Production	11,513'	7-7/8"	5 1/2"	17#	L80 & N80	2800'

Cement Program:

Shoe Depth	Sacks	Wt. ppg	Yld Ft ³ /sx	Slurry Description
360'	500	14.8	1.35	Class 'C' + 2.00% CaCl ₂ + 0.25 lb/sk Cello Flake
3,300'	650	12.7	2.22	Lead: Class 'C' + 2.00% SMS + 10.00% Salt (10.337 lb/sk) + 0.70% R-3 + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
	200	14.8	1.33	Tail: Class 'C' + 0.60% FL-62 + 0.45% CD-32 + 0.15% SMS + 0.25% R-3 + 0.005 lb/sk Static Free
11,513'	225	10.8	3.68	Lead: 60:40:0 Class 'C' + 15.00 lb/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.60% R-21 + 8.00 lb/sk LCM-1
	600	11.8	2.38	Middle: 50:50:10 Class 'H' + 0.80% FL-52 + 0.30% ASA-301 + 0.50% SMS + 2.00% Salt (2.212 lb/sk) + 0.40% R-21 + 3.00 lb/sk LCM-1 + 0.25 lb/sk Cello Flake
	1200	14.2	1.28	Tail: 50:50:2 Class 'H' + 0.90% FL-52 + 0.70% CD-32 + 0.15% SMS + 2.00% Salt (0.957 lb/sk)

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 360'	Fresh - Gel	8.6-8.8	28-34	N/c
360' - 3,300'	Brine	10.0-10.2	28-34	N/c
3,300' - 6,512'	Fresh Water	8.4 - 8.6	28-34	N/c
6,512' - 11,513'	Cut Brine	8.8-9.6	28-34	N/c

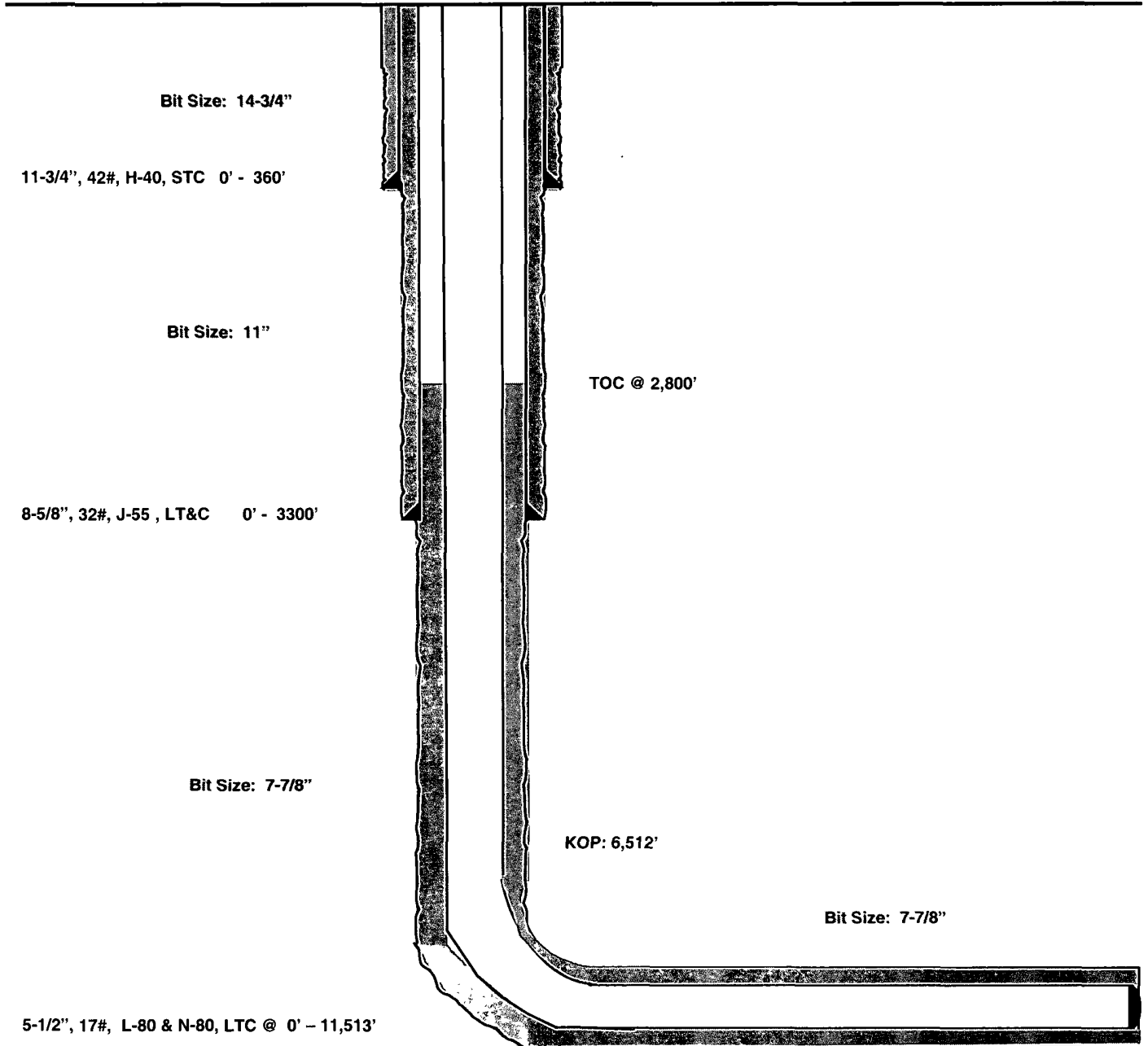
Parkway 23 State Com #5H
Turkey Track (Bone Spring) Field
Eddy County, New Mexico

930' FNL
220' FWL
Section 23
T-19-S, R-29-E

Proposed Wellbore

KB: 3,340.6'
GL: 3,310.6'

API: 30-015-



Lateral: 11,513' MD, 7,138' TVD

BH Location: 800' FNL & 330' FEL
Section 23
T-19-S, R-29-E



Project: Eddy County
Site: Parkway 23 State Com
Well: #5H
Wellbore: OH
Plan: Plan #1 (#5H/OH)

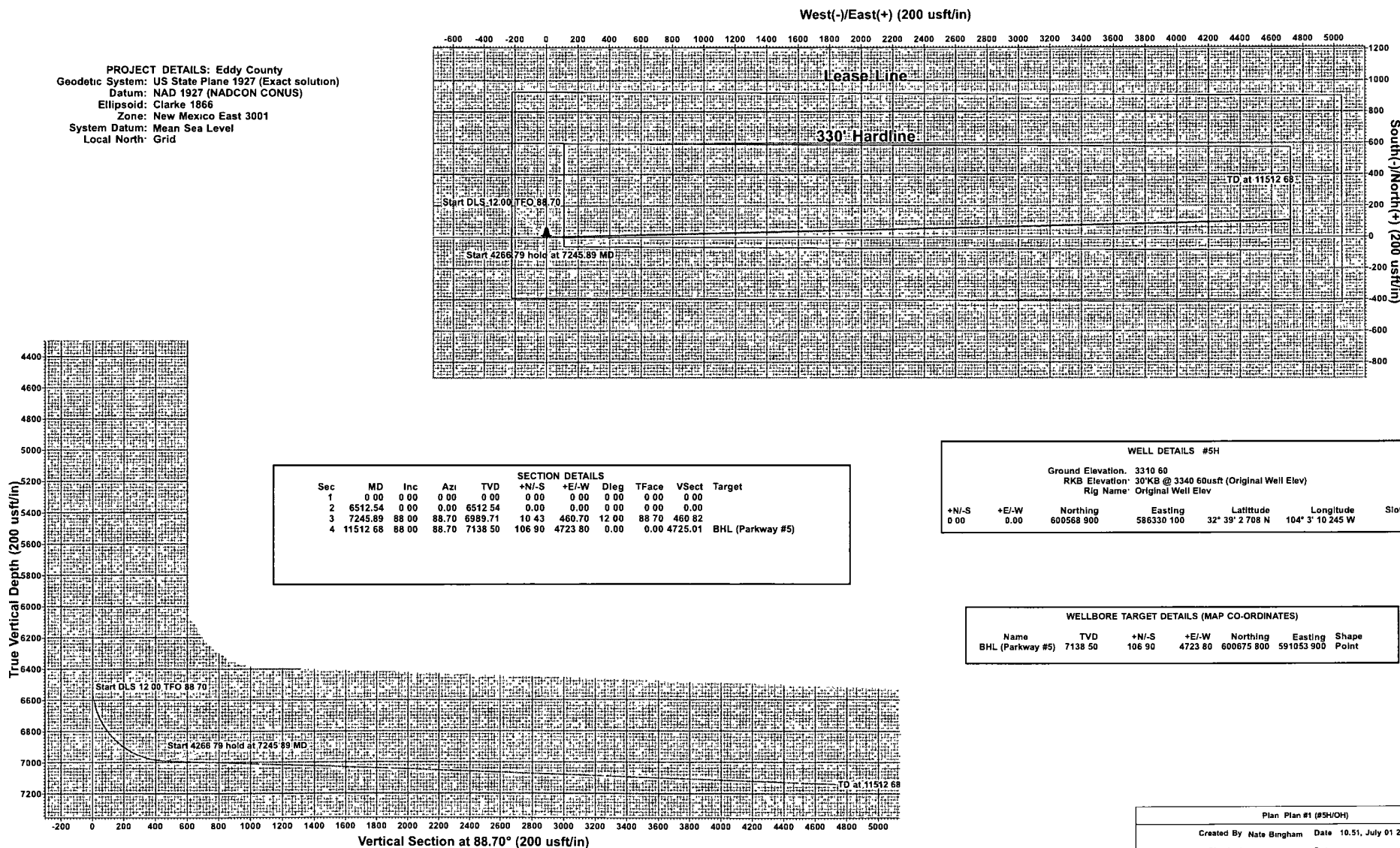


Azimuths to Grid North
True North: -0.15°
Magnetic North: 7.67°

Magnetic Field
Strength: 48853.2snT
Dip Angle: 60.52°
Date: 6/30/2011
Model: IGRF200510

PATHFINDER
A Schlumberger Company

PROJECT DETAILS: Eddy 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



SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	6512.54	0.00	0.00	6512.54	0.00	0.00	0.00	0.00	0.00
3	7245.89	88.00	88.70	6989.71	10.43	460.70	12.00	88.70	460.82
4	11512.68	88.00	88.70	7138.50	106.90	4723.80	0.00	0.00	4725.01

BHL (Parkway #5)

WELL DETAILS #5H
Ground Elevation: 3310.60
RKB Elevation: 30'KB @ 3340.60usft (Original Well Elev)
Rig Name: Original Well Elev

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Spot
0.00	0.00	600568.900	586330.100	32° 39' 2.708 N	104° 3' 10.245 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL (Parkway #5)	7138.50	106.90	4723.80	600675.800	591053.900	Point

Plan Plan #1 (#5H/OH)

Created By: Nate Bingham Date: 10.51, July 01 2011

Checked: _____ Date: _____



EOG Resources, Inc.

Eddy County

Parkway 23 State Com

#5H

OH

Plan: Plan #1

Pathfinder X&Y Report

01 July, 2011



PATHFINDER®

A Schlumberger Company

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Eddy County	TVD Reference:	30'KB @ 3340.60usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	30'KB @ 3340.60usft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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		Parkway,23 State Com						
Site Position:		Northing:	600,739.000	usft	Latitude:	32° 39' 4.392 N		
From:	Map	Easting:	586,310.400	usft	Longitude:	104° 3' 10.470 W		
Position Uncertainty:	0.00	usft	Slot Radius:	13-3/16	"	Grid Convergence:	0.15	°

Well	#5H					
Well Position	+N/-S	0.00 usft	Northing:	600,568.900 usft	Latitude:	32° 39' 2.708 N
	+E/-W	0.00 usft	Easting:	586,330.100 usft	Longitude:	104° 3' 10.245 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,310.60 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	6/30/2011	7.82	60.52	48,853

Design:		Plan #1		
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	88.70

Survey Tool Program		Date 6/30/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	11,512.23	Plan #1 (OH)	MWD	MWD - Standard

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Eddy County	TVD Reference:	30'KB @ 3340.60usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	30'KB @ 3340.60usft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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)	
0.00	0.00	0.00	0.00	-3,340.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
100.00	0.00	0.00	100.00	-3,240.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
200.00	0.00	0.00	200.00	-3,140.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
300.00	0.00	0.00	300.00	-3,040.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
400.00	0.00	0.00	400.00	-2,940.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
500.00	0.00	0.00	500.00	-2,840.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
600.00	0.00	0.00	600.00	-2,740.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
700.00	0.00	0.00	700.00	-2,640.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
800.00	0.00	0.00	800.00	-2,540.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
900.00	0.00	0.00	900.00	-2,440.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,000.00	0.00	0.00	1,000.00	-2,340.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,100.00	0.00	0.00	1,100.00	-2,240.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,200.00	0.00	0.00	1,200.00	-2,140.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,300.00	0.00	0.00	1,300.00	-2,040.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,400.00	0.00	0.00	1,400.00	-1,940.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,500.00	0.00	0.00	1,500.00	-1,840.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,600.00	0.00	0.00	1,600.00	-1,740.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,700.00	0.00	0.00	1,700.00	-1,640.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,800.00	0.00	0.00	1,800.00	-1,540.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
1,900.00	0.00	0.00	1,900.00	-1,440.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,000.00	0.00	0.00	2,000.00	-1,340.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,100.00	0.00	0.00	2,100.00	-1,240.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,200.00	0.00	0.00	2,200.00	-1,140.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,300.00	0.00	0.00	2,300.00	-1,040.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,400.00	0.00	0.00	2,400.00	-940.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,500.00	0.00	0.00	2,500.00	-840.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,600.00	0.00	0.00	2,600.00	-740.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	

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Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000.1 Single User Db

Planned Survey											
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2,700.00	0.00	0 00	2,700.00	-640.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,800.00	0.00	0 00	2,800.00	-540.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
2,900.00	0.00	0.00	2,900.00	-440.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,000.00	0.00	0 00	3,000.00	-340.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,100.00	0.00	0.00	3,100.00	-240.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,200.00	0.00	0 00	3,200.00	-140.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,300.00	0.00	0 00	3,300.00	-40.60	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,400.00	0.00	0.00	3,400.00	59.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,500.00	0.00	0 00	3,500.00	159.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,600.00	0.00	0.00	3,600.00	259.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,700.00	0.00	0 00	3,700.00	359.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,800.00	0.00	0 00	3,800.00	459.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
3,900.00	0.00	0 00	3,900.00	559.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,000.00	0.00	0.00	4,000.00	659.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,100.00	0.00	0.00	4,100.00	759.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,200.00	0.00	0.00	4,200.00	859.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,300.00	0.00	0.00	4,300.00	959.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,400.00	0.00	0.00	4,400.00	1,059.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,500.00	0.00	0 00	4,500.00	1,159.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,600.00	0.00	0.00	4,600.00	1,259.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,700.00	0.00	0.00	4,700.00	1,359.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,800.00	0.00	0 00	4,800.00	1,459.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
4,900.00	0.00	0 00	4,900.00	1,559.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,000.00	0.00	0.00	5,000.00	1,659.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,100.00	0.00	0.00	5,100.00	1,759.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,200.00	0.00	0 00	5,200.00	1,859.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,300.00	0.00	0 00	5,300.00	1,959.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	

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Project:	Eddy County	TVD Reference:	30'KB @ 3340.60usft (Original Well Elev)
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Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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)	
5,400.00	0.00	0.00	5,400.00	2,059.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,500.00	0.00	0.00	5,500.00	2,159.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,600.00	0.00	0.00	5,600.00	2,259.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,700.00	0.00	0.00	5,700.00	2,359.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,800.00	0.00	0.00	5,800.00	2,459.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
5,900.00	0.00	0.00	5,900.00	2,559.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,000.00	0.00	0.00	6,000.00	2,659.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,100.00	0.00	0.00	6,100.00	2,759.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,200.00	0.00	0.00	6,200.00	2,859.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,300.00	0.00	0.00	6,300.00	2,959.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,400.00	0.00	0.00	6,400.00	3,059.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,500.00	0.00	0.00	6,500.00	3,159.40	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,512.54	0.00	0.00	6,512.54	3,171.94	0.00	0.00	0.00	0.00	600,568.90	586,330.10	
6,525.00	1.50	88.70	6,525.00	3,184.40	0.00	0.16	0.16	12.00	600,568.90	586,330.26	
6,550.00	4.50	88.70	6,549.96	3,209.36	0.03	1.47	1.47	12.00	600,568.93	586,331.57	
6,575.00	7.50	88.70	6,574.82	3,234.22	0.09	4.08	4.08	12.00	600,568.99	586,334.18	
6,600.00	10.50	88.70	6,599.51	3,258.91	0.18	7.99	7.99	12.00	600,569.08	586,338.09	
6,625.00	13.50	88.70	6,623.96	3,283.36	0.30	13.18	13.18	12.00	600,569.20	586,343.28	
6,650.00	16.50	88.70	6,648.11	3,307.51	0.44	19.65	19.65	12.00	600,569.34	586,349.75	
6,675.00	19.50	88.70	6,671.88	3,331.28	0.62	27.37	27.37	12.00	600,569.52	586,357.47	
6,700.00	22.50	88.70	6,695.22	3,354.62	0.82	36.32	36.33	12.00	600,569.72	586,366.42	
6,725.00	25.50	88.70	6,718.06	3,377.46	1.05	46.48	46.49	12.00	600,569.95	586,376.58	
6,750.00	28.50	88.70	6,740.33	3,399.73	1.31	57.83	57.84	12.00	600,570.21	586,387.93	
6,775.00	31.50	88.70	6,761.98	3,421.38	1.59	70.32	70.34	12.00	600,570.49	586,400.42	
6,800.00	34.50	88.70	6,782.95	3,442.35	1.90	83.93	83.95	12.00	600,570.80	586,414.03	
6,825.00	37.50	88.70	6,803.17	3,462.57	2.23	98.62	98.64	12.00	600,571.13	586,428.72	
6,850.00	40.50	88.70	6,822.60	3,482.00	2.59	114.34	114.37	12.00	600,571.49	586,444.44	

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Project:	Eddy County	TVD Reference:	30'KB @ 3340.60usft (Original Well Elev)
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Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
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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)
6,875.00	43.50	88.70	6,841.18	3,500.58	2.97	131.06	131.10	12.00	600,571.87	586,461.16
6,900.00	46.50	88.70	6,858.85	3,518.25	3.37	148.73	148.77	12.00	600,572.27	586,478.83
6,925.00	49.50	88.70	6,875.58	3,534.98	3.79	167.30	167.35	12.00	600,572.69	586,497.40
6,950.00	52.50	88.70	6,891.31	3,550.71	4.23	186.72	186.77	12.00	600,573.13	586,516.82
6,975.00	55.50	88.70	6,906.01	3,565.41	4.68	206.94	206.99	12.00	600,573.58	586,537.04
7,000.00	58.50	88.70	6,919.62	3,579.02	5.16	227.90	227.96	12.00	600,574.06	586,558.00
7,025.00	61.50	88.70	6,932.13	3,591.53	5.65	249.54	249.60	12.00	600,574.55	586,579.64
7,050.00	64.50	88.70	6,943.48	3,602.88	6.15	271.81	271.87	12.00	600,575.05	586,601.91
7,075.00	67.50	88.70	6,953.64	3,613.04	6.67	294.63	294.71	12.00	600,575.57	586,624.73
7,100.00	70.50	88.70	6,962.60	3,622.00	7.20	317.96	318.05	12.00	600,576.10	586,648.06
7,125.00	73.50	88.70	6,970.33	3,629.73	7.73	341.73	341.82	12.00	600,576.63	586,671.83
7,150.00	76.50	88.70	6,976.80	3,636.20	8.28	365.87	365.96	12.00	600,577.18	586,695.97
7,175.00	79.50	88.70	6,982.00	3,641.40	8.83	390.31	390.41	12.00	600,577.73	586,720.41
7,200.00	82.50	88.70	6,985.91	3,645.31	9.39	415.00	415.10	12.00	600,578.29	586,745.10
7,225.00	85.50	88.70	6,988.53	3,647.93	9.95	439.85	439.96	12.00	600,578.85	586,769.95
7,245.89	88.00	88.70	6,989.71	3,649.11	10.43	460.70	460.82	12.00	600,579.33	586,790.80
7,300.00	88.00	88.70	6,991.60	3,651.00	11.65	514.76	514.90	0.00	600,580.55	586,844.86
7,400.00	88.00	88.70	6,995.09	3,654.49	13.91	614.68	614.83	0.00	600,582.81	586,944.78
7,500.00	88.00	88.70	6,998.58	3,657.98	16.17	714.59	714.77	0.00	600,585.07	587,044.69
7,600.00	88.00	88.70	7,002.06	3,661.46	18.43	814.50	814.71	0.00	600,587.33	587,144.60
7,700.00	88.00	88.70	7,005.55	3,664.95	20.69	914.42	914.65	0.00	600,589.59	587,244.52
7,800.00	88.00	88.70	7,009.04	3,668.44	22.95	1,014.33	1,014.59	0.00	600,591.85	587,344.43
7,900.00	88.00	88.70	7,012.52	3,671.92	25.22	1,114.25	1,114.53	0.00	600,594.12	587,444.35
8,000.00	88.00	88.70	7,016.01	3,675.41	27.48	1,214.16	1,214.47	0.00	600,596.38	587,544.26
8,100.00	88.00	88.70	7,019.50	3,678.90	29.74	1,314.07	1,314.41	0.00	600,598.64	587,644.17
8,200.00	88.00	88.70	7,022.98	3,682.38	32.00	1,413.99	1,414.35	0.00	600,600.90	587,744.09
8,300.00	88.00	88.70	7,026.47	3,685.87	34.26	1,513.90	1,514.29	0.00	600,603.16	587,844.00

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Eddy County	TVD Reference:	30'KB @ 3340 60usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	30'KB @ 3340 60usft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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)	
8,400.00	88.00	88.70	7,029.96	3,689.36	36.52	1,613.81	1,614.23	0.00	600,605.42	587,943.91	
8,500.00	88.00	88.70	7,033.45	3,692.85	38.78	1,713.73	1,714.17	0.00	600,607.68	588,043.83	
8,600.00	88.00	88.70	7,036.93	3,696.33	41.04	1,813.64	1,814.10	0.00	600,609.94	588,143.74	
8,700.00	88.00	88.70	7,040.42	3,699.82	43.30	1,913.55	1,914.04	0.00	600,612.20	588,243.65	
8,800.00	88.00	88.70	7,043.91	3,703.31	45.56	2,013.47	2,013.98	0.00	600,614.46	588,343.57	
8,900.00	88.00	88.70	7,047.39	3,706.79	47.83	2,113.38	2,113.92	0.00	600,616.73	588,443.48	
9,000.00	88.00	88.70	7,050.88	3,710.28	50.09	2,213.29	2,213.86	0.00	600,618.99	588,543.39	
9,100.00	88.00	88.70	7,054.37	3,713.77	52.35	2,313.21	2,313.80	0.00	600,621.25	588,643.31	
9,200.00	88.00	88.70	7,057.86	3,717.26	54.61	2,413.12	2,413.74	0.00	600,623.51	588,743.22	
9,300.00	88.00	88.70	7,061.34	3,720.74	56.87	2,513.04	2,513.68	0.00	600,625.77	588,843.14	
9,400.00	88.00	88.70	7,064.83	3,724.23	59.13	2,612.95	2,613.62	0.00	600,628.03	588,943.05	
9,500.00	88.00	88.70	7,068.32	3,727.72	61.39	2,712.86	2,713.56	0.00	600,630.29	589,042.96	
9,600.00	88.00	88.70	7,071.80	3,731.20	63.65	2,812.78	2,813.50	0.00	600,632.55	589,142.88	
9,700.00	88.00	88.70	7,075.29	3,734.69	65.91	2,912.69	2,913.44	0.00	600,634.81	589,242.79	
9,800.00	88.00	88.70	7,078.78	3,738.18	68.18	3,012.60	3,013.37	0.00	600,637.08	589,342.70	
9,900.00	88.00	88.70	7,082.26	3,741.66	70.44	3,112.52	3,113.31	0.00	600,639.34	589,442.62	
10,000.00	88.00	88.70	7,085.75	3,745.15	72.70	3,212.43	3,213.25	0.00	600,641.60	589,542.53	
10,100.00	88.00	88.70	7,089.24	3,748.64	74.96	3,312.34	3,313.19	0.00	600,643.86	589,642.44	
10,200.00	88.00	88.70	7,092.73	3,752.13	77.22	3,412.26	3,413.13	0.00	600,646.12	589,742.36	
10,300.00	88.00	88.70	7,096.21	3,755.61	79.48	3,512.17	3,513.07	0.00	600,648.38	589,842.27	
10,400.00	88.00	88.70	7,099.70	3,759.10	81.74	3,612.09	3,613.01	0.00	600,650.64	589,942.19	
10,500.00	88.00	88.70	7,103.19	3,762.59	84.00	3,712.00	3,712.95	0.00	600,652.90	590,042.10	
10,600.00	88.00	88.70	7,106.67	3,766.07	86.26	3,811.91	3,812.89	0.00	600,655.16	590,142.01	
10,700.00	88.00	88.70	7,110.16	3,769.56	88.52	3,911.83	3,912.83	0.00	600,657.42	590,241.93	
10,800.00	88.00	88.70	7,113.65	3,773.05	90.79	4,011.74	4,012.77	0.00	600,659.69	590,341.84	
10,900.00	88.00	88.70	7,117.14	3,776.54	93.05	4,111.65	4,112.71	0.00	600,661.95	590,441.75	
11,000.00	88.00	88.70	7,120.62	3,780.02	95.31	4,211.57	4,212.65	0.00	600,664.21	590,541.67	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #5H
Project:	Eddy County	TVD Reference:	30'KB @ 3340.60usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	30'KB @ 3340.60usft (Original Well Elev)
Well:	#5H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	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)
11,100.00	88.00	88.70	7,124.11	3,783.51	97.57	4,311.48	4,312.58	0.00	600,666.47	590,641.58
11,200.00	88.00	88.70	7,127.60	3,787.00	99.83	4,411.39	4,412.52	0.00	600,668.73	590,741.49
11,300.00	88.00	88.70	7,131.08	3,790.48	102.09	4,511.31	4,512.46	0.00	600,670.99	590,841.41
11,400.00	88.00	88.70	7,134.57	3,793.97	104.35	4,611.22	4,612.40	0.00	600,673.25	590,941.32
11,500.00	88.00	88.70	7,138.06	3,797.46	106.61	4,711.13	4,712.34	0.00	600,675.51	591,041.23
11,512.68	88.00	88.70	7,138.50	3,797.90	106.90	4,723.80	4,725.01	0.00	600,675.80	591,053.90
BHL (Parkway #5)										

Checked By: _____	Approved By: _____	Date: _____
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