

Permit Information:

30-015-39507

RECEIVED

JUL 20 2011

NMOCD ARTESIA

Well Name: Parkway 23 State Com #7H

Location:

SL 520' FSL & 200' FWL, Section 23, T-19-S, R-29-E, Eddy Co., N.M.

BHL 520' FSL & 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	11,577'	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
11,577'	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' - 6,542'	Fresh Water	8.4 - 8.6	28-34	N/c
6,542' - 11,577'	Cut Brine	8.8-9.6	28-34	N/c

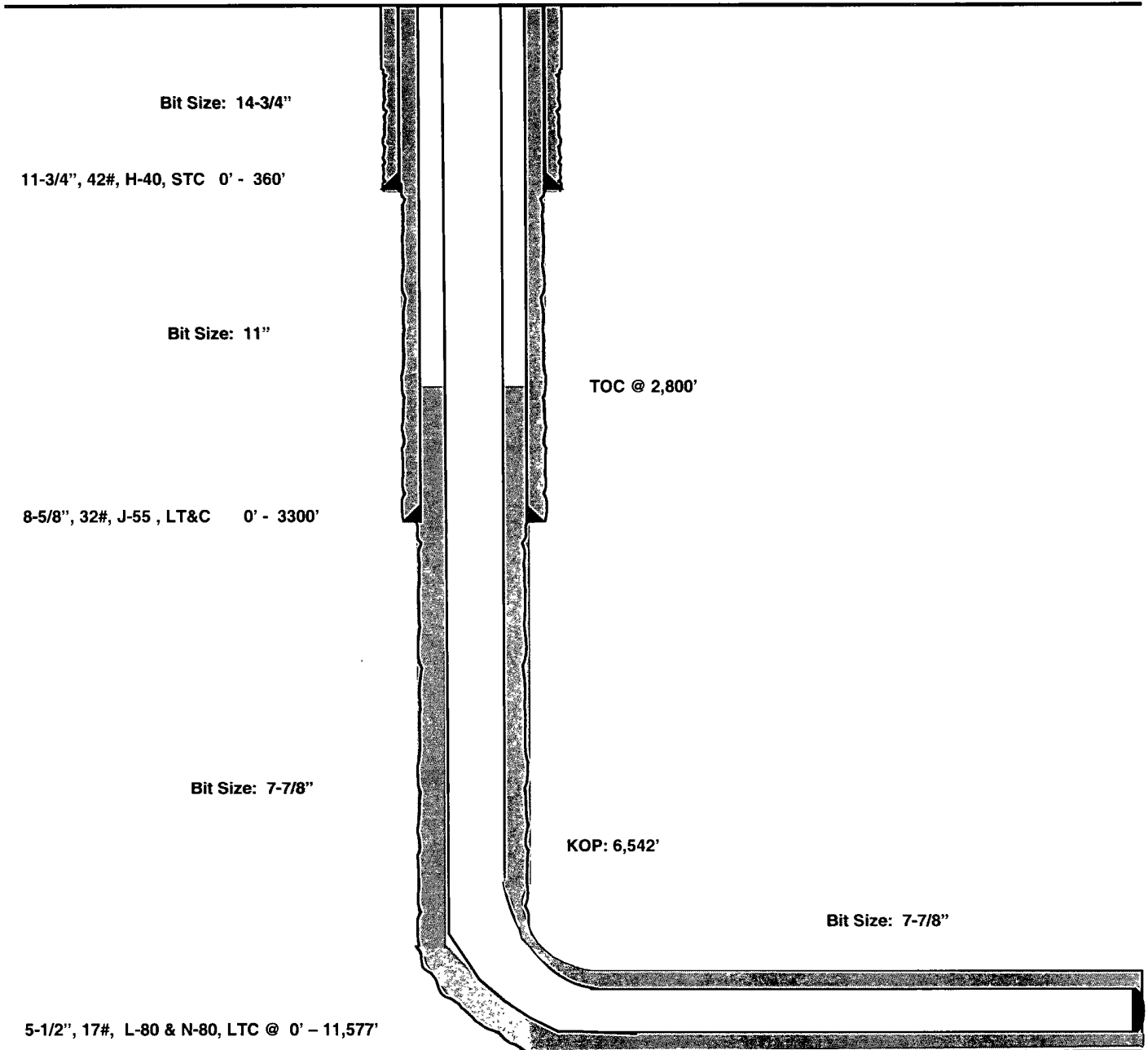
**Parkway 23 State Com #7H
Turkey Track (Bone Spring) Field
Eddy County, New Mexico**

**520' FSL
200' FWL
Section 23
T-19-S, R-29-E**

Proposed Wellbore

**KB: 3,309.5'
GL: 3,279.5'**

API: 30-015-



Lateral: 11,577' MD, 7,170' TVD

**BH Location: 520' FSL & 330' FEL
Section 23
T-19-S, R-29-E**



Project: Eddy County
Site: Parkway 23 State Com
Well: #7H
Wellbore: OH
Plan: Plan #1 (#7H/OH)

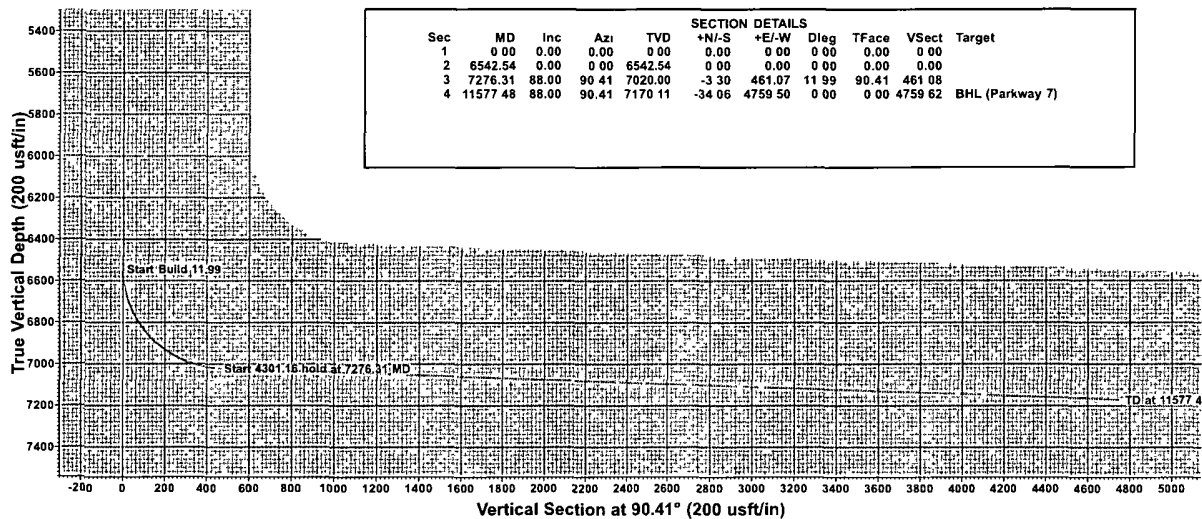
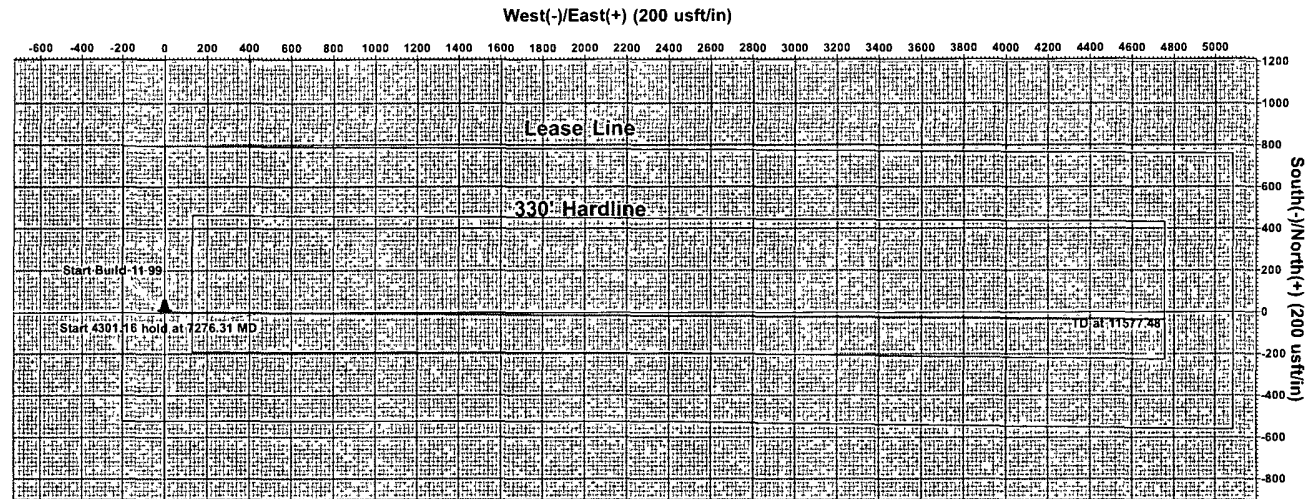


Azimuths to Grid North
True North: -0.15°
Magnetic North: 7.67°

Magnetic Field
Strength: 48847.1snT
Dip Angle: 60.51°
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	VFace
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	6542.54	0.00	0.00	6542.54	0.00	0.00	0.00	0.00	0.00
3	7276.31	88.00	90.41	7020.00	-3.30	461.07	11.99	90.41	461.08
4	11577.48	88.00	90.41	7170.11	-34.06	4759.50	0.00	0.00	4759.62

BHL (Parkway 7)

WELL DETAILS #7H						
Ground Elevation		3279.50				
RKB Elevation		KB=30 @ 3309.50usft (Original Well Elev)				
Rig Name		Original Well Elev				
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	596747.500	586302.000	32° 38' 24.894 N	104° 3' 10.692 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL (Parkway 7)	7170.00	-33.80	4759.50	596713.700	591061.500	Point

Plan: Plan #1 (#7H/OH)	
Created By: Nate Bingham	Date: 12/31, July 01 2011
Checked: _____	Date: _____



EOG Resources, Inc.

Eddy County

Parkway 23 State Com

#7H

OH

Plan: Plan #1

Pathfinder X&Y Report

01 July, 2011



PATHFINDER®

A Schlumberger Company

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County	TVD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Well:	#7H	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)
Geo Datum:	NAD 1927 (NADCON CONUS)
Map Zone:	New Mexico East 3001
System Datum:	Mean Sea Level

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	#7H					
Well Position	+N/-S	0.00 usft	Northing:	596,747 500 usft	Latitude:	32° 38' 24.894 N
	+E/-W	0.00 usft	Easting:	586,302 000 usft	Longitude:	104° 3' 10.692 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,279.50 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	6/30/2011	7.82	60.51	48,847

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	90 41

Survey Tool Program:		Date 7/1/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	11,577.48	Plan #1 (OH)	MWD	MWD - Standard

Company:	EOG Resources, Inc	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County	TVD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Well:	#7H	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	-3,309.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
100.00	0.00	0.00	100.00	-3,209.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
200.00	0.00	0.00	200.00	-3,109.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
300.00	0.00	0.00	300.00	-3,009.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
400.00	0.00	0.00	400.00	-2,909.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
500.00	0.00	0.00	500.00	-2,809.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
600.00	0.00	0.00	600.00	-2,709.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
700.00	0.00	0.00	700.00	-2,609.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
800.00	0.00	0.00	800.00	-2,509.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
900.00	0.00	0.00	900.00	-2,409.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,000.00	0.00	0.00	1,000.00	-2,309.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,100.00	0.00	0.00	1,100.00	-2,209.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,200.00	0.00	0.00	1,200.00	-2,109.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,300.00	0.00	0.00	1,300.00	-2,009.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,400.00	0.00	0.00	1,400.00	-1,909.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,500.00	0.00	0.00	1,500.00	-1,809.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,600.00	0.00	0.00	1,600.00	-1,709.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,700.00	0.00	0.00	1,700.00	-1,609.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,800.00	0.00	0.00	1,800.00	-1,509.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
1,900.00	0.00	0.00	1,900.00	-1,409.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,000.00	0.00	0.00	2,000.00	-1,309.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,100.00	0.00	0.00	2,100.00	-1,209.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,200.00	0.00	0.00	2,200.00	-1,109.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,300.00	0.00	0.00	2,300.00	-1,009.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,400.00	0.00	0.00	2,400.00	-909.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,500.00	0.00	0.00	2,500.00	-809.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,600.00	0.00	0.00	2,600.00	-709.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	

Company:	EOG Resources, Inc	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County	TVD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
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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)	
2,700.00	0.00	0.00	2,700.00	-609.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,800.00	0.00	0.00	2,800.00	-509.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
2,900.00	0.00	0.00	2,900.00	-409.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,000.00	0.00	0.00	3,000.00	-309.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,100.00	0.00	0.00	3,100.00	-209.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,200.00	0.00	0.00	3,200.00	-109.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,300.00	0.00	0.00	3,300.00	-9.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,400.00	0.00	0.00	3,400.00	90.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,500.00	0.00	0.00	3,500.00	190.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,600.00	0.00	0.00	3,600.00	290.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,700.00	0.00	0.00	3,700.00	390.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,800.00	0.00	0.00	3,800.00	490.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
3,900.00	0.00	0.00	3,900.00	590.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,000.00	0.00	0.00	4,000.00	690.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,100.00	0.00	0.00	4,100.00	790.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,200.00	0.00	0.00	4,200.00	890.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,300.00	0.00	0.00	4,300.00	990.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,400.00	0.00	0.00	4,400.00	1,090.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,500.00	0.00	0.00	4,500.00	1,190.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,600.00	0.00	0.00	4,600.00	1,290.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,700.00	0.00	0.00	4,700.00	1,390.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,800.00	0.00	0.00	4,800.00	1,490.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
4,900.00	0.00	0.00	4,900.00	1,590.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,000.00	0.00	0.00	5,000.00	1,690.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,100.00	0.00	0.00	5,100.00	1,790.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,200.00	0.00	0.00	5,200.00	1,890.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,300.00	0.00	0.00	5,300.00	1,990.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	

Company:	EOG Resources, Inc	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County	TVD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Well:	#7H	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	2,090.50	0.00	0.00	0 00	0.00	596,747.50	586,302.00	
5,500.00	0.00	0.00	5,500.00	2,190.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,600.00	0.00	0.00	5,600.00	2,290.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,700.00	0.00	0.00	5,700.00	2,390.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,800.00	0.00	0 00	5,800.00	2,490.50	0.00	0.00	0.00	0.00	596,747.50	586,302.00	
5,900.00	0.00	0.00	5,900.00	2,590.50	0 00	0.00	0.00	0 00	596,747.50	586,302.00	
6,000.00	0 00	0.00	6,000.00	2,690.50	0 00	0.00	0.00	0 00	596,747.50	586,302.00	
6,100.00	0.00	0.00	6,100.00	2,790.50	0 00	0 00	0 00	0.00	596,747.50	586,302.00	
6,200.00	0 00	0.00	6,200.00	2,890.50	0.00	0.00	0 00	0 00	596,747.50	586,302.00	
6,300.00	0 00	0 00	6,300.00	2,990.50	0.00	0 00	0 00	0 00	596,747.50	586,302.00	
6,400.00	0.00	0.00	6,400.00	3,090.50	0 00	0.00	0.00	0.00	596,747.50	586,302.00	
6,500.00	0.00	0.00	6,500.00	3,190.50	0 00	0 00	0.00	0.00	596,747.50	586,302.00	
6,542.54	0.00	0.00	6,542.54	3,233.04	0 00	0.00	0.00	0.00	596,747.50	586,302.00	
6,550.00	0.89	90.41	6,550.00	3,240.50	0.00	0.06	0.06	11.99	596,747.50	586,302.06	
6,575.00	3.89	90.41	6,574.98	3,265.48	-0.01	1 10	1.10	11.99	596,747.49	586,303.10	
6,600.00	6.89	90.41	6,599.86	3,290.36	-0.02	3 45	3.45	11.99	596,747.48	586,305.45	
6,625.00	9.89	90 41	6,624.59	3,315.09	-0.05	7 10	7 10	11.99	596,747.45	586,309 10	
6,650.00	12.89	90 41	6,649.10	3,339 60	-0.09	12 03	12 03	11.99	596,747.41	586,314.03	
6,675.00	15.89	90.41	6,673 31	3,363 81	-0 13	18.24	18 25	11.99	596,747 37	586,320.24	
6,700.00	18.88	90 41	6,697.16	3,387 66	-0 18	25 71	25.71	11.99	596,747.32	586,327.71	
6,725.00	21.88	90 41	6,720.60	3,411.10	-0.25	34.42	34.42	11.99	596,747 25	586,336 42	
6,750.00	24.88	90.41	6,743.54	3,434 04	-0.32	44.34	44 34	11.99	596,747 18	586,346.34	
6,775.00	27.88	90.41	6,765.94	3,456.44	-0 40	55.45	55.45	11.99	596,747 10	586,357.45	
6,800.00	30.88	90.41	6,787 72	3,478.22	-0 48	67.71	67.71	11.99	596,747.02	586,369.71	
6,825.00	33.87	90 41	6,808 83	3,499.33	-0.58	81.09	81.10	11.99	596,746.92	586,383.09	
6,850.00	36.87	90 41	6,829.21	3,519.71	-0.68	95.56	95.57	11.99	596,746.82	586,397.56	
6,875.00	39.87	90.41	6,848.81	3,539.31	-0.79	111 08	111.08	11.99	596,746.71	586,413.08	

Company:	EOG-Resources, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County	TVD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Well:	#7H	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)	
6,900.00	42.87	90.41	6,867.57	3,558.07	-0.91	127.60	127.60	11.99	596,746.59	586,429.60	
6,925.00	45.87	90.41	6,885.44	3,575.94	-1.04	145.08	145.08	11.99	596,746.46	586,447.08	
6,950.00	48.87	90.41	6,902.37	3,592.87	-1.17	163.47	163.48	11.99	596,746.33	586,465.47	
6,975.00	51.86	90.41	6,918.31	3,608.81	-1.31	182.72	182.73	11.99	596,746.19	586,484.72	
7,000.00	54.86	90.41	6,933.23	3,623.73	-1.45	202.78	202.78	11.99	596,746.05	586,504.78	
7,025.00	57.86	90.41	6,947.08	3,637.58	-1.60	223.59	223.60	11.99	596,745.90	586,525.59	
7,050.00	60.86	90.41	6,959.82	3,650.32	-1.75	245.10	245.10	11.99	596,745.75	586,547.10	
7,075.00	63.86	90.41	6,971.42	3,661.92	-1.91	267.24	267.25	11.99	596,745.59	586,569.24	
7,100.00	66.86	90.41	6,981.84	3,672.34	-2.07	289.96	289.97	11.99	596,745.43	586,591.96	
7,125.00	69.85	90.41	6,991.06	3,681.56	-2.24	313.19	313.20	11.99	596,745.26	586,615.19	
7,150.00	72.85	90.41	6,999.05	3,689.55	-2.41	336.88	336.89	11.99	596,745.09	586,638.88	
7,175.00	75.85	90.41	7,005.80	3,696.30	-2.58	360.95	360.96	11.99	596,744.92	586,662.95	
7,200.00	78.85	90.41	7,011.27	3,701.77	-2.76	385.34	385.35	11.99	596,744.74	586,687.34	
7,225.00	81.85	90.41	7,015.46	3,705.96	-2.93	409.98	409.99	11.99	596,744.57	586,711.98	
7,250.00	84.84	90.41	7,018.36	3,708.86	-3.11	434.81	434.82	11.99	596,744.39	586,736.81	
7,276.31	88.00	90.41	7,020.00	3,710.50	-3.30	461.07	461.08	11.99	596,744.20	586,763.07	
7,300.00	88.00	90.41	7,020.83	3,711.33	-3.47	484.74	484.75	0.00	596,744.03	586,786.74	
7,400.00	88.00	90.41	7,024.32	3,714.82	-4.18	584.67	584.69	0.00	596,743.32	586,886.67	
7,500.00	88.00	90.41	7,027.81	3,718.31	-4.90	684.61	684.63	0.00	596,742.60	586,986.61	
7,600.00	88.00	90.41	7,031.30	3,721.80	-5.61	784.55	784.57	0.00	596,741.89	587,086.55	
7,700.00	88.00	90.41	7,034.79	3,725.29	-6.33	884.48	884.51	0.00	596,741.17	587,186.48	
7,800.00	88.00	90.41	7,038.28	3,728.78	-7.04	984.42	984.45	0.00	596,740.46	587,286.42	
7,900.00	88.00	90.41	7,041.77	3,732.27	-7.76	1,084.36	1,084.38	0.00	596,739.74	587,386.36	
8,000.00	88.00	90.41	7,045.26	3,735.76	-8.47	1,184.29	1,184.32	0.00	596,739.03	587,486.29	
8,100.00	88.00	90.41	7,048.75	3,739.25	-9.19	1,284.23	1,284.26	0.00	596,738.31	587,586.23	
8,200.00	88.00	90.41	7,052.24	3,742.74	-9.91	1,384.17	1,384.20	0.00	596,737.59	587,686.17	
8,300.00	88.00	90.41	7,055.73	3,746.23	-10.62	1,484.10	1,484.14	0.00	596,736.88	587,786.10	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County	TVD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	KB=30 @ 3309 50usft (Original Well Elev)
Well:	#7H	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	90.41	7,059.22	3,749.72	-11.34	1,584.04	1,584.08	0.00	596,736.16	587,886.04	
8,500.00	88.00	90.41	7,062.71	3,753.21	-12.05	1,683.98	1,684.02	0.00	596,735.45	587,985.98	
8,600.00	88.00	90.41	7,066.20	3,756.70	-12.77	1,783.91	1,783.96	0.00	596,734.73	588,085.91	
8,700.00	88.00	90.41	7,069.69	3,760.19	-13.48	1,883.85	1,883.90	0.00	596,734.02	588,185.85	
8,800.00	88.00	90.41	7,073.18	3,763.68	-14.20	1,983.79	1,983.84	0.00	596,733.30	588,285.79	
8,900.00	88.00	90.41	7,076.67	3,767.17	-14.91	2,083.72	2,083.78	0.00	596,732.59	588,385.72	
9,000.00	88.00	90.41	7,080.16	3,770.66	-15.63	2,183.66	2,183.71	0.00	596,731.87	588,485.66	
9,100.00	88.00	90.41	7,083.65	3,774.15	-16.34	2,283.60	2,283.65	0.00	596,731.16	588,585.60	
9,200.00	88.00	90.41	7,087.14	3,777.64	-17.06	2,383.53	2,383.59	0.00	596,730.44	588,685.53	
9,300.00	88.00	90.41	7,090.63	3,781.13	-17.77	2,483.47	2,483.53	0.00	596,729.73	588,785.47	
9,400.00	88.00	90.41	7,094.12	3,784.62	-18.49	2,583.41	2,583.47	0.00	596,729.01	588,885.41	
9,500.00	88.00	90.41	7,097.61	3,788.11	-19.20	2,683.34	2,683.41	0.00	596,728.30	588,985.34	
9,600.00	88.00	90.41	7,101.10	3,791.60	-19.92	2,783.28	2,783.35	0.00	596,727.58	589,085.28	
9,700.00	88.00	90.41	7,104.59	3,795.09	-20.63	2,883.21	2,883.29	0.00	596,726.87	589,185.21	
9,800.00	88.00	90.41	7,108.08	3,798.58	-21.35	2,983.15	2,983.23	0.00	596,726.15	589,285.15	
9,900.00	88.00	90.41	7,111.57	3,802.07	-22.06	3,083.09	3,083.17	0.00	596,725.44	589,385.09	
10,000.00	88.00	90.41	7,115.06	3,805.56	-22.78	3,183.02	3,183.11	0.00	596,724.72	589,485.02	
10,100.00	88.00	90.41	7,118.55	3,809.05	-23.49	3,282.96	3,283.04	0.00	596,724.01	589,584.96	
10,200.00	88.00	90.41	7,122.04	3,812.54	-24.21	3,382.90	3,382.98	0.00	596,723.29	589,684.90	
10,300.00	88.00	90.41	7,125.53	3,816.03	-24.92	3,482.83	3,482.92	0.00	596,722.58	589,784.83	
10,400.00	88.00	90.41	7,129.02	3,819.52	-25.64	3,582.77	3,582.86	0.00	596,721.86	589,884.77	
10,500.00	88.00	90.41	7,132.51	3,823.01	-26.35	3,682.71	3,682.80	0.00	596,721.15	589,984.71	
10,600.00	88.00	90.41	7,136.00	3,826.50	-27.07	3,782.64	3,782.74	0.00	596,720.43	590,084.64	
10,700.00	88.00	90.41	7,139.48	3,829.98	-27.78	3,882.58	3,882.68	0.00	596,719.72	590,184.58	
10,800.00	88.00	90.41	7,142.97	3,833.47	-28.50	3,982.52	3,982.62	0.00	596,719.00	590,284.52	
10,900.00	88.00	90.41	7,146.46	3,836.96	-29.21	4,082.45	4,082.56	0.00	596,718.29	590,384.45	
11,000.00	88.00	90.41	7,149.95	3,840.45	-29.93	4,182.39	4,182.50	0.00	596,717.57	590,484.39	

Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #7H
Project:	Eddy County	TVD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Site:	Parkway 23 State Com	MD Reference:	KB=30 @ 3309.50usft (Original Well Elev)
Well:	#7H	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	90.41	7,153.44	3,843.94	-30.64	4,282.33	4,282.44	0.00	596,716.86	590,584.3
11,200.00	88.00	90.41	7,156.93	3,847.43	-31.36	4,382.26	4,382.37	0.00	596,716.14	590,684.2
11,300.00	88.00	90.41	7,160.42	3,850.92	-32.07	4,482.20	4,482.31	0.00	596,715.43	590,784.2
11,400.00	88.00	90.41	7,163.91	3,854.41	-32.79	4,582.14	4,582.25	0.00	596,714.71	590,884.1
11,500.00	88.00	90.41	7,167.40	3,857.90	-33.50	4,682.07	4,682.19	0.00	596,714.00	590,984.0
11,577.47	88.00	90.41	7,170.11	3,860.61	-34.06	4,759.49	4,759.62	0.00	596,713.44	591,061.4
BHL (Parkway 7)										

Checked By: _____	Approved By: _____	Date: _____
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