

Revised Permit Information 7/25/18:

Well Name: Funky Monks 8 Fed Com No. 601H

Location:

SL: 2408' FSL & 330' FWL, Section 8, T-23-S, R-35-E, Lea Co., N.M.

BHL: 100' FSL & 330' FWL, Section 17, T-23-S, R-35-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 1,705'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0 – 4,000'	9.625"	40#	J-55	LTC	1.125	1.25	1.60
12.25"	4,000' – 5,800'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-18,856'	5.5"	20#	HCP-110	BTC	1.125	1.25	1.60

Variance is requested to wave any centralizer requirements for the 5-1/2" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Mix Water Gal/sk	Slurry Description
13-3/8" 1,705'	1075	13.5	1.74	9.17	Class C + 4% Gel + 2% CaCl ₂ + 0.25 pps Celloflake (TOC @ Surface)
	385	14.8	1.34	6.35	Class C + 2.0% CaCl ₂
9-5/8" 5,800' DV Tool w/ ECP @ 4,000'	235	12.7	1.90	9.96	Stage 1 Lead: 35:65 Poz:Class C + 3.0% Salt + 6.0% Gel + 0.4% CPT-20 + 0.5% CPT-45 (TOC @ 4,000')
	200	14.8	1.33	6.32	Stage 1 Tail: Class C + 0.2% CPT-19
	785	12.7	1.90	9.96	Stage 2 Lead: 35:65 Poz:Class C + 3.0% Salt + 6.0% Gel + 0.5% CPT-45 + 0.2% CPT-20 (TOC @ Surface)
	100	14.8	1.33	6.32	Stage 2 Tail: Class C + 0.2% CPT-19
5-1/2" 18,856'	220	11.0	3.21	19.24	50:50 Poz:H + 5.0% Salt + 3.0% CPT-45 + 0.4% CPT-503P + 1.0% CPT-19 + 5.0% Gypsum + 0.15% CPT-20 + 0.15% Citric Acid (TOC @ 5,300')
	850	14.4	1.20	4.81	50:50 Poz:H + 0.25% CPT-503P + 0.8% CPT-16A + 0.2% CPT-35 + 0.4% CPT-39 + 0.25% CPT-20

Mud Program:

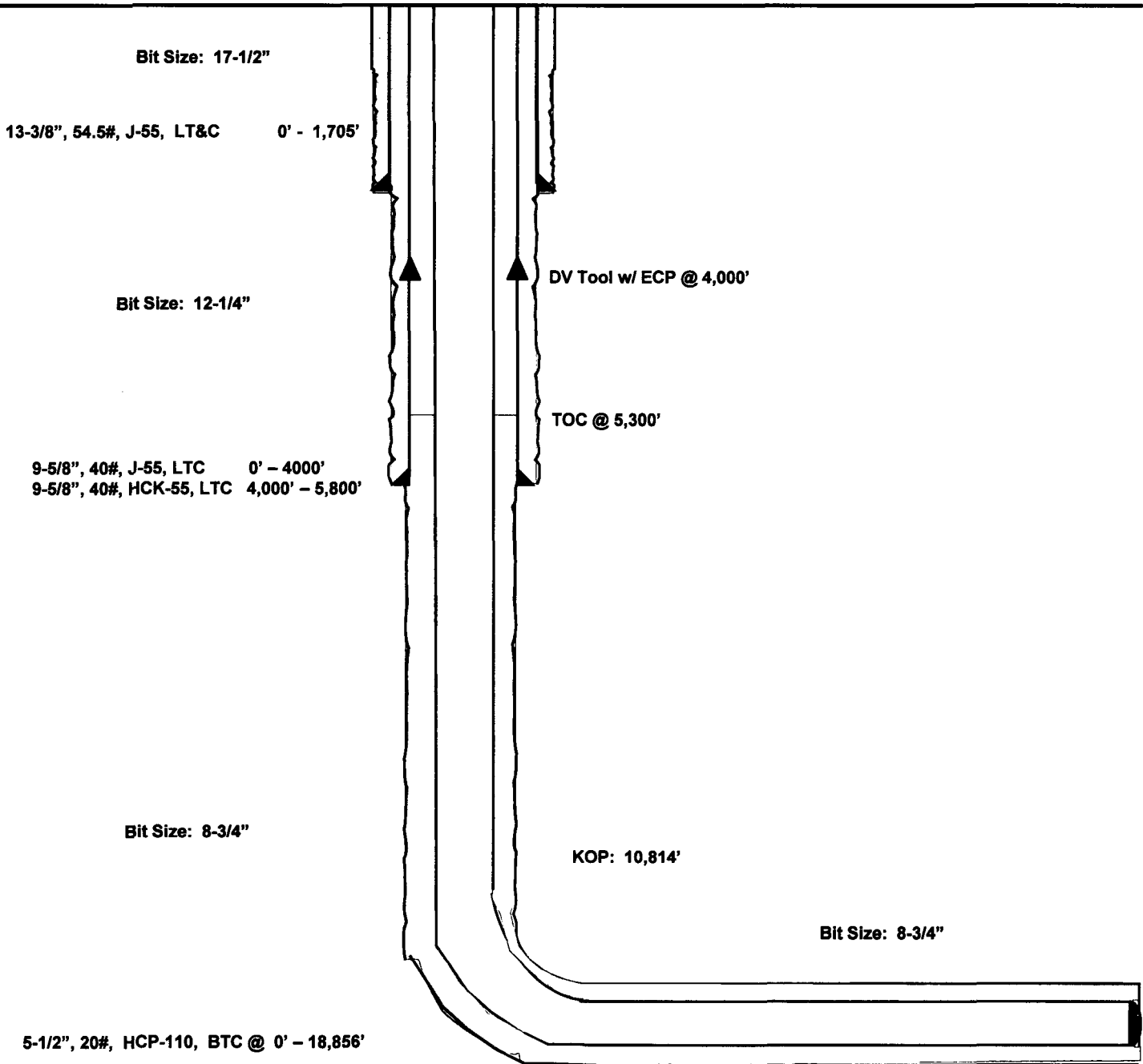
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,705'	Fresh - Gel	8.6-8.8	28-34	N/c
1,705' – 5,800'	Fresh-Gel	8.6-8.8	28-34	N/c
5,800' – 18,856' Lateral	Oil Base	8.8-9.0	58-68	N/c - 6

Funky Monks 8 Fed Com #601H

2408' FSL
330' FWL
Section 8
T-23-S, R-35-E

Lea County, New Mexico
Proposed Wellbore
Revised 7/25/18
API: 30-025-44837

KB: 3,388'
GL: 3,363'



Lateral: 18,856' MD, 11,285' TVD
Upper Most Perf:
2541' FSL & 330' FWL Sec. 8
Lower Most Perf:
100' FSL & 330' FWL Sec. 17
BH Location: 100' FSL & 330' FWL
Section 17
T-23-S, R-35-E

HOBBS OCD
AUG 06 2018
RECEIVED



Lea County, NM (NAD 83 NME)
Funky Monks 8 Fed Com #601H
Plan #0.2

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #601H

KB= 25' @ 3388.0usft 3383.0
Northing 480889.00 Easting 830839.00 Latitude 32° 19' 6.932 N Longitude 103° 23' 49.764 W



SECTION DETAILS

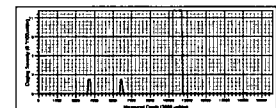
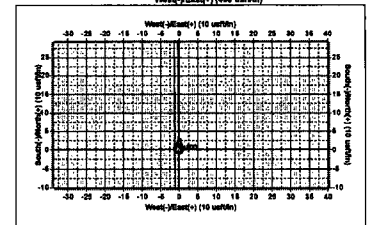
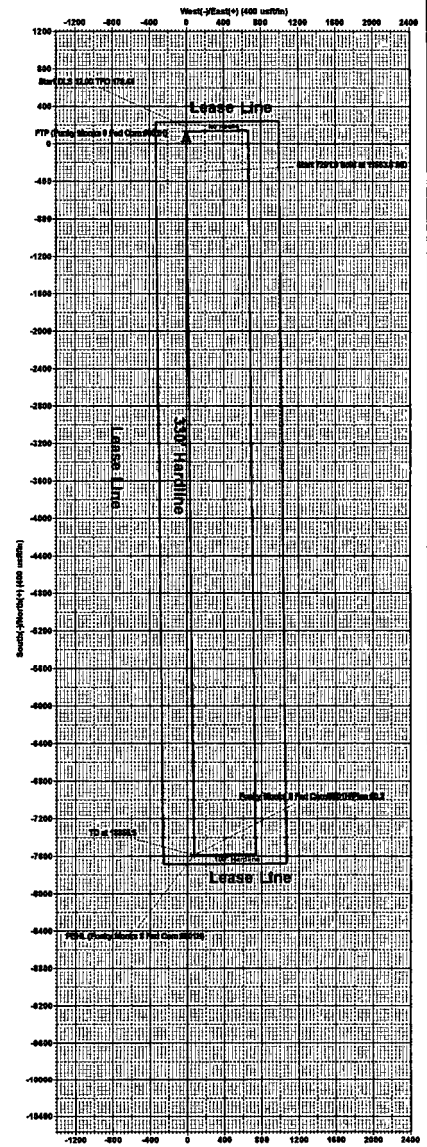
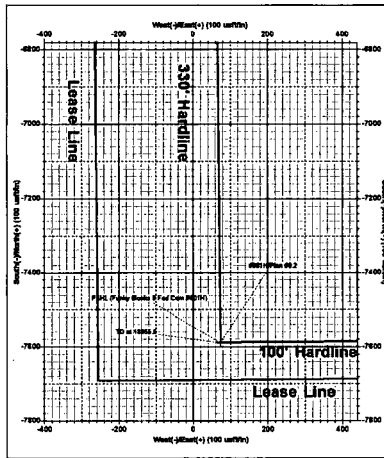
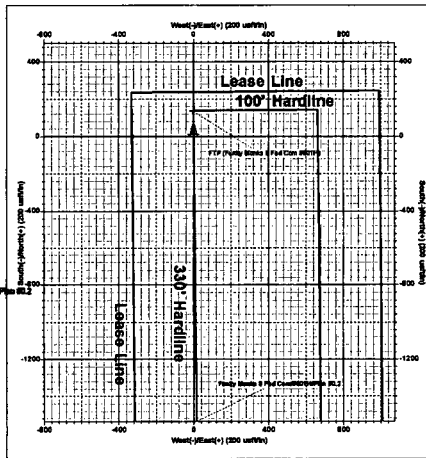
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
3940.0	0.00	0.00	3940.0	0.0	0.0	0.00	0.00	0.0	
4140.0	4.00	359.07	4139.8	7.0	-0.1	2.00	359.07	-7.0	
6505.9	4.00	359.07	6500.0	172.0	-2.8	0.00	0.00	-172.0	
8705.9	0.00	0.00	8699.8	179.0	-2.9	2.00	180.00	-179.0	
10813.6	0.00	0.00	10807.5	179.0	-2.9	0.00	0.00	-179.0	
11563.6	90.00	179.44	11285.0	-298.5	1.8	12.00	179.44	298.5	
18655.6	90.00	179.44	11285.0	-7590.0	73.0	0.00	0.00	7590.4	PBHL (Funky Monks 8 Fed Com #601H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Funky Monks 8 Fed Com #601H)	11285.0	-7890.0	73.0	473279.00	830812.00
FTP (Funky Monks 8 Fed Com #601H)	11285.0	133.0	-2.0	481002.00	830837.00



Lea County, NM (NAD 83 NME)
Funky Monks 8 Fed Com #601H
Plan #0.2



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Funky Monks 8 Fed Com

#601H

OH

Plan: Plan #0.2

Standard Planning Report

25 July, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB= 25' @ 3388.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Funky Monks 8 Fed Com			
Site Position:		Northing:	480,869.00 usft	Latitude:	32° 19' 6.632 N
From:	Map	Easting:	830,539.00 usft	Longitude:	103° 23' 49.764 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.50 °

Well	#601H					
Well Position	+N/-S	0.0 usft	Northing:	480,869.00 usft	Latitude:	32° 19' 6.632 N
	+E/-W	0.0 usft	Easting:	830,539.00 usft	Longitude:	103° 23' 49.764 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,363.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/16/2017	6.78	60.19	47,992.18598292

Design	Plan #0.2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	179.45

Plan Survey Tool Program	Date	7/25/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,855.5 Plan #0.2 (OH)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,940.0	0.00	0.00	3,940.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,140.0	4.00	359.07	4,139.8	7.0	-0.1	2.00	2.00	0.00	359.07	
6,505.9	4.00	359.07	6,500.0	172.0	-2.8	0.00	0.00	0.00	0.00	
6,705.9	0.00	0.00	6,699.8	179.0	-2.9	2.00	-2.00	0.00	180.00	
10,813.6	0.00	0.00	10,807.5	179.0	-2.9	0.00	0.00	0.00	0.00	
11,563.6	90.00	179.44	11,285.0	-298.5	1.8	12.00	12.00	23.93	179.44	
18,855.5	90.00	179.44	11,285.0	-7,590.0	73.0	0.00	0.00	0.00	0.00	PBHL (Funky Monks 8)



Planning Report

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Site:	Funky Monks 8 Fed Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,940.0	0.00	0.00	3,940.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	1.20	359.07	4,000.0	0.6	0.0	-0.6	2.00	2.00	0.00
4,100.0	3.20	359.07	4,099.9	4.5	-0.1	-4.5	2.00	2.00	0.00
4,140.0	4.00	359.07	4,139.8	7.0	-0.1	-7.0	2.00	2.00	0.00
4,200.0	4.00	359.07	4,199.7	11.2	-0.2	-11.2	0.00	0.00	0.00
4,300.0	4.00	359.07	4,299.4	18.1	-0.3	-18.1	0.00	0.00	0.00
4,400.0	4.00	359.07	4,399.2	25.1	-0.4	-25.1	0.00	0.00	0.00
4,500.0	4.00	359.07	4,499.0	32.1	-0.5	-32.1	0.00	0.00	0.00
4,600.0	4.00	359.07	4,598.7	39.1	-0.6	-39.1	0.00	0.00	0.00
4,700.0	4.00	359.07	4,698.5	46.0	-0.7	-46.0	0.00	0.00	0.00
4,800.0	4.00	359.07	4,798.2	53.0	-0.9	-53.0	0.00	0.00	0.00
4,900.0	4.00	359.07	4,898.0	60.0	-1.0	-60.0	0.00	0.00	0.00
5,000.0	4.00	359.07	4,997.7	67.0	-1.1	-67.0	0.00	0.00	0.00
5,100.0	4.00	359.07	5,097.5	73.9	-1.2	-73.9	0.00	0.00	0.00



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Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	4.00	359.07	5,197.3	80.9	-1.3	-80.9	0.00	0.00	0.00
5,300.0	4.00	359.07	5,297.0	87.9	-1.4	-87.9	0.00	0.00	0.00
5,400.0	4.00	359.07	5,396.8	94.9	-1.5	-94.9	0.00	0.00	0.00
5,500.0	4.00	359.07	5,496.5	101.8	-1.7	-101.8	0.00	0.00	0.00
5,600.0	4.00	359.07	5,596.3	108.8	-1.8	-108.8	0.00	0.00	0.00
5,700.0	4.00	359.07	5,696.0	115.8	-1.9	-115.8	0.00	0.00	0.00
5,800.0	4.00	359.07	5,795.8	122.8	-2.0	-122.8	0.00	0.00	0.00
5,900.0	4.00	359.07	5,895.6	129.7	-2.1	-129.7	0.00	0.00	0.00
6,000.0	4.00	359.07	5,995.3	136.7	-2.2	-136.7	0.00	0.00	0.00
6,100.0	4.00	359.07	6,095.1	143.7	-2.3	-143.7	0.00	0.00	0.00
6,200.0	4.00	359.07	6,194.8	150.7	-2.4	-150.7	0.00	0.00	0.00
6,300.0	4.00	359.07	6,294.6	157.6	-2.6	-157.6	0.00	0.00	0.00
6,400.0	4.00	359.07	6,394.3	164.6	-2.7	-164.6	0.00	0.00	0.00
6,505.9	4.00	359.07	6,500.0	172.0	-2.8	-172.0	0.00	0.00	0.00
6,600.0	2.12	359.07	6,593.9	177.0	-2.9	-177.0	2.00	-2.00	0.00
6,705.9	0.00	0.00	6,699.8	179.0	-2.9	-179.0	2.00	-2.00	0.00
6,800.0	0.00	0.00	6,793.9	179.0	-2.9	-179.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,893.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,993.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,093.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,193.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,293.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,393.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,493.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,593.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,693.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,793.9	179.0	-2.9	-179.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,893.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,993.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,093.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,193.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,293.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,393.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,493.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,593.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,693.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,793.9	179.0	-2.9	-179.0	0.00	0.00	0.00
8,900.0	0.00	0.00	8,893.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,000.0	0.00	0.00	8,993.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,100.0	0.00	0.00	9,093.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,200.0	0.00	0.00	9,193.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,300.0	0.00	0.00	9,293.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,400.0	0.00	0.00	9,393.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,493.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,593.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,693.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,793.9	179.0	-2.9	-179.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,893.9	179.0	-2.9	-179.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,993.9	179.0	-2.9	-179.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,093.9	179.0	-2.9	-179.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,193.9	179.0	-2.9	-179.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,293.9	179.0	-2.9	-179.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,393.9	179.0	-2.9	-179.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,493.9	179.0	-2.9	-179.0	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB= 25' @ 3388.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,600.0	0.00	0.00	10,593.9	179.0	-2.9	-179.0	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,693.9	179.0	-2.9	-179.0	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,793.9	179.0	-2.9	-179.0	0.00	0.00	0.00	
10,813.6	0.00	0.00	10,807.5	179.0	-2.9	-179.0	0.00	0.00	0.00	
10,825.0	1.37	179.44	10,818.9	178.8	-2.9	-178.9	12.00	12.00	0.00	
10,850.0	4.37	179.44	10,843.9	177.6	-2.9	-177.6	12.00	12.00	0.00	
10,875.0	7.37	179.44	10,868.7	175.0	-2.9	-175.0	12.00	12.00	0.00	
10,900.0	10.37	179.44	10,893.4	171.2	-2.8	-171.2	12.00	12.00	0.00	
10,925.0	13.37	179.44	10,917.9	166.0	-2.8	-166.1	12.00	12.00	0.00	
10,950.0	16.37	179.44	10,942.1	159.6	-2.7	-159.6	12.00	12.00	0.00	
10,975.0	19.37	179.44	10,965.9	151.9	-2.6	-152.0	12.00	12.00	0.00	
11,000.0	22.37	179.44	10,989.2	143.0	-2.5	-143.1	12.00	12.00	0.00	
11,025.0	25.37	179.44	11,012.1	132.9	-2.5	-132.9	12.00	12.00	0.00	
11,050.0	28.37	179.44	11,034.4	121.6	-2.3	-121.6	12.00	12.00	0.00	
11,075.0	31.37	179.44	11,056.0	109.2	-2.2	-109.2	12.00	12.00	0.00	
11,100.0	34.37	179.44	11,077.0	95.6	-2.1	-95.6	12.00	12.00	0.00	
11,125.0	37.37	179.44	11,097.3	81.0	-1.9	-81.0	12.00	12.00	0.00	
11,150.0	40.37	179.44	11,116.8	65.3	-1.8	-65.3	12.00	12.00	0.00	
11,175.0	43.37	179.44	11,135.4	48.6	-1.6	-48.6	12.00	12.00	0.00	
11,200.0	46.37	179.44	11,153.1	31.0	-1.5	-31.0	12.00	12.00	0.00	
11,212.8	47.91	179.44	11,161.8	21.6	-1.4	-21.6	12.00	12.00	0.00	
FTP (Funky Monks 8 Fed Com #601H)										
11,225.0	49.37	179.44	11,169.9	12.4	-1.3	-12.4	12.00	12.00	0.00	
11,250.0	52.37	179.44	11,185.6	-7.0	-1.1	6.9	12.00	12.00	0.00	
11,275.0	55.37	179.44	11,200.4	-27.1	-0.9	27.1	12.00	12.00	0.00	
11,300.0	58.37	179.44	11,214.0	-48.1	-0.7	48.1	12.00	12.00	0.00	
11,325.0	61.37	179.44	11,226.6	-69.7	-0.5	69.7	12.00	12.00	0.00	
11,350.0	64.37	179.44	11,238.0	-91.9	-0.3	91.9	12.00	12.00	0.00	
11,375.0	67.37	179.44	11,248.2	-114.8	0.0	114.8	12.00	12.00	0.00	
11,400.0	70.37	179.44	11,257.2	-138.1	0.2	138.1	12.00	12.00	0.00	
11,425.0	73.37	179.44	11,265.0	-161.8	0.4	161.8	12.00	12.00	0.00	
11,450.0	76.37	179.44	11,271.5	-186.0	0.7	186.0	12.00	12.00	0.00	
11,475.0	79.37	179.44	11,276.8	-210.4	0.9	210.4	12.00	12.00	0.00	
11,500.0	82.37	179.44	11,280.7	-235.1	1.1	235.1	12.00	12.00	0.00	
11,525.0	85.37	179.44	11,283.4	-259.9	1.4	259.9	12.00	12.00	0.00	
11,550.0	88.37	179.44	11,284.8	-284.9	1.6	284.9	12.00	12.00	0.00	
11,563.6	90.00	179.44	11,285.0	-298.5	1.8	298.5	12.00	12.00	0.00	
11,600.0	90.00	179.44	11,285.0	-334.9	2.1	334.9	0.00	0.00	0.00	
11,700.0	90.00	179.44	11,285.0	-434.9	3.1	434.9	0.00	0.00	0.00	
11,800.0	90.00	179.44	11,285.0	-534.9	4.1	534.9	0.00	0.00	0.00	
11,900.0	90.00	179.44	11,285.0	-634.9	5.1	634.9	0.00	0.00	0.00	
12,000.0	90.00	179.44	11,285.0	-734.9	6.0	734.9	0.00	0.00	0.00	
12,100.0	90.00	179.44	11,285.0	-834.9	7.0	834.9	0.00	0.00	0.00	
12,200.0	90.00	179.44	11,285.0	-934.9	8.0	934.9	0.00	0.00	0.00	
12,300.0	90.00	179.44	11,285.0	-1,034.8	9.0	1,034.9	0.00	0.00	0.00	
12,400.0	90.00	179.44	11,285.0	-1,134.8	9.9	1,134.9	0.00	0.00	0.00	
12,500.0	90.00	179.44	11,285.0	-1,234.8	10.9	1,234.9	0.00	0.00	0.00	
12,600.0	90.00	179.44	11,285.0	-1,334.8	11.9	1,334.9	0.00	0.00	0.00	
12,700.0	90.00	179.44	11,285.0	-1,434.8	12.9	1,434.9	0.00	0.00	0.00	
12,800.0	90.00	179.44	11,285.0	-1,534.8	13.8	1,534.9	0.00	0.00	0.00	
12,900.0	90.00	179.44	11,285.0	-1,634.8	14.8	1,634.9	0.00	0.00	0.00	
13,000.0	90.00	179.44	11,285.0	-1,734.8	15.8	1,734.9	0.00	0.00	0.00	
13,100.0	90.00	179.44	11,285.0	-1,834.8	16.8	1,834.9	0.00	0.00	0.00	

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Funky Monks 8 Fed Com
 Well: #601H
 Wellbore: OH
 Design: Plan #0.2

Local Co-ordinate Reference: Well #601H
 TVD Reference: KB= 25' @ 3388.0usft
 MD Reference: KB= 25' @ 3388.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.00	179.44	11,285.0	-1,934.8	17.8	1,934.9	0.00	0.00	0.00
13,300.0	90.00	179.44	11,285.0	-2,034.8	18.7	2,034.9	0.00	0.00	0.00
13,400.0	90.00	179.44	11,285.0	-2,134.8	19.7	2,134.9	0.00	0.00	0.00
13,500.0	90.00	179.44	11,285.0	-2,234.8	20.7	2,234.9	0.00	0.00	0.00
13,600.0	90.00	179.44	11,285.0	-2,334.8	21.7	2,334.9	0.00	0.00	0.00
13,700.0	90.00	179.44	11,285.0	-2,434.8	22.6	2,434.9	0.00	0.00	0.00
13,800.0	90.00	179.44	11,285.0	-2,534.8	23.6	2,534.9	0.00	0.00	0.00
13,900.0	90.00	179.44	11,285.0	-2,634.8	24.6	2,634.9	0.00	0.00	0.00
14,000.0	90.00	179.44	11,285.0	-2,734.8	25.6	2,734.9	0.00	0.00	0.00
14,100.0	90.00	179.44	11,285.0	-2,834.8	26.5	2,834.9	0.00	0.00	0.00
14,200.0	90.00	179.44	11,285.0	-2,934.8	27.5	2,934.9	0.00	0.00	0.00
14,300.0	90.00	179.44	11,285.0	-3,034.8	28.5	3,034.9	0.00	0.00	0.00
14,400.0	90.00	179.44	11,285.0	-3,134.7	29.5	3,134.9	0.00	0.00	0.00
14,500.0	90.00	179.44	11,285.0	-3,234.7	30.5	3,234.9	0.00	0.00	0.00
14,600.0	90.00	179.44	11,285.0	-3,334.7	31.4	3,334.9	0.00	0.00	0.00
14,700.0	90.00	179.44	11,285.0	-3,434.7	32.4	3,434.9	0.00	0.00	0.00
14,800.0	90.00	179.44	11,285.0	-3,534.7	33.4	3,534.9	0.00	0.00	0.00
14,900.0	90.00	179.44	11,285.0	-3,634.7	34.4	3,634.9	0.00	0.00	0.00
15,000.0	90.00	179.44	11,285.0	-3,734.7	35.3	3,734.9	0.00	0.00	0.00
15,100.0	90.00	179.44	11,285.0	-3,834.7	36.3	3,834.9	0.00	0.00	0.00
15,200.0	90.00	179.44	11,285.0	-3,934.7	37.3	3,934.9	0.00	0.00	0.00
15,300.0	90.00	179.44	11,285.0	-4,034.7	38.3	4,034.9	0.00	0.00	0.00
15,400.0	90.00	179.44	11,285.0	-4,134.7	39.2	4,134.9	0.00	0.00	0.00
15,500.0	90.00	179.44	11,285.0	-4,234.7	40.2	4,234.9	0.00	0.00	0.00
15,600.0	90.00	179.44	11,285.0	-4,334.7	41.2	4,334.9	0.00	0.00	0.00
15,700.0	90.00	179.44	11,285.0	-4,434.7	42.2	4,434.9	0.00	0.00	0.00
15,800.0	90.00	179.44	11,285.0	-4,534.7	43.2	4,534.9	0.00	0.00	0.00
15,900.0	90.00	179.44	11,285.0	-4,634.7	44.1	4,634.9	0.00	0.00	0.00
16,000.0	90.00	179.44	11,285.0	-4,734.7	45.1	4,734.9	0.00	0.00	0.00
16,100.0	90.00	179.44	11,285.0	-4,834.7	46.1	4,834.9	0.00	0.00	0.00
16,200.0	90.00	179.44	11,285.0	-4,934.7	47.1	4,934.9	0.00	0.00	0.00
16,300.0	90.00	179.44	11,285.0	-5,034.7	48.0	5,034.9	0.00	0.00	0.00
16,400.0	90.00	179.44	11,285.0	-5,134.7	49.0	5,134.9	0.00	0.00	0.00
16,500.0	90.00	179.44	11,285.0	-5,234.6	50.0	5,234.9	0.00	0.00	0.00
16,600.0	90.00	179.44	11,285.0	-5,334.6	51.0	5,334.9	0.00	0.00	0.00
16,700.0	90.00	179.44	11,285.0	-5,434.6	51.9	5,434.9	0.00	0.00	0.00
16,800.0	90.00	179.44	11,285.0	-5,534.6	52.9	5,534.9	0.00	0.00	0.00
16,900.0	90.00	179.44	11,285.0	-5,634.6	53.9	5,634.9	0.00	0.00	0.00
17,000.0	90.00	179.44	11,285.0	-5,734.6	54.9	5,734.9	0.00	0.00	0.00
17,100.0	90.00	179.44	11,285.0	-5,834.6	55.9	5,834.9	0.00	0.00	0.00
17,200.0	90.00	179.44	11,285.0	-5,934.6	56.8	5,934.9	0.00	0.00	0.00
17,300.0	90.00	179.44	11,285.0	-6,034.6	57.8	6,034.9	0.00	0.00	0.00
17,400.0	90.00	179.44	11,285.0	-6,134.6	58.8	6,134.9	0.00	0.00	0.00
17,500.0	90.00	179.44	11,285.0	-6,234.6	59.8	6,234.9	0.00	0.00	0.00
17,600.0	90.00	179.44	11,285.0	-6,334.6	60.7	6,334.9	0.00	0.00	0.00
17,700.0	90.00	179.44	11,285.0	-6,434.6	61.7	6,434.9	0.00	0.00	0.00
17,800.0	90.00	179.44	11,285.0	-6,534.6	62.7	6,534.9	0.00	0.00	0.00
17,900.0	90.00	179.44	11,285.0	-6,634.6	63.7	6,634.9	0.00	0.00	0.00
18,000.0	90.00	179.44	11,285.0	-6,734.6	64.6	6,734.9	0.00	0.00	0.00
18,100.0	90.00	179.44	11,285.0	-6,834.6	65.6	6,834.9	0.00	0.00	0.00
18,200.0	90.00	179.44	11,285.0	-6,934.6	66.6	6,934.9	0.00	0.00	0.00
18,300.0	90.00	179.44	11,285.0	-7,034.6	67.6	7,034.9	0.00	0.00	0.00
18,400.0	90.00	179.44	11,285.0	-7,134.6	68.6	7,134.9	0.00	0.00	0.00
18,500.0	90.00	179.44	11,285.0	-7,234.6	69.5	7,234.9	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #601H
Company:	EOG Resources - Midland	TVD Reference:	KB= 25' @ 3388.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB= 25' @ 3388.0usft
Site:	Funky Monks 8 Fed Com	North Reference:	Grid
Well:	#601H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,600.0	90.00	179.44	11,285.0	-7,334.5	70.5	7,334.9	0.00	0.00	0.00
18,700.0	90.00	179.44	11,285.0	-7,434.5	71.5	7,434.9	0.00	0.00	0.00
18,800.0	90.00	179.44	11,285.0	-7,534.5	72.5	7,534.9	0.00	0.00	0.00
18,855.5	90.00	179.44	11,285.0	-7,590.0	73.0	7,590.4	0.00	0.00	0.00
PBHL (Funky Monks 8 Fed Com #601H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Funky Monks 8 F	0.00	0.07	11,285.0	-7,590.0	73.0	473,279.00	830,612.00	32° 17' 51.525 N	103° 23' 49.685 W
- plan hits target center									
- Point									
FTP (Funky Monks 8 Fe	0.00	0.07	11,285.0	133.0	-2.0	481,002.00	830,537.00	32° 19' 7.948 N	103° 23' 49.773 W
- plan misses target center by 166.1usft at 11212.8usft MD (11161.8 TVD, 21.6 N, -1.4 E)									
- Point									