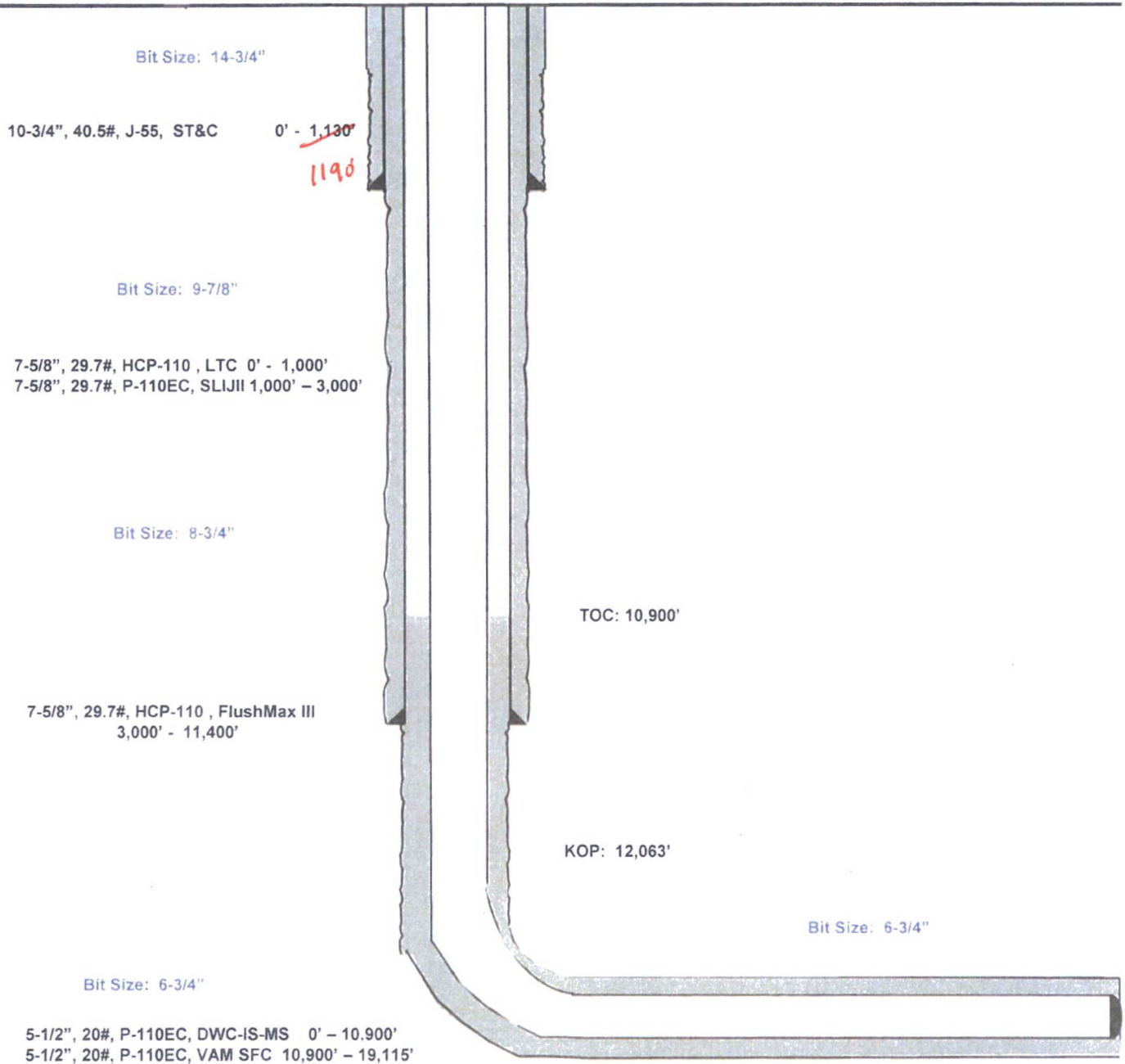


Lucky 13 Fed Com #703H

2100' FSL
750' FWL
Section 13
T-25-S, R-33-E

Lea County, New Mexico
Proposed Wellbore
Revised 8/9/17
API: 30-025-42608

KB: 3,375'
GL: 3,350'



Lateral: 19,115' MD, 12,500' TVD
Upper Most Perf:
2591' FNL & 1484' FWL Sec. 13
Lower Most Perf:
1650' FNL & 1484' FWL Sec. 12
BH Location: 1550' FNL & 1484' FWL
Section 12
T-25-S, R-33-E



Lea County, NM (NAD 83 NME)

Lucky 13 Fed Com #703H

Plan #0.1

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



Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.49°
Magnetic Field
Strength: 47872.0nT
Dip Angle: 66.99°
Date: 8/7/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.49°
To convert a Magnetic Direction to a True Direction, Add 6.91° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS: #703H

KB = 25' @ 3375.0usft 3350.0
Northing 411609.00 Easting 789340.00 Latitude 32° 7' 44.605 N Longitude 103° 31' 55.854 W

SECTION DETAILS

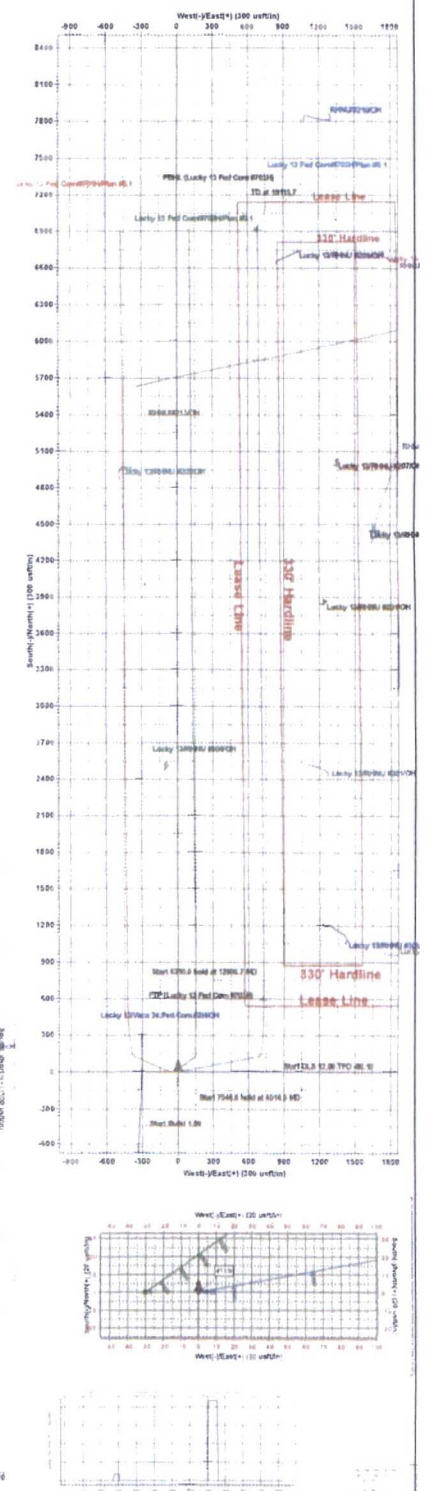
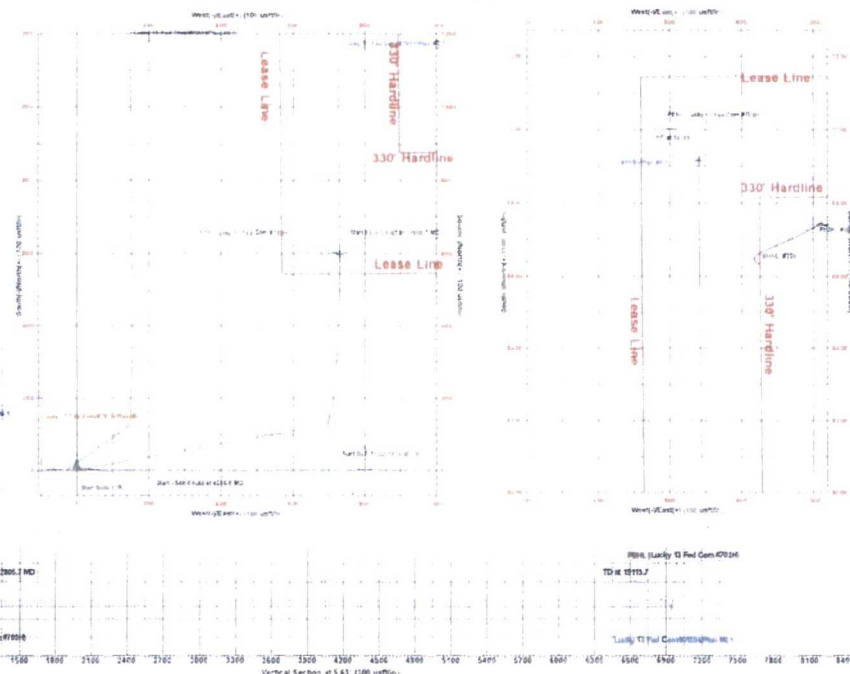
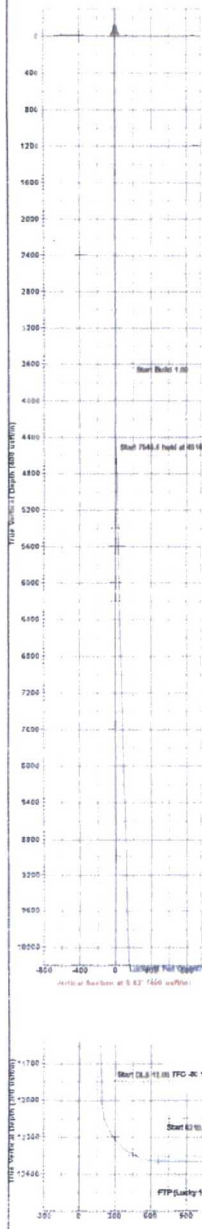
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4516.6	5.17	79.63	4515.9	4.2	22.9	1.00	79.63	6.4	
4	12063.2	5.17	79.63	12031.8	126.5	691.2	0.00	0.00	193.7	
5	12805.7	90.00	359.57	12500.0	604.2	729.4	12.00	-80.10	672.9	
6	19115.7	90.00	359.57	12500.0	6914.0	682.0	0.00	0.00	6947.6	PBHL (Lucky 13 Fed Com #703H)

SABING DETAIL:

No casing data is available.

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Lucky 13 Fed Com #703H)	12500.0	595.0	729.0	412204.00	780059.00
PBHL (Lucky 13 Fed Com #703H)	12500.0	6914.0	682.0	419523.00	780022.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Lucky 13 Fed Com

#703H

OH

Plan: Plan #0.1

Standard Planning Report

07 August, 2017



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Lucky 13 Fed Com
Well: #703H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25' @ 3375.0usft
MD Reference: KB = 25' @ 3375.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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: Lucky 13 Fed Com

Site Position: Northing: 411,609.00 usft Latitude: 32° 7' 44.610 N
From: Map Easting: 789,280.00 usft Longitude: 103° 31' 56.552 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 0.43

Well: #703H

Well Position: +N/-S 0.0 usft Northing: 411,609.00 usft Latitude: 32° 7' 44.605 N
+E/-W 60.0 usft Easting: 789,340.00 usft Longitude: 103° 31' 55.854 W
Position Uncertainty: 0.0 usft Wellhead Elevation: Ground Level: 3,350.0 usft

Wellbore: OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	8/7/2017	6.91	59.98	47,872.01747847

Design: Plan #0.1

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 5.63

Plan Survey Tool Program Date: 8/7/2017

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1 0.0	19,115.7	Plan #0.1 (OH)	MWD	
			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	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,516.6	5.17	79.63	4,515.9	4.2	22.9	1.00	1.00	0.00	79.63	
12,063.2	5.17	79.63	12,031.8	126.5	691.2	0.00	0.00	0.00	0.00	
12,805.7	90.00	359.57	12,500.0	604.2	729.4	12.00	11.42	-10.78	-80.10	
19,115.7	90.00	359.57	12,500.0	6,914.0	682.0	0.00	0.00	0.00	0.00	PBHL (Lucky 13 Fed)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lucky 13 Fed Com
 Well: #703H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
 TVD Reference: KB = 25' @ 3375.0usft
 MD Reference: KB = 25' @ 3375.0usft
 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)
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
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	1.00	79.63	4,100.0	0.2	0.9	0.2	1.00	1.00	0.00
4,200.0	2.00	79.63	4,200.0	0.6	3.4	1.0	1.00	1.00	0.00
4,300.0	3.00	79.63	4,299.9	1.4	7.7	2.2	1.00	1.00	0.00
4,400.0	4.00	79.63	4,399.7	2.5	13.7	3.8	1.00	1.00	0.00
4,500.0	5.00	79.63	4,499.4	3.9	21.4	6.0	1.00	1.00	0.00
4,516.6	5.17	79.63	4,515.9	4.2	22.9	6.4	1.00	1.00	0.00
4,600.0	5.17	79.63	4,599.0	5.5	30.3	8.5	0.00	0.00	0.00
4,700.0	5.17	79.63	4,698.6	7.2	39.1	11.0	0.00	0.00	0.00
4,800.0	5.17	79.63	4,798.1	8.8	48.0	13.4	0.00	0.00	0.00
4,900.0	5.17	79.63	4,897.7	10.4	56.8	15.9	0.00	0.00	0.00
5,000.0	5.17	79.63	4,997.3	12.0	65.7	18.4	0.00	0.00	0.00
5,100.0	5.17	79.63	5,096.9	13.6	74.6	20.9	0.00	0.00	0.00
5,200.0	5.17	79.63	5,196.5	15.3	83.4	23.4	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lucky 13 Fed Com
 Well: #703H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
 TVD Reference: KB = 25' @ 3375.0usft
 MD Reference: KB = 25' @ 3375.0usft
 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)
5,300.0	5.17	79.63	5,296.1	16.9	92.3	25.9	0.00	0.00	0.00
5,400.0	5.17	79.63	5,395.7	18.5	101.1	28.3	0.00	0.00	0.00
5,500.0	5.17	79.63	5,495.3	20.1	110.0	30.8	0.00	0.00	0.00
5,600.0	5.17	79.63	5,594.9	21.7	118.8	33.3	0.00	0.00	0.00
5,700.0	5.17	79.63	5,694.5	23.4	127.7	35.8	0.00	0.00	0.00
5,800.0	5.17	79.63	5,794.1	25.0	136.6	38.3	0.00	0.00	0.00
5,900.0	5.17	79.63	5,893.7	26.6	145.4	40.8	0.00	0.00	0.00
6,000.0	5.17	79.63	5,993.3	28.2	154.3	43.2	0.00	0.00	0.00
6,100.0	5.17	79.63	6,092.9	29.8	163.1	45.7	0.00	0.00	0.00
6,200.0	5.17	79.63	6,192.5	31.5	172.0	48.2	0.00	0.00	0.00
6,300.0	5.17	79.63	6,292.1	33.1	180.8	50.7	0.00	0.00	0.00
6,400.0	5.17	79.63	6,391.7	34.7	189.7	53.2	0.00	0.00	0.00
6,500.0	5.17	79.63	6,491.2	36.3	198.6	55.6	0.00	0.00	0.00
6,600.0	5.17	79.63	6,590.8	37.9	207.4	58.1	0.00	0.00	0.00
6,700.0	5.17	79.63	6,690.4	39.6	216.3	60.6	0.00	0.00	0.00
6,800.0	5.17	79.63	6,790.0	41.2	225.1	63.1	0.00	0.00	0.00
6,900.0	5.17	79.63	6,889.6	42.8	234.0	65.6	0.00	0.00	0.00
7,000.0	5.17	79.63	6,989.2	44.4	242.8	68.1	0.00	0.00	0.00
7,100.0	5.17	79.63	7,088.8	46.0	251.7	70.5	0.00	0.00	0.00
7,200.0	5.17	79.63	7,188.4	47.7	260.5	73.0	0.00	0.00	0.00
7,300.0	5.17	79.63	7,288.0	49.3	269.4	75.5	0.00	0.00	0.00
7,400.0	5.17	79.63	7,387.6	50.9	278.3	78.0	0.00	0.00	0.00
7,500.0	5.17	79.63	7,487.2	52.5	287.1	80.5	0.00	0.00	0.00
7,600.0	5.17	79.63	7,586.8	54.2	296.0	82.9	0.00	0.00	0.00
7,700.0	5.17	79.63	7,686.4	55.8	304.8	85.4	0.00	0.00	0.00
7,800.0	5.17	79.63	7,786.0	57.4	313.7	87.9	0.00	0.00	0.00
7,900.0	5.17	79.63	7,885.6	59.0	322.5	90.4	0.00	0.00	0.00
8,000.0	5.17	79.63	7,985.2	60.6	331.4	92.9	0.00	0.00	0.00
8,100.0	5.17	79.63	8,084.7	62.3	340.3	95.4	0.00	0.00	0.00
8,200.0	5.17	79.63	8,184.3	63.9	349.1	97.8	0.00	0.00	0.00
8,300.0	5.17	79.63	8,283.9	65.5	358.0	100.3	0.00	0.00	0.00
8,400.0	5.17	79.63	8,383.5	67.1	366.8	102.8	0.00	0.00	0.00
8,500.0	5.17	79.63	8,483.1	68.7	375.7	105.3	0.00	0.00	0.00
8,600.0	5.17	79.63	8,582.7	70.4	384.5	107.8	0.00	0.00	0.00
8,700.0	5.17	79.63	8,682.3	72.0	393.4	110.2	0.00	0.00	0.00
8,800.0	5.17	79.63	8,781.9	73.6	402.3	112.7	0.00	0.00	0.00
8,900.0	5.17	79.63	8,881.5	75.2	411.1	115.2	0.00	0.00	0.00
9,000.0	5.17	79.63	8,981.1	76.8	420.0	117.7	0.00	0.00	0.00
9,100.0	5.17	79.63	9,080.7	78.5	428.8	120.2	0.00	0.00	0.00
9,200.0	5.17	79.63	9,180.3	80.1	437.7	122.7	0.00	0.00	0.00
9,300.0	5.17	79.63	9,279.9	81.7	446.5	125.1	0.00	0.00	0.00
9,400.0	5.17	79.63	9,379.5	83.3	455.4	127.6	0.00	0.00	0.00
9,500.0	5.17	79.63	9,479.1	84.9	464.2	130.1	0.00	0.00	0.00
9,600.0	5.17	79.63	9,578.7	86.6	473.1	132.6	0.00	0.00	0.00
9,700.0	5.17	79.63	9,678.2	88.2	482.0	135.1	0.00	0.00	0.00
9,800.0	5.17	79.63	9,777.8	89.8	490.8	137.5	0.00	0.00	0.00
9,900.0	5.17	79.63	9,877.4	91.4	499.7	140.0	0.00	0.00	0.00
10,000.0	5.17	79.63	9,977.0	93.0	508.5	142.5	0.00	0.00	0.00
10,100.0	5.17	79.63	10,076.6	94.7	517.4	145.0	0.00	0.00	0.00
10,200.0	5.17	79.63	10,176.2	96.3	526.2	147.5	0.00	0.00	0.00
10,300.0	5.17	79.63	10,275.8	97.9	535.1	150.0	0.00	0.00	0.00
10,400.0	5.17	79.63	10,375.4	99.5	544.0	152.4	0.00	0.00	0.00
10,500.0	5.17	79.63	10,475.0	101.1	552.8	154.9	0.00	0.00	0.00
10,600.0	5.17	79.63	10,574.6	102.8	561.7	157.4	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Lucky 13 Fed Com
Well: #703H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
TVD Reference: KB = 25' @ 3375.0usft
MD Reference: KB = 25' @ 3375.0usft
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)
10,700.0	5.17	79.63	10,674.2	104.4	570.5	159.9	0.00	0.00	0.00
10,800.0	5.17	79.63	10,773.8	106.0	579.4	162.4	0.00	0.00	0.00
10,900.0	5.17	79.63	10,873.4	107.6	588.2	164.8	0.00	0.00	0.00
11,000.0	5.17	79.63	10,973.0	109.2	597.1	167.3	0.00	0.00	0.00
11,100.0	5.17	79.63	11,072.6	110.9	605.9	169.8	0.00	0.00	0.00
11,200.0	5.17	79.63	11,172.2	112.5	614.8	172.3	0.00	0.00	0.00
11,300.0	5.17	79.63	11,271.8	114.1	623.7	174.8	0.00	0.00	0.00
11,400.0	5.17	79.63	11,371.3	115.7	632.5	177.3	0.00	0.00	0.00
11,500.0	5.17	79.63	11,470.9	117.3	641.4	179.7	0.00	0.00	0.00
11,600.0	5.17	79.63	11,570.5	119.0	650.2	182.2	0.00	0.00	0.00
11,700.0	5.17	79.63	11,670.1	120.6	659.1	184.7	0.00	0.00	0.00
11,800.0	5.17	79.63	11,769.7	122.2	667.9	187.2	0.00	0.00	0.00
11,900.0	5.17	79.63	11,869.3	123.8	676.8	189.7	0.00	0.00	0.00
12,000.0	5.17	79.63	11,968.9	125.4	685.7	192.1	0.00	0.00	0.00
12,063.2	5.17	79.63	12,031.8	126.5	691.2	193.7	0.00	0.00	0.00
12,075.0	5.59	65.10	12,043.6	126.8	692.3	194.2	12.00	3.56	-122.71
12,100.0	7.35	43.22	12,068.4	128.5	694.5	196.0	12.00	7.05	-87.51
12,125.0	9.74	30.83	12,093.2	131.5	696.7	199.2	12.00	9.54	-49.55
12,150.0	12.39	23.48	12,117.7	135.7	698.8	203.7	12.00	10.61	-29.40
12,175.0	15.17	18.74	12,142.0	141.3	700.9	209.4	12.00	11.13	-18.97
12,200.0	18.02	15.45	12,165.9	148.1	703.0	216.4	12.00	11.40	-13.15
12,225.0	20.91	13.05	12,189.5	156.2	705.1	224.7	12.00	11.56	-9.64
12,250.0	23.83	11.20	12,212.6	165.5	707.1	234.1	12.00	11.67	-7.38
12,275.0	26.76	9.74	12,235.2	176.0	709.0	244.8	12.00	11.74	-5.85
12,300.0	29.71	8.55	12,257.2	187.7	710.9	256.6	12.00	11.79	-4.77
12,325.0	32.67	7.55	12,278.6	200.5	712.7	269.5	12.00	11.82	-3.98
12,350.0	35.63	6.71	12,299.3	214.4	714.4	283.5	12.00	11.85	-3.38
12,375.0	38.60	5.98	12,319.2	229.4	716.1	298.6	12.00	11.87	-2.93
12,400.0	41.57	5.33	12,338.4	245.4	717.7	314.7	12.00	11.89	-2.57
12,425.0	44.54	4.76	12,356.6	262.4	719.2	331.8	12.00	11.90	-2.29
12,450.0	47.52	4.25	12,374.0	280.4	720.6	349.8	12.00	11.91	-2.06
12,475.0	50.50	3.78	12,390.4	299.2	721.9	368.6	12.00	11.92	-1.87
12,500.0	53.48	3.35	12,405.8	318.9	723.1	388.3	12.00	11.92	-1.72
12,525.0	56.46	2.95	12,420.1	339.3	724.2	408.7	12.00	11.93	-1.59
12,550.0	59.45	2.58	12,433.4	360.5	725.3	429.9	12.00	11.93	-1.48
12,575.0	62.43	2.23	12,445.5	382.3	726.2	451.7	12.00	11.94	-1.39
12,600.0	65.42	1.90	12,456.5	404.7	727.0	474.1	12.00	11.94	-1.32
12,625.0	68.40	1.59	12,466.3	427.7	727.7	497.1	12.00	11.94	-1.26
12,650.0	71.39	1.29	12,474.9	451.2	728.3	520.5	12.00	11.95	-1.21
12,675.0	74.38	1.00	12,482.3	475.1	728.7	544.3	12.00	11.95	-1.17
12,700.0	77.36	0.71	12,488.4	499.3	729.1	568.5	12.00	11.95	-1.13
12,725.0	80.35	0.44	12,493.2	523.8	729.4	592.9	12.00	11.95	-1.11
12,750.0	83.34	0.17	12,496.8	548.6	729.5	617.5	12.00	11.95	-1.09
12,775.0	86.33	359.90	12,499.0	573.5	729.5	642.3	12.00	11.95	-1.07
12,796.6	88.90	359.67	12,499.9	595.0	729.4	663.7	12.00	11.95	-1.07
FTP (Lucky 13 Fed Com #703H)									
12,800.0	89.31	359.63	12,500.0	598.4	729.4	667.2	12.00	11.95	-1.06
12,805.7	90.00	359.57	12,500.0	604.2	729.4	672.9	12.00	11.95	-1.06
12,900.0	90.00	359.57	12,500.0	698.4	728.6	766.6	0.00	0.00	0.00
13,000.0	90.00	359.57	12,500.0	798.4	727.9	866.0	0.00	0.00	0.00
13,100.0	90.00	359.57	12,500.0	898.4	727.1	965.5	0.00	0.00	0.00
13,200.0	90.00	359.57	12,500.0	998.4	726.4	1,064.9	0.00	0.00	0.00
13,300.0	90.00	359.57	12,500.0	1,098.4	725.6	1,164.4	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lucky 13 Fed Com
 Well: #703H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
 TVD Reference: KB = 25' @ 3375.0usft
 MD Reference: KB = 25' @ 3375.0usft
 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)
13,400.0	90.00	359.57	12,500.0	1,198.4	724.9	1,263.8	0.00	0.00	0.00
13,500.0	90.00	359.57	12,500.0	1,298.4	724.1	1,363.2	0.00	0.00	0.00
13,600.0	90.00	359.57	12,500.0	1,398.4	723.4	1,462.7	0.00	0.00	0.00
13,700.0	90.00	359.57	12,500.0	1,498.4	722.6	1,562.1	0.00	0.00	0.00
13,800.0	90.00	359.57	12,500.0	1,598.4	721.9	1,661.6	0.00	0.00	0.00
13,900.0	90.00	359.57	12,500.0	1,698.4	721.1	1,761.0	0.00	0.00	0.00
14,000.0	90.00	359.57	12,500.0	1,798.4	720.4	1,860.4	0.00	0.00	0.00
14,100.0	90.00	359.57	12,500.0	1,898.4	719.6	1,959.9	0.00	0.00	0.00
14,200.0	90.00	359.57	12,500.0	1,998.4	718.9	2,059.3	0.00	0.00	0.00
14,300.0	90.00	359.57	12,500.0	2,098.4	718.1	2,158.8	0.00	0.00	0.00
14,400.0	90.00	359.57	12,500.0	2,198.4	717.4	2,258.2	0.00	0.00	0.00
14,500.0	90.00	359.57	12,500.0	2,298.4	716.6	2,357.6	0.00	0.00	0.00
14,600.0	90.00	359.57	12,500.0	2,398.4	715.9	2,457.1	0.00	0.00	0.00
14,700.0	90.00	359.57	12,500.0	2,498.4	715.1	2,556.5	0.00	0.00	0.00
14,800.0	90.00	359.57	12,500.0	2,598.4	714.4	2,656.0	0.00	0.00	0.00
14,900.0	90.00	359.57	12,500.0	2,698.4	713.6	2,755.4	0.00	0.00	0.00
15,000.0	90.00	359.57	12,500.0	2,798.4	712.9	2,854.8	0.00	0.00	0.00
15,100.0	90.00	359.57	12,500.0	2,898.4	712.1	2,954.3	0.00	0.00	0.00
15,200.0	90.00	359.57	12,500.0	2,998.4	711.4	3,053.7	0.00	0.00	0.00
15,300.0	90.00	359.57	12,500.0	3,098.4	710.6	3,153.2	0.00	0.00	0.00
15,400.0	90.00	359.57	12,500.0	3,198.4	709.9	3,252.6	0.00	0.00	0.00
15,500.0	90.00	359.57	12,500.0	3,298.4	709.1	3,352.0	0.00	0.00	0.00
15,600.0	90.00	359.57	12,500.0	3,398.4	708.4	3,451.5	0.00	0.00	0.00
15,700.0	90.00	359.57	12,500.0	3,498.4	707.6	3,550.9	0.00	0.00	0.00
15,800.0	90.00	359.57	12,500.0	3,598.4	706.9	3,650.4	0.00	0.00	0.00
15,900.0	90.00	359.57	12,500.0	3,698.4	706.1	3,749.8	0.00	0.00	0.00
16,000.0	90.00	359.57	12,500.0	3,798.4	705.4	3,849.2	0.00	0.00	0.00
16,100.0	90.00	359.57	12,500.0	3,898.3	704.6	3,948.7	0.00	0.00	0.00
16,200.0	90.00	359.57	12,500.0	3,998.3	703.9	4,048.1	0.00	0.00	0.00
16,300.0	90.00	359.57	12,500.0	4,098.3	703.1	4,147.6	0.00	0.00	0.00
16,400.0	90.00	359.57	12,500.0	4,198.3	702.4	4,247.0	0.00	0.00	0.00
16,500.0	90.00	359.57	12,500.0	4,298.3	701.6	4,346.5	0.00	0.00	0.00
16,600.0	90.00	359.57	12,500.0	4,398.3	700.9	4,445.9	0.00	0.00	0.00
16,700.0	90.00	359.57	12,500.0	4,498.3	700.1	4,545.3	0.00	0.00	0.00
16,800.0	90.00	359.57	12,500.0	4,598.3	699.4	4,644.8	0.00	0.00	0.00
16,900.0	90.00	359.57	12,500.0	4,698.3	698.6	4,744.2	0.00	0.00	0.00
17,000.0	90.00	359.57	12,500.0	4,798.3	697.9	4,843.7	0.00	0.00	0.00
17,100.0	90.00	359.57	12,500.0	4,898.3	697.1	4,943.1	0.00	0.00	0.00
17,200.0	90.00	359.57	12,500.0	4,998.3	696.4	5,042.5	0.00	0.00	0.00
17,300.0	90.00	359.57	12,500.0	5,098.3	695.6	5,142.0	0.00	0.00	0.00
17,400.0	90.00	359.57	12,500.0	5,198.3	694.9	5,241.4	0.00	0.00	0.00
17,500.0	90.00	359.57	12,500.0	5,298.3	694.1	5,340.9	0.00	0.00	0.00
17,600.0	90.00	359.57	12,500.0	5,398.3	693.4	5,440.3	0.00	0.00	0.00
17,700.0	90.00	359.57	12,500.0	5,498.3	692.6	5,539.7	0.00	0.00	0.00
17,800.0	90.00	359.57	12,500.0	5,598.3	691.9	5,639.2	0.00	0.00	0.00
17,900.0	90.00	359.57	12,500.0	5,698.3	691.1	5,738.6	0.00	0.00	0.00
18,000.0	90.00	359.57	12,500.0	5,798.3	690.4	5,838.1	0.00	0.00	0.00
18,100.0	90.00	359.57	12,500.0	5,898.3	689.6	5,937.5	0.00	0.00	0.00
18,200.0	90.00	359.57	12,500.0	5,998.3	688.9	6,036.9	0.00	0.00	0.00
18,300.0	90.00	359.57	12,500.0	6,098.3	688.1	6,136.4	0.00	0.00	0.00
18,400.0	90.00	359.57	12,500.0	6,198.3	687.4	6,235.8	0.00	0.00	0.00
18,500.0	90.00	359.57	12,500.0	6,298.3	686.6	6,335.3	0.00	0.00	0.00
18,600.0	90.00	359.57	12,500.0	6,398.3	685.9	6,434.7	0.00	0.00	0.00
18,700.0	90.00	359.57	12,500.0	6,498.3	685.1	6,534.1	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.14 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Lucky 13 Fed Com
 Well: #703H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
 TVD Reference: KB = 25' @ 3375.0usft
 MD Reference: KB = 25' @ 3375.0usft
 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)
18,800.0	90.00	359.57	12,500.0	6,598.3	684.4	6,633.6	0.00	0.00	0.00
18,900.0	90.00	359.57	12,500.0	6,698.3	683.6	6,733.0	0.00	0.00	0.00
19,000.0	90.00	359.57	12,500.0	6,798.3	682.9	6,832.5	0.00	0.00	0.00
19,100.0	90.00	359.57	12,500.0	6,898.3	682.1	6,931.9	0.00	0.00	0.00
19,115.7	90.00	359.57	12,500.0	6,914.0	682.0	6,947.6	0.00	0.00	0.00

PBHL (Lucky 13 Fed Com #703H)

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 (Lucky 13 Fed Co - plan hits target center - Point	0.00	0.00	12,500.0	6,914.0	682.0	418,523.00	790,022.00	32° 8' 52.971 N	103° 31' 47.323 W
FTP (Lucky 13 Fed Com - plan misses target center by 0.4usft at 12796.6usft MD (12499.9 TVD, 595.0 N, 729.4 E) - Point	0.00	0.00	12,500.0	595.0	729.0	412,204.00	790,069.00	32° 7' 50.439 N	103° 31' 47.325 W