

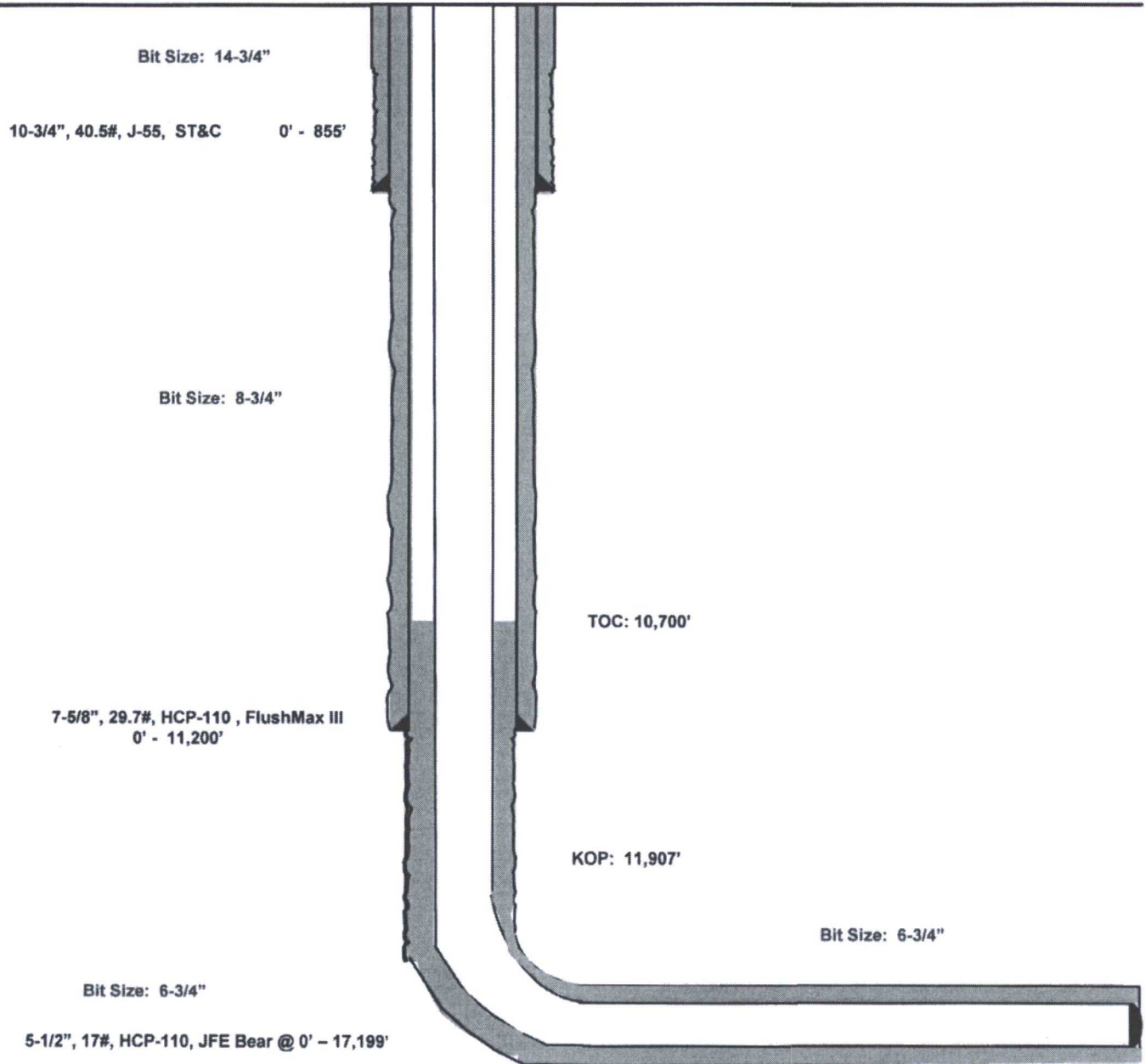
Magnolia 15 #701H

**Lea County, New Mexico
Proposed Wellbore**

**365' FNL
693' FWL
Section 15
T-26-S, R-33-E**

API: 30-025-*****

**KB: 3,320'
GL: 3,295'**



Lateral: 17,199' MD, 12,390' TVD

**BH Location: 230' FSL & 330' FWL
Section 15
T-26-S, R-33-E**

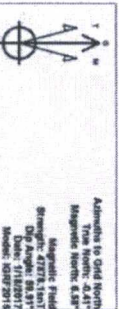


Laa County, NM (NAD 27 NME)

Magnolia 15 #701H

Plan #0.1

PROJECT DETAILS: Laa County, NM (NAD 27 NME)
Geoidetic System: US State Plane 1983 (Feet and Feet)
Datum: NAD 1983 (NADCON CONUS)
Zone: New Mexico East 3001
System Datum: Mean Sea Level



To convert a Magnetic Declination to a True Declination, Add 6.84°
To convert a True Declination to a Magnetic Declination, Subtract 6.84°

WELL DETAILS: #701H			
Well Level:	2395.0		
Ground Level:	2395.0		
Northings	737746.50	Eastings	737746.50
322915.00	322915.00	737746.50	737746.50

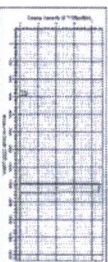
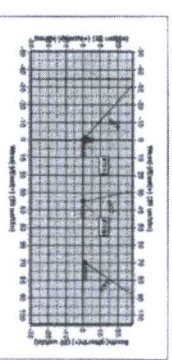
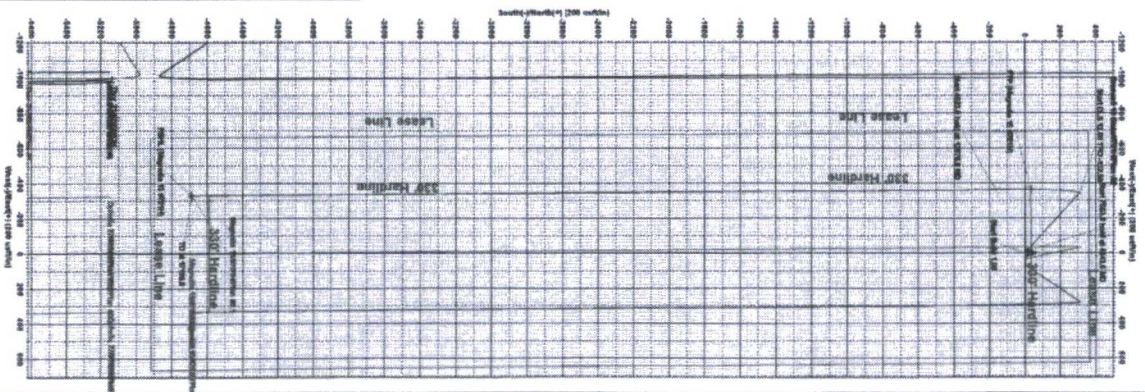
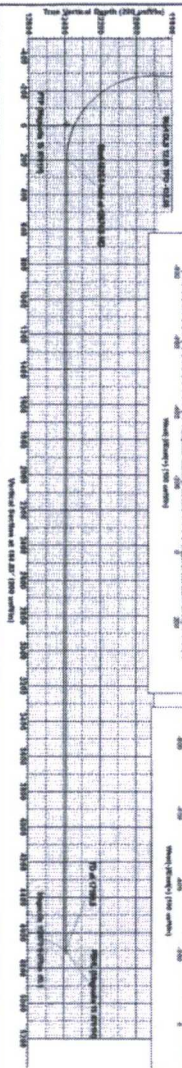
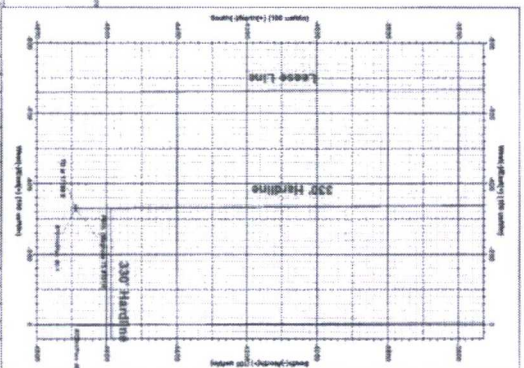
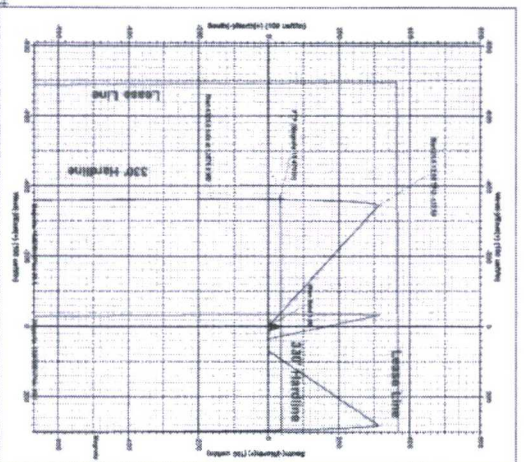
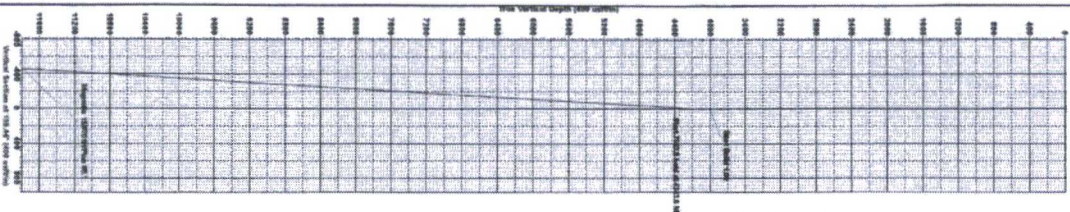
SECTION DETAILS											
Sec	MD	Inc	Azi	TYD	+N-S	+E/W	Diag	TFace	VSecl	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	0.0	
3	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	0.0	
4	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	0.0	
5	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	0.0	
6	17199.8	90.00	179.59	12290.0	-186.1	-362.4	12.00	-132.50	191.1	4700.0	PBIL (Magnolia 15 #701H)

CASTING DETAILS

No casting data to include

WELLBORE TARGET DETAILS: BPP CO. COORDINATES

Station	MD	Inc	Azi	TYD	+N-S	+E/W	Diag	TFace	VSecl	Target
From Magnolia 15 #701H	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	0.0
From Magnolia 15 #701H	12390.0	0.00	0.00	12390.0	0.0	0.0	0.00	0.00	0.0	0.0
From Magnolia 15 #701H	12390.0	0.00	0.00	12390.0	0.0	0.0	0.00	0.00	0.0	0.0





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Magnolia 15

#701H

OH

Plan: Plan #0.1

Standard Planning Report

18 January, 2017



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #701H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3320.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3320.0usft
Site:	Magnolia 15	North Reference:	Grid
Well:	#701H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 27 NME)		
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	Magnolia 15				
Site Position:		Northing:	382,619.00 usft	Latitude:	32° 2' 58.604 N
From:	Map	Easting:	737,740.00 usft	Longitude:	103° 33' 57.649 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	#701H					
Well Position	+N/-S	0.0 usft	Northing:	382,619.00 usft	Latitude:	32° 2' 58.604 N
	+E/-W	0.0 usft	Easting:	737,740.00 usft	Longitude:	103° 33' 57.649 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,295.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/18/2017	6.98	59.91	47,878

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	184.03

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	
4,343.6	3.44	312.14	4,343.4	6.9	-7.6	1.00	1.00	0.00	312.14	
11,907.5	3.44	312.14	11,893.7	311.1	-343.8	0.00	0.00	0.00	0.00	
12,676.8	90.00	179.59	12,390.0	-166.1	-362.4	12.00	11.25	-17.23	-132.50	
17,199.8	90.00	179.59	12,390.0	-4,689.0	-330.0	0.00	0.00	0.00	0.00	PBHL (Magnolia 15 #



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Magnolia 15
 Well: #701H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25' @ 3320.0usft
 MD Reference: KB = 25' @ 3320.0usft
 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	312.14	4,100.0	0.6	-0.6	-0.5	1.00	1.00	0.00
4,200.0	2.00	312.14	4,200.0	2.3	-2.6	-2.2	1.00	1.00	0.00
4,300.0	3.00	312.14	4,299.9	5.3	-5.8	-4.8	1.00	1.00	0.00
4,343.6	3.44	312.14	4,343.4	6.9	-7.6	-6.4	1.00	1.00	0.00
4,400.0	3.44	312.14	4,399.7	9.2	-10.1	-8.4	0.00	0.00	0.00
4,500.0	3.44	312.14	4,499.5	13.2	-14.6	-12.1	0.00	0.00	0.00
4,600.0	3.44	312.14	4,599.3	17.2	-19.0	-15.8	0.00	0.00	0.00
4,700.0	3.44	312.14	4,699.2	21.2	-23.5	-19.5	0.00	0.00	0.00
4,800.0	3.44	312.14	4,799.0	25.3	-27.9	-23.2	0.00	0.00	0.00
4,900.0	3.44	312.14	4,898.8	29.3	-32.4	-26.9	0.00	0.00	0.00
5,000.0	3.44	312.14	4,998.6	33.3	-36.8	-30.6	0.00	0.00	0.00
5,100.0	3.44	312.14	5,098.4	37.3	-41.3	-34.3	0.00	0.00	0.00
5,200.0	3.44	312.14	5,198.3	41.4	-45.7	-38.0	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Magnolia 15
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #701H
KB = 25' @ 3320.0usft
KB = 25' @ 3320.0usft
Grid
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	3.44	312.14	5,298.1	45.4	-50.1	-41.7	0.00	0.00	0.00
5,400.0	3.44	312.14	5,397.9	49.4	-54.6	-45.4	0.00	0.00	0.00
5,500.0	3.44	312.14	5,497.7	53.4	-59.0	-49.1	0.00	0.00	0.00
5,600.0	3.44	312.14	5,597.5	57.4	-63.5	-52.8	0.00	0.00	0.00
5,700.0	3.44	312.14	5,697.4	61.5	-67.9	-56.5	0.00	0.00	0.00
5,800.0	3.44	312.14	5,797.2	65.5	-72.4	-60.2	0.00	0.00	0.00
5,900.0	3.44	312.14	5,897.0	69.5	-76.8	-63.9	0.00	0.00	0.00
6,000.0	3.44	312.14	5,996.8	73.5	-81.3	-67.6	0.00	0.00	0.00
6,100.0	3.44	312.14	6,096.6	77.5	-85.7	-71.3	0.00	0.00	0.00
6,200.0	3.44	312.14	6,196.5	81.6	-90.1	-75.0	0.00	0.00	0.00
6,300.0	3.44	312.14	6,296.3	85.6	-94.6	-78.7	0.00	0.00	0.00
6,400.0	3.44	312.14	6,396.1	89.6	-99.0	-82.4	0.00	0.00	0.00
6,500.0	3.44	312.14	6,495.9	93.6	-103.5	-86.1	0.00	0.00	0.00
6,600.0	3.44	312.14	6,595.7	97.7	-107.9	-89.8	0.00	0.00	0.00
6,700.0	3.44	312.14	6,695.6	101.7	-112.4	-93.5	0.00	0.00	0.00
6,800.0	3.44	312.14	6,795.4	105.7	-116.8	-97.2	0.00	0.00	0.00
6,900.0	3.44	312.14	6,895.2	109.7	-121.3	-100.9	0.00	0.00	0.00
7,000.0	3.44	312.14	6,995.0	113.7	-125.7	-104.6	0.00	0.00	0.00
7,100.0	3.44	312.14	7,094.8	117.8	-130.1	-108.3	0.00	0.00	0.00
7,200.0	3.44	312.14	7,194.7	121.8	-134.6	-112.0	0.00	0.00	0.00
7,300.0	3.44	312.14	7,294.5	125.8	-139.0	-115.7	0.00	0.00	0.00
7,400.0	3.44	312.14	7,394.3	129.8	-143.5	-119.4	0.00	0.00	0.00
7,500.0	3.44	312.14	7,494.1	133.8	-147.9	-123.1	0.00	0.00	0.00
7,600.0	3.44	312.14	7,593.9	137.9	-152.4	-126.8	0.00	0.00	0.00
7,700.0	3.44	312.14	7,693.8	141.9	-156.8	-130.5	0.00	0.00	0.00
7,800.0	3.44	312.14	7,793.6	145.9	-161.3	-134.2	0.00	0.00	0.00
7,900.0	3.44	312.14	7,893.4	149.9	-165.7	-137.9	0.00	0.00	0.00
8,000.0	3.44	312.14	7,993.2	154.0	-170.2	-141.6	0.00	0.00	0.00
8,100.0	3.44	312.14	8,093.0	158.0	-174.6	-145.3	0.00	0.00	0.00
8,200.0	3.44	312.14	8,192.9	162.0	-179.0	-149.0	0.00	0.00	0.00
8,300.0	3.44	312.14	8,292.7	166.0	-183.5	-152.7	0.00	0.00	0.00
8,400.0	3.44	312.14	8,392.5	170.0	-187.9	-156.4	0.00	0.00	0.00
8,500.0	3.44	312.14	8,492.3	174.1	-192.4	-160.1	0.00	0.00	0.00
8,600.0	3.44	312.14	8,592.1	178.1	-196.8	-163.8	0.00	0.00	0.00
8,700.0	3.44	312.14	8,692.0	182.1	-201.3	-167.5	0.00	0.00	0.00
8,800.0	3.44	312.14	8,791.8	186.1	-205.7	-171.2	0.00	0.00	0.00
8,900.0	3.44	312.14	8,891.6	190.2	-210.2	-174.9	0.00	0.00	0.00
9,000.0	3.44	312.14	8,991.4	194.2	-214.6	-178.6	0.00	0.00	0.00
9,100.0	3.44	312.14	9,091.2	198.2	-219.0	-182.3	0.00	0.00	0.00
9,200.0	3.44	312.14	9,191.1	202.2	-223.5	-186.0	0.00	0.00	0.00
9,300.0	3.44	312.14	9,290.9	206.2	-227.9	-189.7	0.00	0.00	0.00
9,400.0	3.44	312.14	9,390.7	210.3	-232.4	-193.4	0.00	0.00	0.00
9,500.0	3.44	312.14	9,490.5	214.3	-236.8	-197.1	0.00	0.00	0.00
9,600.0	3.44	312.14	9,590.3	218.3	-241.3	-200.8	0.00	0.00	0.00
9,700.0	3.44	312.14	9,690.2	222.3	-245.7	-204.5	0.00	0.00	0.00
9,800.0	3.44	312.14	9,790.0	226.3	-250.2	-208.2	0.00	0.00	0.00
9,900.0	3.44	312.14	9,889.8	230.4	-254.6	-211.9	0.00	0.00	0.00
10,000.0	3.44	312.14	9,989.6	234.4	-259.0	-215.6	0.00	0.00	0.00
10,100.0	3.44	312.14	10,089.4	238.4	-263.5	-219.3	0.00	0.00	0.00
10,200.0	3.44	312.14	10,189.3	242.4	-267.9	-223.0	0.00	0.00	0.00
10,300.0	3.44	312.14	10,289.1	246.5	-272.4	-226.7	0.00	0.00	0.00
10,400.0	3.44	312.14	10,388.9	250.5	-276.8	-230.4	0.00	0.00	0.00
10,500.0	3.44	312.14	10,488.7	254.5	-281.3	-234.1	0.00	0.00	0.00
10,600.0	3.44	312.14	10,588.5	258.5	-285.7	-237.8	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Magnolia 15
Well: #701H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25' @ 3320.0usft
MD Reference: KB = 25' @ 3320.0usft
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	3.44	312.14	10,688.4	262.5	-290.2	-241.5	0.00	0.00	0.00
10,800.0	3.44	312.14	10,788.2	266.6	-294.6	-245.2	0.00	0.00	0.00
10,900.0	3.44	312.14	10,888.0	270.6	-299.0	-248.9	0.00	0.00	0.00
11,000.0	3.44	312.14	10,987.8	274.6	-303.5	-252.6	0.00	0.00	0.00
11,100.0	3.44	312.14	11,087.6	278.6	-307.9	-256.3	0.00	0.00	0.00
11,200.0	3.44	312.14	11,187.5	282.6	-312.4	-260.0	0.00	0.00	0.00
11,300.0	3.44	312.14	11,287.3	286.7	-316.8	-263.7	0.00	0.00	0.00
11,400.0	3.44	312.14	11,387.1	290.7	-321.3	-267.4	0.00	0.00	0.00
11,500.0	3.44	312.14	11,486.9	294.7	-325.7	-271.1	0.00	0.00	0.00
11,600.0	3.44	312.14	11,586.7	298.7	-330.2	-274.8	0.00	0.00	0.00
11,700.0	3.44	312.14	11,686.6	302.8	-334.6	-278.5	0.00	0.00	0.00
11,800.0	3.44	312.14	11,786.4	306.8	-339.0	-282.2	0.00	0.00	0.00
11,907.5	3.44	312.14	11,893.7	311.1	-343.8	-286.2	0.00	0.00	0.00
11,925.0	2.54	274.55	11,911.2	311.5	-344.6	-286.5	12.00	-5.10	-214.46
11,950.0	3.76	221.89	11,936.1	310.9	-345.7	-285.9	12.00	4.87	-210.63
11,975.0	6.31	203.18	11,961.0	309.0	-346.8	-283.9	12.00	10.19	-74.88
12,000.0	9.14	195.56	11,985.8	305.9	-347.9	-280.7	12.00	11.31	-30.47
12,025.0	12.05	191.55	12,010.4	301.4	-348.9	-276.2	12.00	11.64	-16.01
12,050.0	14.99	189.10	12,034.7	295.7	-350.0	-270.4	12.00	11.78	-9.82
12,075.0	17.95	187.44	12,058.7	288.6	-351.0	-263.3	12.00	11.85	-6.65
12,100.0	20.93	186.23	12,082.2	280.4	-351.9	-255.0	12.00	11.89	-4.81
12,125.0	23.91	185.32	12,105.3	270.9	-352.9	-245.4	12.00	11.92	-3.66
12,150.0	26.89	184.59	12,127.9	260.2	-353.8	-234.7	12.00	11.94	-2.89
12,175.0	29.88	184.01	12,149.9	248.4	-354.7	-222.8	12.00	11.95	-2.35
12,200.0	32.87	183.52	12,171.3	235.4	-355.6	-209.8	12.00	11.96	-1.96
12,225.0	35.86	183.10	12,191.9	221.3	-356.4	-195.7	12.00	11.96	-1.67
12,250.0	38.85	182.74	12,211.8	206.1	-357.1	-180.6	12.00	11.97	-1.44
12,275.0	41.84	182.42	12,230.8	190.0	-357.9	-164.4	12.00	11.97	-1.27
12,300.0	44.84	182.14	12,249.0	172.8	-358.6	-147.2	12.00	11.98	-1.13
12,325.0	47.83	181.89	12,266.3	154.8	-359.2	-129.2	12.00	11.98	-1.01
12,350.0	50.83	181.66	12,282.5	135.8	-359.8	-110.2	12.00	11.98	-0.92
12,375.0	53.82	181.44	12,297.8	116.0	-360.3	-90.5	12.00	11.98	-0.85
12,400.0	56.82	181.25	12,312.0	95.5	-360.8	-69.9	12.00	11.98	-0.78
12,425.0	59.81	181.06	12,325.2	74.2	-361.2	-48.7	12.00	11.98	-0.73
12,450.0	62.81	180.89	12,337.2	52.3	-361.6	-26.8	12.00	11.98	-0.69
12,475.0	65.81	180.73	12,348.0	29.8	-361.9	-4.3	12.00	11.99	-0.65
12,488.2	67.39	180.65	12,353.3	17.6	-362.1	7.8	12.00	11.99	-0.63
FTP (Magnolia 15 #701H)									
12,500.0	68.80	180.57	12,357.7	6.7	-362.2	18.7	12.00	11.99	-0.62
12,525.0	71.80	180.42	12,366.1	-16.8	-362.4	42.2	12.00	11.99	-0.60
12,550.0	74.80	180.28	12,373.3	-40.8	-362.5	66.1	12.00	11.99	-0.58
12,575.0	77.79	180.14	12,379.2	-65.1	-362.6	90.3	12.00	11.99	-0.56
12,600.0	80.79	180.00	12,383.8	-89.6	-362.6	114.9	12.00	11.99	-0.55
12,625.0	83.79	179.87	12,387.2	-114.4	-362.6	139.6	12.00	11.99	-0.54
12,650.0	86.78	179.73	12,389.2	-139.3	-362.5	164.4	12.00	11.99	-0.53
12,676.8	90.00	179.59	12,390.0	-166.1	-362.4	191.1	12.00	11.99	-0.53
12,700.0	90.00	179.59	12,390.0	-189.3	-362.2	214.2	0.00	0.00	0.00
12,800.0	90.00	179.59	12,390.0	-289.3	-361.5	313.9	0.00	0.00	0.00
12,900.0	90.00	179.59	12,390.0	-389.3	-360.8	413.6	0.00	0.00	0.00
13,000.0	90.00	179.59	12,390.0	-489.3	-360.1	513.3	0.00	0.00	0.00
13,100.0	90.00	179.59	12,390.0	-589.3	-359.3	613.0	0.00	0.00	0.00
13,200.0	90.00	179.59	12,390.0	-689.3	-358.6	712.7	0.00	0.00	0.00
13,300.0	90.00	179.59	12,390.0	-789.3	-357.9	812.4	0.00	0.00	0.00



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Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
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MD Reference:
North Reference:
Survey Calculation Method:
Well #701H
KB = 25' @ 3320.0usft
KB = 25' @ 3320.0usft
Grid
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	179.59	12,390.0	-889.3	-357.2	912.1	0.00	0.00	0.00
13,500.0	90.00	179.59	12,390.0	-889.3	-356.5	1,011.8	0.00	0.00	0.00
13,600.0	90.00	179.59	12,390.0	-1,089.3	-355.8	1,111.5	0.00	0.00	0.00
13,700.0	90.00	179.59	12,390.0	-1,189.3	-355.0	1,211.2	0.00	0.00	0.00
13,800.0	90.00	179.59	12,390.0	-1,289.3	-354.3	1,310.9	0.00	0.00	0.00
13,900.0	90.00	179.59	12,390.0	-1,389.3	-353.6	1,410.6	0.00	0.00	0.00
14,000.0	90.00	179.59	12,390.0	-1,489.3	-352.9	1,510.4	0.00	0.00	0.00
14,100.0	90.00	179.59	12,390.0	-1,589.2	-352.2	1,610.1	0.00	0.00	0.00
14,200.0	90.00	179.59	12,390.0	-1,689.2	-351.5	1,709.8	0.00	0.00	0.00
14,300.0	90.00	179.59	12,390.0	-1,789.2	-350.8	1,809.5	0.00	0.00	0.00
14,400.0	90.00	179.59	12,390.0	-1,889.2	-350.0	1,909.2	0.00	0.00	0.00
14,500.0	90.00	179.59	12,390.0	-1,989.2	-349.3	2,008.9	0.00	0.00	0.00
14,600.0	90.00	179.59	12,390.0	-2,089.2	-348.6	2,108.6	0.00	0.00	0.00
14,700.0	90.00	179.59	12,390.0	-2,189.2	-347.9	2,208.3	0.00	0.00	0.00
14,800.0	90.00	179.59	12,390.0	-2,289.2	-347.2	2,308.0	0.00	0.00	0.00
14,900.0	90.00	179.59	12,390.0	-2,389.2	-346.5	2,407.7	0.00	0.00	0.00
15,000.0	90.00	179.59	12,390.0	-2,489.2	-345.7	2,507.4	0.00	0.00	0.00
15,100.0	90.00	179.59	12,390.0	-2,589.2	-345.0	2,607.1	0.00	0.00	0.00
15,200.0	90.00	179.59	12,390.0	-2,689.2	-344.3	2,706.8	0.00	0.00	0.00
15,300.0	90.00	179.59	12,390.0	-2,789.2	-343.6	2,806.5	0.00	0.00	0.00
15,400.0	90.00	179.59	12,390.0	-2,889.2	-342.9	2,906.2	0.00	0.00	0.00
15,500.0	90.00	179.59	12,390.0	-2,989.2	-342.2	3,005.9	0.00	0.00	0.00
15,600.0	90.00	179.59	12,390.0	-3,089.2	-341.4	3,105.6	0.00	0.00	0.00
15,700.0	90.00	179.59	12,390.0	-3,189.2	-340.7	3,205.3	0.00	0.00	0.00
15,800.0	90.00	179.59	12,390.0	-3,289.2	-340.0	3,305.0	0.00	0.00	0.00
15,900.0	90.00	179.59	12,390.0	-3,389.2	-339.3	3,404.7	0.00	0.00	0.00
16,000.0	90.00	179.59	12,390.0	-3,489.2	-338.6	3,504.4	0.00	0.00	0.00
16,100.0	90.00	179.59	12,390.0	-3,589.2	-337.9	3,604.1	0.00	0.00	0.00
16,200.0	90.00	179.59	12,390.0	-3,689.2	-337.2	3,703.8	0.00	0.00	0.00
16,300.0	90.00	179.59	12,390.0	-3,789.2	-336.4	3,803.5	0.00	0.00	0.00
16,400.0	90.00	179.59	12,390.0	-3,889.2	-335.7	3,903.2	0.00	0.00	0.00
16,500.0	90.00	179.59	12,390.0	-3,989.2	-335.0	4,002.9	0.00	0.00	0.00
16,600.0	90.00	179.59	12,390.0	-4,089.2	-334.3	4,102.6	0.00	0.00	0.00
16,700.0	90.00	179.59	12,390.0	-4,189.2	-333.6	4,202.3	0.00	0.00	0.00
16,800.0	90.00	179.59	12,390.0	-4,289.2	-332.9	4,302.0	0.00	0.00	0.00
16,900.0	90.00	179.59	12,390.0	-4,389.2	-332.1	4,401.7	0.00	0.00	0.00
17,000.0	90.00	179.59	12,390.0	-4,489.2	-331.4	4,501.4	0.00	0.00	0.00
17,100.0	90.00	179.59	12,390.0	-4,589.2	-330.7	4,601.1	0.00	0.00	0.00
17,199.8	90.00	179.59	12,390.0	-4,689.0	-330.0	4,700.6	0.00	0.00	0.00
PBHL (Magnolia 15 #701H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (Magnolia 15 #701H) - plan hits target center - Point	0.00	0.00	12,390.0	-4,689.0	-330.0	377,930.00	737,410.00	32° 2' 12.226 N	103° 34' 1.870 W
FTP (Magnolia 15 #701H) - plan misses target center by 39.8usft at 12488.2usft MD (12353.3 TVD, 17.6 N, -362.1 E) - Point	0.00	0.00	12,390.0	33.0	-363.0	382,652.00	737,377.00	32° 2' 58.956 N	103° 34' 1.864 W



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