

HOBBS OCD

MAK 052018

RECEIVED



Lea County, NM (NAD 83 NME)

Magnolia 15 #741H

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

WELL DETAILS: #741H

KB = 25 @ 3311.0usft
Northing 378022.90 Easting 778760.90
32° 2' 13.011 N 103° 34' 1.609 W
3286.0

SECTION DETAILS

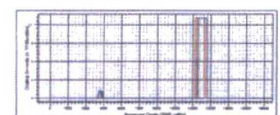
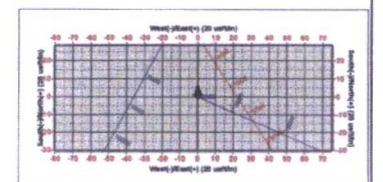
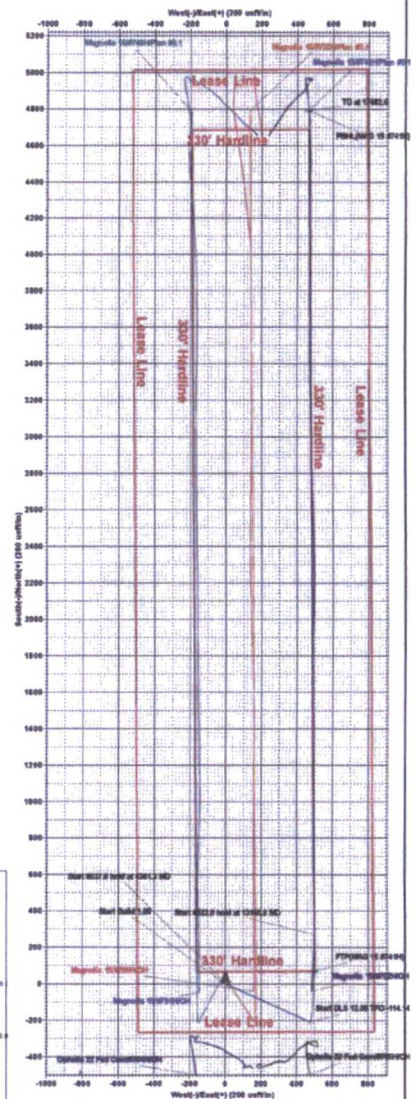
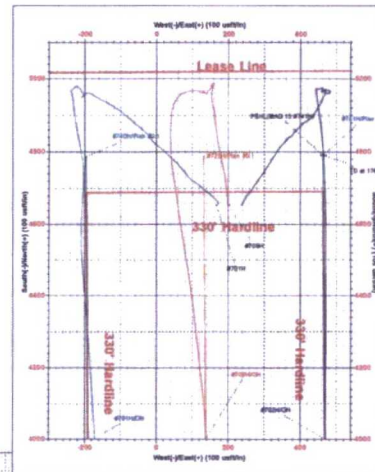
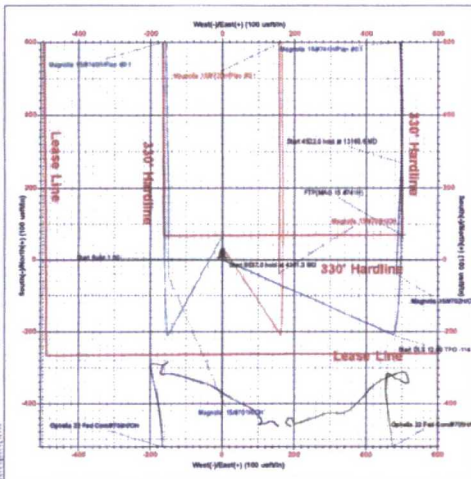
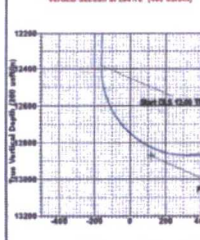
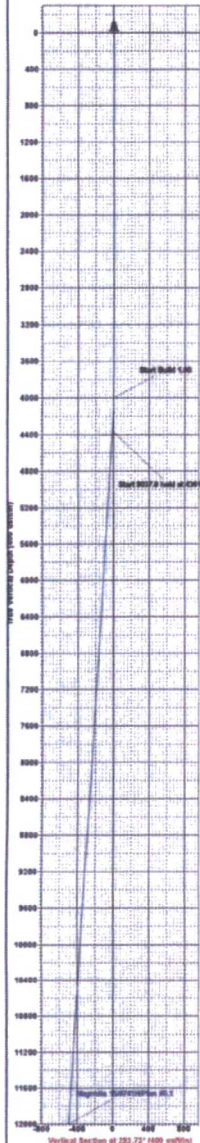
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Deg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4361.3	3.61	113.73	4361.0	-4.6	10.4	1.00	113.73	-3.6	
4	12386.2	3.61	113.73	12382.0	-206.4	474.0	0.00	0.00	-161.6	
5	13160.6	90.00	359.55	12871.0	269.1	498.4	12.00	-114.14	315.8	
6	17682.8	90.00	359.55	12871.0	4791.0	463.0	0.00	0.00	4813.3	PBHL(MAG 15 #741H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
FTP(MAG 15 #741H)	12871.0	89.0	800.0	378081.00	779280.00
PBHL(MAG 15 #741H)	12871.0	4791.0	463.0	382813.00	779223.00



Vertical Section at 0.00° (200 offsets)



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Magnolia 15

#741H

OH

Plan: Plan #0.1

Standard Planning Report

01 March, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #741H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3311.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3311.0usft
Site:	Magnolia 15	North Reference:	Grid
Well:	#741H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Magnolia 15		
Site Position:		Northing:	378,055.00 usft
From:	Map	Easting:	778,760.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 13.337 N
		Longitude:	103° 34' 1.656 W
		Grid Convergence:	0.41 °

Well	#741H		
Well Position	+N/-S	-33.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	3/1/2018	6.86
			Dip Angle
			(°)
			Field Strength
			(nT)
			47,756.09059001

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			5.52

Plan Survey Tool Program	Date 3/1/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	17,682.6 Plan #0.1 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
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	
4,361.3	3.61	113.73	4,361.0	-4.6	10.4	1.00	1.00	0.00	113.73	
12,398.2	3.61	113.73	12,382.0	-208.4	474.0	0.00	0.00	0.00	0.00	
13,160.6	90.00	359.55	12,871.0	269.1	498.4	12.00	11.33	-14.98	-114.14	
17,682.6	90.00	359.55	12,871.0	4,791.0	463.0	0.00	0.00	0.00	0.00	PBHL(MAG 15 #741H)



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Magnolia 15
 Well: #741H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #741H
 TVD Reference: KB = 25 @ 3311.0usft
 MD Reference: KB = 25 @ 3311.0usft
 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	113.73	4,100.0	-0.4	0.8	-0.3	1.00	1.00	0.00
4,200.0	2.00	113.73	4,200.0	-1.4	3.2	-1.1	1.00	1.00	0.00
4,300.0	3.00	113.73	4,299.9	-3.2	7.2	-2.5	1.00	1.00	0.00
4,361.3	3.61	113.73	4,361.0	-4.6	10.4	-3.6	1.00	1.00	0.00
4,400.0	3.61	113.73	4,399.7	-5.6	12.7	-4.3	0.00	0.00	0.00
4,500.0	3.61	113.73	4,499.5	-8.1	18.4	-6.3	0.00	0.00	0.00
4,600.0	3.61	113.73	4,599.3	-10.6	24.2	-8.3	0.00	0.00	0.00
4,700.0	3.61	113.73	4,699.1	-13.2	30.0	-10.2	0.00	0.00	0.00
4,800.0	3.61	113.73	4,798.9	-15.7	35.7	-12.2	0.00	0.00	0.00
4,900.0	3.61	113.73	4,898.7	-18.2	41.5	-14.2	0.00	0.00	0.00
5,000.0	3.61	113.73	4,998.5	-20.8	47.3	-16.1	0.00	0.00	0.00
5,100.0	3.61	113.73	5,098.3	-23.3	53.0	-18.1	0.00	0.00	0.00
5,200.0	3.61	113.73	5,198.1	-25.8	58.8	-20.1	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Magnolia 15
Well: #741H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #741H
TVD Reference: KB = 25 @ 3311.0usft
MD Reference: KB = 25 @ 3311.0usft
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	3.61	113.73	5,297.9	-28.4	64.6	-22.0	0.00	0.00	0.00
5,400.0	3.61	113.73	5,397.7	-30.9	70.3	-24.0	0.00	0.00	0.00
5,500.0	3.61	113.73	5,497.5	-33.5	76.1	-26.0	0.00	0.00	0.00
5,600.0	3.61	113.73	5,597.3	-36.0	81.9	-27.9	0.00	0.00	0.00
5,700.0	3.61	113.73	5,697.1	-38.5	87.6	-29.9	0.00	0.00	0.00
5,800.0	3.61	113.73	5,796.9	-41.1	93.4	-31.9	0.00	0.00	0.00
5,900.0	3.61	113.73	5,896.7	-43.6	99.2	-33.9	0.00	0.00	0.00
6,000.0	3.61	113.73	5,996.5	-46.1	104.9	-35.8	0.00	0.00	0.00
6,100.0	3.61	113.73	6,096.3	-48.7	110.7	-37.8	0.00	0.00	0.00
6,200.0	3.61	113.73	6,196.1	-51.2	116.5	-39.8	0.00	0.00	0.00
6,300.0	3.61	113.73	6,295.9	-53.7	122.3	-41.7	0.00	0.00	0.00
6,400.0	3.61	113.73	6,395.7	-56.3	128.0	-43.7	0.00	0.00	0.00
6,500.0	3.61	113.73	6,495.5	-58.8	133.8	-45.7	0.00	0.00	0.00
6,600.0	3.61	113.73	6,595.3	-61.3	139.6	-47.6	0.00	0.00	0.00
6,700.0	3.61	113.73	6,695.1	-63.9	145.3	-49.6	0.00	0.00	0.00
6,800.0	3.61	113.73	6,794.9	-66.4	151.1	-51.6	0.00	0.00	0.00
6,900.0	3.61	113.73	6,894.7	-69.0	156.9	-53.5	0.00	0.00	0.00
7,000.0	3.61	113.73	6,994.5	-71.5	162.6	-55.5	0.00	0.00	0.00
7,100.0	3.61	113.73	7,094.3	-74.0	168.4	-57.5	0.00	0.00	0.00
7,200.0	3.61	113.73	7,194.1	-76.6	174.2	-59.5	0.00	0.00	0.00
7,300.0	3.61	113.73	7,293.9	-79.1	179.9	-61.4	0.00	0.00	0.00
7,400.0	3.61	113.73	7,393.7	-81.6	185.7	-63.4	0.00	0.00	0.00
7,500.0	3.61	113.73	7,493.5	-84.2	191.5	-65.4	0.00	0.00	0.00
7,600.0	3.61	113.73	7,593.3	-86.7	197.2	-67.3	0.00	0.00	0.00
7,700.0	3.61	113.73	7,693.1	-89.2	203.0	-69.3	0.00	0.00	0.00
7,800.0	3.61	113.73	7,792.9	-91.8	208.8	-71.3	0.00	0.00	0.00
7,900.0	3.61	113.73	7,892.7	-94.3	214.5	-73.2	0.00	0.00	0.00
8,000.0	3.61	113.73	7,992.5	-96.8	220.3	-75.2	0.00	0.00	0.00
8,100.0	3.61	113.73	8,092.3	-99.4	226.1	-77.2	0.00	0.00	0.00
8,200.0	3.61	113.73	8,192.1	-101.9	231.8	-79.1	0.00	0.00	0.00
8,300.0	3.61	113.73	8,291.9	-104.5	237.6	-81.1	0.00	0.00	0.00
8,400.0	3.61	113.73	8,391.7	-107.0	243.4	-83.1	0.00	0.00	0.00
8,500.0	3.61	113.73	8,491.5	-109.5	249.2	-85.0	0.00	0.00	0.00
8,600.0	3.61	113.73	8,591.3	-112.1	254.9	-87.0	0.00	0.00	0.00
8,700.0	3.61	113.73	8,691.1	-114.6	260.7	-89.0	0.00	0.00	0.00
8,800.0	3.61	113.73	8,790.9	-117.1	266.5	-91.0	0.00	0.00	0.00
8,900.0	3.61	113.73	8,890.7	-119.7	272.2	-92.9	0.00	0.00	0.00
9,000.0	3.61	113.73	8,990.5	-122.2	278.0	-94.9	0.00	0.00	0.00
9,100.0	3.61	113.73	9,090.3	-124.7	283.8	-96.9	0.00	0.00	0.00
9,200.0	3.61	113.73	9,190.1	-127.3	289.5	-98.8	0.00	0.00	0.00
9,300.0	3.61	113.73	9,289.9	-129.8	295.3	-100.8	0.00	0.00	0.00
9,400.0	3.61	113.73	9,389.7	-132.3	301.1	-102.8	0.00	0.00	0.00
9,500.0	3.61	113.73	9,489.5	-134.9	306.8	-104.7	0.00	0.00	0.00
9,600.0	3.61	113.73	9,589.4	-137.4	312.6	-106.7	0.00	0.00	0.00
9,700.0	3.61	113.73	9,689.2	-140.0	318.4	-108.7	0.00	0.00	0.00
9,800.0	3.61	113.73	9,789.0	-142.5	324.1	-110.6	0.00	0.00	0.00
9,900.0	3.61	113.73	9,888.8	-145.0	329.9	-112.6	0.00	0.00	0.00
10,000.0	3.61	113.73	9,988.6	-147.6	335.7	-114.6	0.00	0.00	0.00
10,100.0	3.61	113.73	10,088.4	-150.1	341.4	-116.6	0.00	0.00	0.00
10,200.0	3.61	113.73	10,188.2	-152.6	347.2	-118.5	0.00	0.00	0.00
10,300.0	3.61	113.73	10,288.0	-155.2	353.0	-120.5	0.00	0.00	0.00
10,400.0	3.61	113.73	10,387.8	-157.7	358.7	-122.5	0.00	0.00	0.00
10,500.0	3.61	113.73	10,487.6	-160.2	364.5	-124.4	0.00	0.00	0.00
10,600.0	3.61	113.73	10,587.4	-162.8	370.3	-126.4	0.00	0.00	0.00



Planning Report

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Project: Lea County, NM (NAD 83 NME)
Site: Magnolia 15
Well: #741H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #741H
TVD Reference: KB = 25 @ 3311.0usft
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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	3.61	113.73	10,687.2	-165.3	376.1	-128.4	0.00	0.00	0.00
10,800.0	3.61	113.73	10,787.0	-167.8	381.8	-130.3	0.00	0.00	0.00
10,900.0	3.61	113.73	10,886.8	-170.4	387.6	-132.3	0.00	0.00	0.00
11,000.0	3.61	113.73	10,986.6	-172.9	393.4	-134.3	0.00	0.00	0.00
11,100.0	3.61	113.73	11,086.4	-175.4	399.1	-136.2	0.00	0.00	0.00
11,200.0	3.61	113.73	11,186.2	-178.0	404.9	-138.2	0.00	0.00	0.00
11,300.0	3.61	113.73	11,286.0	-180.5	410.7	-140.2	0.00	0.00	0.00
11,400.0	3.61	113.73	11,385.8	-183.1	416.4	-142.2	0.00	0.00	0.00
11,500.0	3.61	113.73	11,485.6	-185.6	422.2	-144.1	0.00	0.00	0.00
11,600.0	3.61	113.73	11,585.4	-188.1	428.0	-146.1	0.00	0.00	0.00
11,700.0	3.61	113.73	11,685.2	-190.7	433.7	-148.1	0.00	0.00	0.00
11,800.0	3.61	113.73	11,785.0	-193.2	439.5	-150.0	0.00	0.00	0.00
11,900.0	3.61	113.73	11,884.8	-195.7	445.3	-152.0	0.00	0.00	0.00
12,000.0	3.61	113.73	11,984.6	-198.3	451.0	-154.0	0.00	0.00	0.00
12,100.0	3.61	113.73	12,084.4	-200.8	456.8	-155.9	0.00	0.00	0.00
12,200.0	3.61	113.73	12,184.2	-203.3	462.6	-157.9	0.00	0.00	0.00
12,300.0	3.61	113.73	12,284.0	-205.9	468.3	-159.9	0.00	0.00	0.00
12,398.2	3.61	113.73	12,382.0	-208.4	474.0	-161.8	0.00	0.00	0.00
12,400.0	3.53	110.59	12,383.8	-208.4	474.1	-161.8	12.00	-4.61	-177.89
12,425.0	3.72	61.79	12,408.7	-208.3	475.5	-161.6	12.00	0.77	-195.16
12,450.0	5.77	34.33	12,433.7	-206.9	477.0	-160.0	12.00	8.17	-109.86
12,475.0	8.40	22.50	12,458.5	-204.2	478.4	-157.2	12.00	10.55	-47.32
12,500.0	11.22	16.43	12,483.1	-200.1	479.8	-153.1	12.00	11.28	-24.30
12,525.0	14.12	12.79	12,507.5	-194.8	481.1	-147.6	12.00	11.57	-14.54
12,550.0	17.05	10.38	12,531.6	-188.2	482.5	-141.0	12.00	11.72	-9.65
12,575.0	20.00	8.66	12,555.3	-180.4	483.8	-133.0	12.00	11.80	-6.88
12,600.0	22.96	7.37	12,578.5	-171.3	485.0	-123.9	12.00	11.85	-5.17
12,625.0	25.93	6.35	12,601.3	-161.1	486.3	-113.6	12.00	11.88	-4.04
12,650.0	28.91	5.54	12,623.5	-149.6	487.5	-102.0	12.00	11.91	-3.26
12,675.0	31.89	4.86	12,645.0	-137.0	488.6	-89.4	12.00	11.92	-2.70
12,700.0	34.87	4.29	12,665.9	-123.3	489.7	-75.6	12.00	11.93	-2.28
12,725.0	37.86	3.80	12,686.0	-108.5	490.7	-60.8	12.00	11.94	-1.97
12,750.0	40.84	3.37	12,705.4	-92.7	491.7	-45.0	12.00	11.95	-1.72
12,775.0	43.83	2.99	12,723.9	-75.9	492.7	-28.2	12.00	11.96	-1.52
12,800.0	46.82	2.65	12,741.4	-58.2	493.5	-10.4	12.00	11.96	-1.37
12,825.0	49.81	2.34	12,758.0	-39.5	494.3	8.2	12.00	11.96	-1.24
12,850.0	52.81	2.06	12,773.7	-20.0	495.1	27.7	12.00	11.97	-1.13
12,875.0	55.80	1.79	12,788.3	0.3	495.8	48.0	12.00	11.97	-1.05
12,900.0	58.79	1.55	12,801.8	21.3	496.4	69.0	12.00	11.97	-0.98
12,925.0	61.78	1.32	12,814.2	43.0	496.9	90.6	12.00	11.97	-0.92
12,950.0	64.78	1.11	12,825.4	65.3	497.4	112.9	12.00	11.98	-0.87
12,971.7	67.38	0.93	12,834.2	85.2	497.8	132.7	12.00	11.98	-0.83
FTP(MAG 15 #741H)									
12,975.0	67.77	0.90	12,835.5	88.2	497.8	135.7	12.00	11.98	-0.81
13,000.0	70.77	0.70	12,844.3	111.6	498.1	159.0	12.00	11.98	-0.79
13,025.0	73.76	0.51	12,851.9	135.4	498.4	182.7	12.00	11.98	-0.76
13,050.0	76.76	0.33	12,858.3	159.6	498.6	206.8	12.00	11.98	-0.74
13,075.0	79.75	0.15	12,863.4	184.0	498.7	231.2	12.00	11.98	-0.72
13,100.0	82.75	359.97	12,867.2	208.8	498.7	255.8	12.00	11.98	-0.71
13,125.0	85.74	359.80	12,869.7	233.6	498.6	280.5	12.00	11.98	-0.70
13,150.0	88.74	359.62	12,870.9	258.6	498.5	305.3	12.00	11.98	-0.69
13,160.6	90.00	359.55	12,871.0	269.1	498.4	315.8	12.00	11.98	-0.69
13,200.0	90.00	359.55	12,871.0	308.6	498.1	355.1	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Magnolia 15
Well: #741H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #741H
TVD Reference: KB = 25 @ 3311.0usft
MD Reference: KB = 25 @ 3311.0usft
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)
13,300.0	90.00	359.55	12,871.0	408.6	497.3	454.5	0.00	0.00	0.00
13,400.0	90.00	359.55	12,871.0	508.6	496.6	554.0	0.00	0.00	0.00
13,500.0	90.00	359.55	12,871.0	608.6	495.8	653.4	0.00	0.00	0.00
13,600.0	90.00	359.55	12,871.0	708.6	495.0	752.9	0.00	0.00	0.00
13,700.0	90.00	359.55	12,871.0	808.6	494.2	852.4	0.00	0.00	0.00
13,800.0	90.00	359.55	12,871.0	908.6	493.4	951.8	0.00	0.00	0.00
13,900.0	90.00	359.55	12,871.0	1,008.6	492.6	1,051.3	0.00	0.00	0.00
14,000.0	90.00	359.55	12,871.0	1,108.6	491.9	1,150.7	0.00	0.00	0.00
14,100.0	90.00	359.55	12,871.0	1,208.6	491.1	1,250.2	0.00	0.00	0.00
14,200.0	90.00	359.55	12,871.0	1,308.6	490.3	1,349.6	0.00	0.00	0.00
14,300.0	90.00	359.55	12,871.0	1,408.6	489.5	1,449.1	0.00	0.00	0.00
14,400.0	90.00	359.55	12,871.0	1,508.5	488.7	1,548.6	0.00	0.00	0.00
14,500.0	90.00	359.55	12,871.0	1,608.5	487.9	1,648.0	0.00	0.00	0.00
14,600.0	90.00	359.55	12,871.0	1,708.5	487.2	1,747.5	0.00	0.00	0.00
14,700.0	90.00	359.55	12,871.0	1,808.5	486.4	1,846.9	0.00	0.00	0.00
14,800.0	90.00	359.55	12,871.0	1,908.5	485.6	1,946.4	0.00	0.00	0.00
14,900.0	90.00	359.55	12,871.0	2,008.5	484.8	2,045.9	0.00	0.00	0.00
15,000.0	90.00	359.55	12,871.0	2,108.5	484.0	2,145.3	0.00	0.00	0.00
15,100.0	90.00	359.55	12,871.0	2,208.5	483.2	2,244.8	0.00	0.00	0.00
15,200.0	90.00	359.55	12,871.0	2,308.5	482.5	2,344.2	0.00	0.00	0.00
15,300.0	90.00	359.55	12,871.0	2,408.5	481.7	2,443.7	0.00	0.00	0.00
15,400.0	90.00	359.55	12,871.0	2,508.5	480.9	2,543.1	0.00	0.00	0.00
15,500.0	90.00	359.55	12,871.0	2,608.5	480.1	2,642.6	0.00	0.00	0.00
15,600.0	90.00	359.55	12,871.0	2,708.5	479.3	2,742.1	0.00	0.00	0.00
15,700.0	90.00	359.55	12,871.0	2,808.5	478.5	2,841.5	0.00	0.00	0.00
15,800.0	90.00	359.55	12,871.0	2,908.5	477.8	2,941.0	0.00	0.00	0.00
15,900.0	90.00	359.55	12,871.0	3,008.5	477.0	3,040.4	0.00	0.00	0.00
16,000.0	90.00	359.55	12,871.0	3,108.5	476.2	3,139.9	0.00	0.00	0.00
16,100.0	90.00	359.55	12,871.0	3,208.5	475.4	3,239.3	0.00	0.00	0.00
16,200.0	90.00	359.55	12,871.0	3,308.5	474.6	3,338.8	0.00	0.00	0.00
16,300.0	90.00	359.55	12,871.0	3,408.5	473.8	3,438.3	0.00	0.00	0.00
16,400.0	90.00	359.55	12,871.0	3,508.5	473.0	3,537.7	0.00	0.00	0.00
16,500.0	90.00	359.55	12,871.0	3,608.5	472.3	3,637.2	0.00	0.00	0.00
16,600.0	90.00	359.55	12,871.0	3,708.5	471.5	3,736.6	0.00	0.00	0.00
16,700.0	90.00	359.55	12,871.0	3,808.5	470.7	3,836.1	0.00	0.00	0.00
16,800.0	90.00	359.55	12,871.0	3,908.5	469.9	3,935.6	0.00	0.00	0.00
16,900.0	90.00	359.55	12,871.0	4,008.5	469.1	4,035.0	0.00	0.00	0.00
17,000.0	90.00	359.55	12,871.0	4,108.5	468.3	4,134.5	0.00	0.00	0.00
17,100.0	90.00	359.55	12,871.0	4,208.5	467.6	4,233.9	0.00	0.00	0.00
17,200.0	90.00	359.55	12,871.0	4,308.5	466.8	4,333.4	0.00	0.00	0.00
17,300.0	90.00	359.55	12,871.0	4,408.5	466.0	4,432.8	0.00	0.00	0.00
17,400.0	90.00	359.55	12,871.0	4,508.5	465.2	4,532.3	0.00	0.00	0.00
17,500.0	90.00	359.55	12,871.0	4,608.5	464.4	4,631.8	0.00	0.00	0.00
17,600.0	90.00	359.55	12,871.0	4,708.5	463.6	4,731.2	0.00	0.00	0.00
17,682.6	90.00	359.55	12,871.0	4,791.0	463.0	4,813.3	0.00	0.00	0.00

PBHL(MAG 15 #741H)



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Magnolia 15
Well: #741H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #741H
TVD Reference: KB = 25 @ 3311.0usft
MD Reference: KB = 25 @ 3311.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
FTP(MAG 15 #741H) - plan misses target center by 40.3usft at 12971.7usft MD (12834.2 TVD, 85.2 N, 497.8 E) - Point	0.00	0.00	12,871.0	69.0	500.0	378,091.00	779,260.00	32° 2' 13.658 N	103° 33' 55.845 W
PBHL(MAG 15 #741H) - plan hits target center - Point	0.00	0.00	12,871.0	4,791.0	463.0	382,813.00	779,223.00	32° 3' 0.387 N	103° 33' 55.884 W