

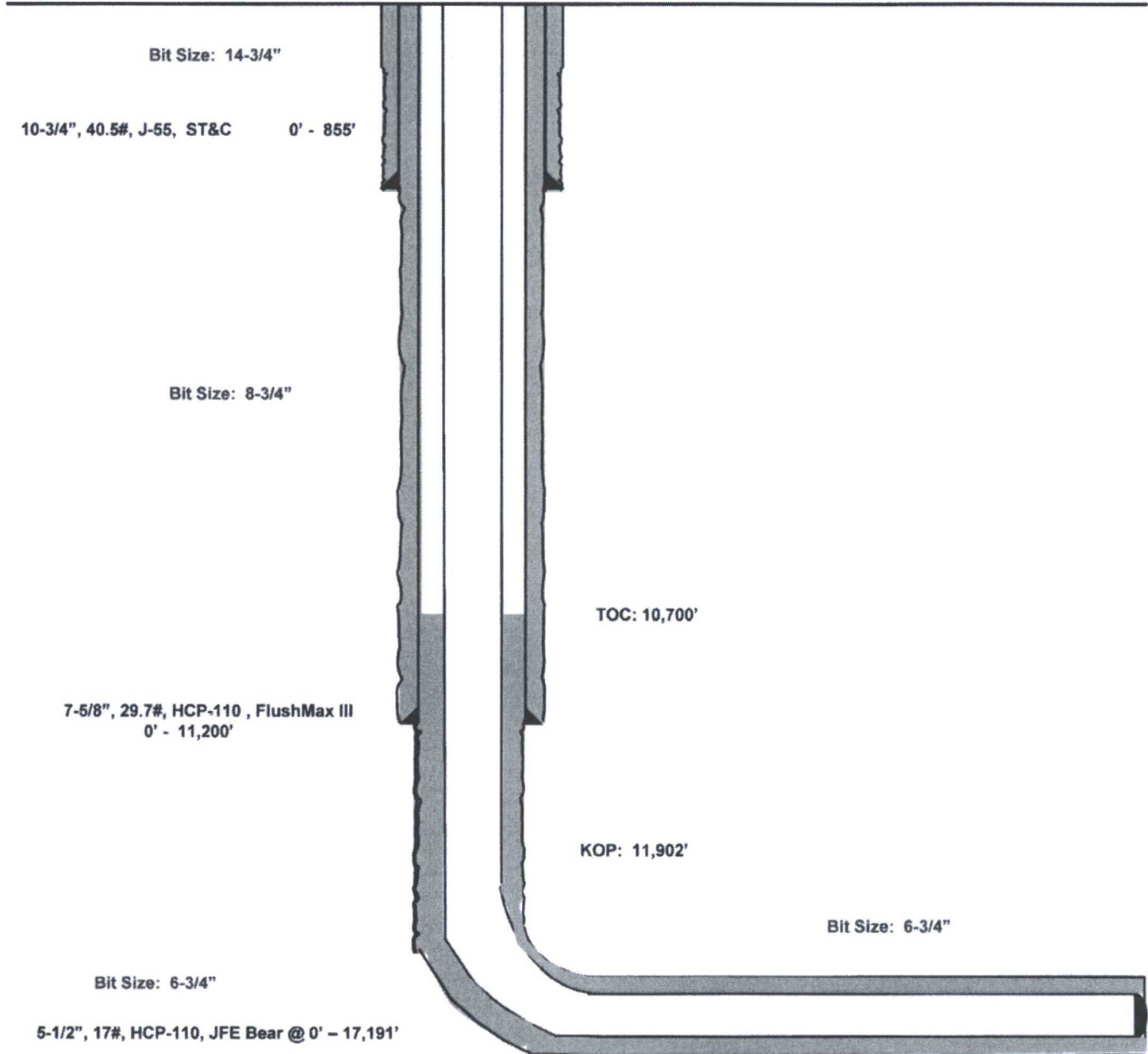
Magnolia 15 #702H

**Lea County, New Mexico
Proposed Wellbore**

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

API: 30-025-*****

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



Lateral: 17,191' MD, 12,390' TVD

**BH Location: 230' FSL & 992' FWL
Section 15
T-26-S, R-33-E**



Lea County, NM (NAD 27 NME)

Magnolia 15 #702H

Plan #0.1



Azimuths to Grid North
True North: 0.01°
Magnetic North: 8.88°
Magnetic Field
Strength: 47878.1nT
Dip Angle: 69.91°
Date: 1/18/2017
Model: IGRF 2015

To convert a Magnetic Direction to a Grid Direction, Add 8.88°
To convert a Magnetic Direction to a True Direction, Add 6.88° East
To convert a True Direction to a Grid Direction, Subtract 0.01°

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

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

WELL DETAILS: #702H

Ground Level: 3298.6
GS = 25' @ 3300.0usft
Northing: 382620.00
Easting: 737810.00
Latitude: 32° 2' 58.909 N
Longitude: 103° 35' 58.836 W

SECTION DETAILS

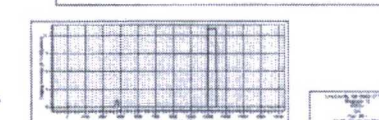
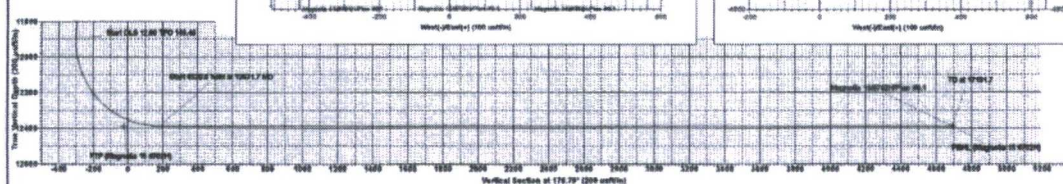
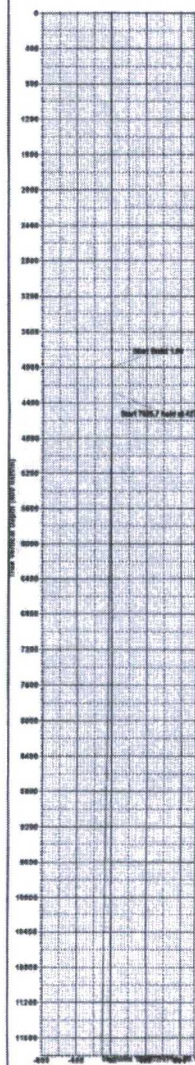
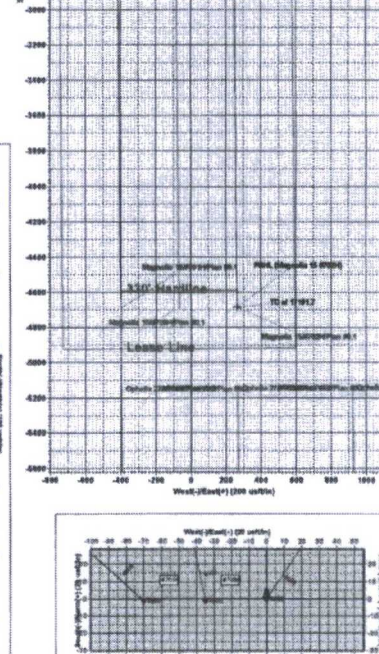
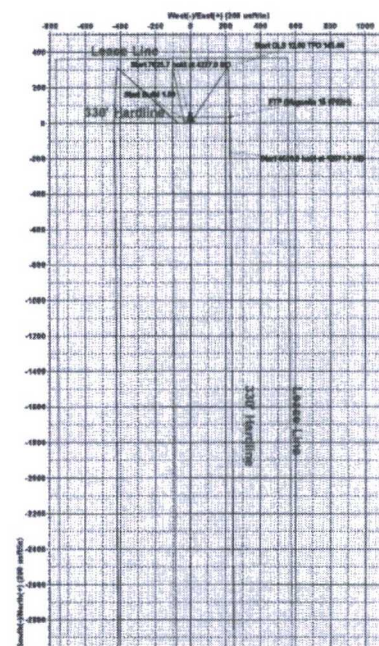
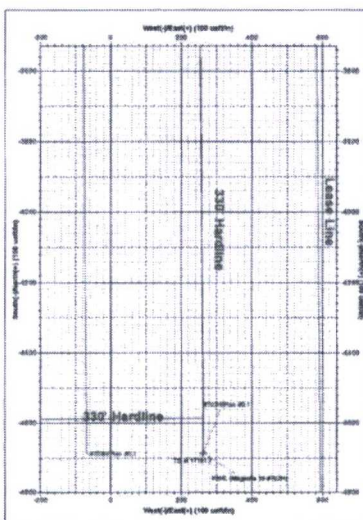
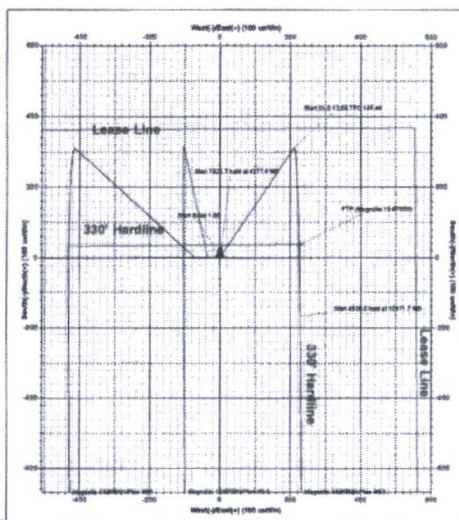
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSeet	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4277.0	2.77	34.06	4276.9	5.9	3.7	1.00	34.06	-5.3	
4	11902.7	2.77	34.06	11893.7	310.8	210.1	0.00	0.00	-298.6	
5	12671.7	90.00	179.55	12390.0	-166.1	227.5	12.00	145.46	178.6	
6	17191.7	90.00	179.55	12390.0	-4686.0	263.0	0.00	0.00	4693.4	PSHL (Magnolia 15 #702H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name: PTP (Magnolia 15 #702H)
TVD: 12390.0
+N-S: 38.0
+E-W: 228.0
Northing: 382620.00
Easting: 738038.00
Name: PSHL (Magnolia 15 #702H)
TVD: 12390.0
+N-S: -4686.0
+E-W: 263.0
Northing: 377934.00
Easting: 738073.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Magnolia 15

#702H

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 #702H
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:	#702H	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
From:	Map	Easting:	737,740.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 58.604 N
		Longitude:	103° 33' 57.649 W
		Grid Convergence:	0.41 °

Well	#702H		
Well Position	+N/-S	1.0 usft	Northing: 382,620.00 usft
	+E/-W	70.0 usft	Easting: 737,810.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 2' 58.609 N
		Longitude:	103° 33' 56.836 W
		Ground Level:	3,295.0 usft

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

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
			(°)
			176.79

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	
4,277.0	2.77	34.06	4,276.9	5.5	3.7	1.00	1.00	0.00	34.06	
11,902.7	2.77	34.06	11,893.7	310.8	210.1	0.00	0.00	0.00	0.00	
12,671.7	90.00	179.55	12,390.0	-166.1	227.5	12.00	11.34	18.92	145.46	
17,191.7	90.00	179.55	12,390.0	-4,686.0	263.0	0.00	0.00	0.00	0.00	PBHL (Magnolia 15 #)



EOG Resources, Inc.
Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #702H
Company:	EOG Resources - Midland	TYD 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:	#702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	34.06	4,100.0	0.7	0.5	-0.7	1.00	1.00	0.00
4,200.0	2.00	34.06	4,200.0	2.9	2.0	-2.8	1.00	1.00	0.00
4,277.0	2.77	34.06	4,276.9	5.5	3.7	-5.3	1.00	1.00	0.00
4,300.0	2.77	34.06	4,299.9	6.5	4.4	-6.2	0.00	0.00	0.00
4,400.0	2.77	34.06	4,399.7	10.5	7.1	-10.1	0.00	0.00	0.00
4,500.0	2.77	34.06	4,499.6	14.5	9.8	-13.9	0.00	0.00	0.00
4,600.0	2.77	34.06	4,599.5	18.5	12.5	-17.7	0.00	0.00	0.00
4,700.0	2.77	34.06	4,699.4	22.5	15.2	-21.6	0.00	0.00	0.00
4,800.0	2.77	34.06	4,799.3	26.5	17.9	-25.4	0.00	0.00	0.00
4,900.0	2.77	34.06	4,899.2	30.5	20.6	-29.3	0.00	0.00	0.00
5,000.0	2.77	34.06	4,999.0	34.5	23.3	-33.1	0.00	0.00	0.00
5,100.0	2.77	34.06	5,098.9	38.5	26.0	-37.0	0.00	0.00	0.00
5,200.0	2.77	34.06	5,198.8	42.5	28.7	-40.8	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: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #702H
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	2.77	34.06	5,298.7	46.5	31.4	-44.7	0.00	0.00	0.00
5,400.0	2.77	34.06	5,398.6	50.5	34.1	-48.5	0.00	0.00	0.00
5,500.0	2.77	34.06	5,498.5	54.5	36.9	-52.4	0.00	0.00	0.00
5,600.0	2.77	34.06	5,598.3	58.5	39.6	-56.2	0.00	0.00	0.00
5,700.0	2.77	34.06	5,698.2	62.5	42.3	-60.0	0.00	0.00	0.00
5,800.0	2.77	34.06	5,798.1	66.5	45.0	-63.9	0.00	0.00	0.00
5,900.0	2.77	34.06	5,898.0	70.5	47.7	-67.7	0.00	0.00	0.00
6,000.0	2.77	34.06	5,997.9	74.5	50.4	-71.6	0.00	0.00	0.00
6,100.0	2.77	34.06	6,097.8	78.5	53.1	-75.4	0.00	0.00	0.00
6,200.0	2.77	34.06	6,197.6	82.5	55.8	-79.3	0.00	0.00	0.00
6,300.0	2.77	34.06	6,297.5	86.5	58.5	-83.1	0.00	0.00	0.00
6,400.0	2.77	34.06	6,397.4	90.5	61.2	-87.0	0.00	0.00	0.00
6,500.0	2.77	34.06	6,497.3	94.5	63.9	-90.8	0.00	0.00	0.00
6,600.0	2.77	34.06	6,597.2	98.5	66.6	-94.7	0.00	0.00	0.00
6,700.0	2.77	34.06	6,697.1	102.5	69.3	-98.5	0.00	0.00	0.00
6,800.0	2.77	34.06	6,796.9	106.5	72.0	-102.3	0.00	0.00	0.00
6,900.0	2.77	34.06	6,896.8	110.6	74.7	-106.2	0.00	0.00	0.00
7,000.0	2.77	34.06	6,996.7	114.6	77.5	-110.0	0.00	0.00	0.00
7,100.0	2.77	34.06	7,096.6	118.6	80.2	-113.9	0.00	0.00	0.00
7,200.0	2.77	34.06	7,196.5	122.6	82.9	-117.7	0.00	0.00	0.00
7,300.0	2.77	34.06	7,296.4	126.6	85.6	-121.6	0.00	0.00	0.00
7,400.0	2.77	34.06	7,396.2	130.6	88.3	-125.4	0.00	0.00	0.00
7,500.0	2.77	34.06	7,496.1	134.6	91.0	-129.3	0.00	0.00	0.00
7,600.0	2.77	34.06	7,596.0	138.6	93.7	-133.1	0.00	0.00	0.00
7,700.0	2.77	34.06	7,695.9	142.6	96.4	-137.0	0.00	0.00	0.00
7,800.0	2.77	34.06	7,795.8	146.6	99.1	-140.8	0.00	0.00	0.00
7,900.0	2.77	34.06	7,895.7	150.6	101.8	-144.6	0.00	0.00	0.00
8,000.0	2.77	34.06	7,995.5	154.6	104.5	-148.5	0.00	0.00	0.00
8,100.0	2.77	34.06	8,095.4	158.6	107.2	-152.3	0.00	0.00	0.00
8,200.0	2.77	34.06	8,195.3	162.6	109.9	-156.2	0.00	0.00	0.00
8,300.0	2.77	34.06	8,295.2	166.6	112.6	-160.0	0.00	0.00	0.00
8,400.0	2.77	34.06	8,395.1	170.6	115.3	-163.9	0.00	0.00	0.00
8,500.0	2.77	34.06	8,495.0	174.6	118.1	-167.7	0.00	0.00	0.00
8,600.0	2.77	34.06	8,594.8	178.6	120.8	-171.6	0.00	0.00	0.00
8,700.0	2.77	34.06	8,694.7	182.6	123.5	-175.4	0.00	0.00	0.00
8,800.0	2.77	34.06	8,794.6	186.6	126.2	-179.3	0.00	0.00	0.00
8,900.0	2.77	34.06	8,894.5	190.6	128.9	-183.1	0.00	0.00	0.00
9,000.0	2.77	34.06	8,994.4	194.6	131.6	-186.9	0.00	0.00	0.00
9,100.0	2.77	34.06	9,094.3	198.6	134.3	-190.8	0.00	0.00	0.00
9,200.0	2.77	34.06	9,194.1	202.6	137.0	-194.6	0.00	0.00	0.00
9,300.0	2.77	34.06	9,294.0	206.6	139.7	-198.5	0.00	0.00	0.00
9,400.0	2.77	34.06	9,393.9	210.6	142.4	-202.3	0.00	0.00	0.00
9,500.0	2.77	34.06	9,493.8	214.6	145.1	-206.2	0.00	0.00	0.00
9,600.0	2.77	34.06	9,593.7	218.6	147.8	-210.0	0.00	0.00	0.00
9,700.0	2.77	34.06	9,693.6	222.6	150.5	-213.9	0.00	0.00	0.00
9,800.0	2.77	34.06	9,793.4	226.6	153.2	-217.7	0.00	0.00	0.00
9,900.0	2.77	34.06	9,893.3	230.7	155.9	-221.5	0.00	0.00	0.00
10,000.0	2.77	34.06	9,993.2	234.7	158.6	-225.4	0.00	0.00	0.00
10,100.0	2.77	34.06	10,093.1	238.7	161.4	-229.2	0.00	0.00	0.00
10,200.0	2.77	34.06	10,193.0	242.7	164.1	-233.1	0.00	0.00	0.00
10,300.0	2.77	34.06	10,292.9	246.7	166.8	-236.9	0.00	0.00	0.00
10,400.0	2.77	34.06	10,392.7	250.7	169.5	-240.8	0.00	0.00	0.00
10,500.0	2.77	34.06	10,492.6	254.7	172.2	-244.6	0.00	0.00	0.00
10,600.0	2.77	34.06	10,592.5	258.7	174.9	-248.5	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: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well #702H
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)
10,700.0	2.77	34.06	10,892.4	262.7	177.6	-252.3	0.00	0.00	0.00
10,800.0	2.77	34.06	10,792.3	266.7	180.3	-256.2	0.00	0.00	0.00
10,900.0	2.77	34.06	10,892.2	270.7	183.0	-260.0	0.00	0.00	0.00
11,000.0	2.77	34.06	10,992.0	274.7	185.7	-263.8	0.00	0.00	0.00
11,100.0	2.77	34.06	11,091.9	278.7	188.4	-267.7	0.00	0.00	0.00
11,200.0	2.77	34.06	11,191.8	282.7	191.1	-271.5	0.00	0.00	0.00
11,300.0	2.77	34.06	11,291.7	286.7	193.8	-275.4	0.00	0.00	0.00
11,400.0	2.77	34.06	11,391.6	290.7	196.5	-279.2	0.00	0.00	0.00
11,500.0	2.77	34.06	11,491.5	294.7	199.2	-283.1	0.00	0.00	0.00
11,600.0	2.77	34.06	11,591.3	298.7	202.0	-286.9	0.00	0.00	0.00
11,700.0	2.77	34.06	11,691.2	302.7	204.7	-290.8	0.00	0.00	0.00
11,800.0	2.77	34.06	11,791.1	306.7	207.4	-294.6	0.00	0.00	0.00
11,902.7	2.77	34.06	11,893.7	310.8	210.1	-298.6	0.00	0.00	0.00
11,925.0	1.62	103.53	11,916.0	311.2	210.8	-298.9	12.00	-5.17	311.87
11,950.0	3.74	154.73	11,940.9	310.4	211.4	-298.0	12.00	8.47	204.81
11,975.0	6.58	165.80	11,965.8	308.3	212.1	-295.9	12.00	11.38	44.29
12,000.0	9.52	170.14	11,990.6	304.8	212.9	-292.4	12.00	11.76	17.36
12,025.0	12.49	172.44	12,015.1	300.1	213.6	-287.7	12.00	11.87	9.19
12,050.0	15.47	173.87	12,039.4	294.1	214.3	-281.6	12.00	11.92	5.70
12,075.0	18.46	174.84	12,063.3	286.9	215.0	-274.4	12.00	11.95	3.89
12,100.0	21.45	175.55	12,086.8	278.4	215.7	-265.8	12.00	11.96	2.84
12,125.0	24.44	176.09	12,109.8	268.6	216.4	-256.1	12.00	11.97	2.17
12,150.0	27.43	176.52	12,132.3	257.7	217.1	-245.2	12.00	11.98	1.72
12,175.0	30.43	176.87	12,154.2	245.7	217.8	-233.1	12.00	11.98	1.41
12,200.0	33.42	177.17	12,175.4	232.5	218.5	-219.8	12.00	11.98	1.18
12,225.0	36.42	177.42	12,195.9	218.2	219.2	-205.5	12.00	11.99	1.01
12,250.0	39.42	177.64	12,215.6	202.8	219.8	-190.2	12.00	11.99	0.87
12,275.0	42.41	177.83	12,234.5	186.5	220.5	-173.8	12.00	11.99	0.77
12,300.0	45.41	178.00	12,252.5	169.1	221.1	-156.5	12.00	11.99	0.68
12,325.0	48.41	178.16	12,269.6	150.9	221.7	-138.2	12.00	11.99	0.62
12,350.0	51.41	178.30	12,285.7	131.8	222.3	-119.1	12.00	11.99	0.56
12,375.0	54.41	178.43	12,300.8	111.8	222.9	-99.2	12.00	11.99	0.52
12,400.0	57.40	178.55	12,314.8	91.1	223.4	-78.5	12.00	11.99	0.48
12,425.0	60.40	178.66	12,327.7	69.7	223.9	-57.1	12.00	11.99	0.45
12,450.0	63.40	178.76	12,339.4	47.7	224.4	-35.0	12.00	11.99	0.42
12,475.0	66.40	178.86	12,350.1	25.1	224.9	-12.4	12.00	11.99	0.40
12,479.9	66.99	178.88	12,352.0	20.5	225.0	-7.9	12.00	11.99	0.39
FTP (Magnolia 15 #702H)									
12,500.0	69.40	178.96	12,359.5	1.9	225.3	10.7	12.00	11.99	0.38
12,525.0	72.40	179.05	12,367.6	-21.7	225.8	34.3	12.00	11.99	0.37
12,550.0	75.40	179.14	12,374.6	-45.7	226.1	58.3	12.00	12.00	0.36
12,575.0	78.40	179.23	12,380.2	-70.1	226.5	82.6	12.00	12.00	0.35
12,600.0	81.39	179.31	12,384.6	-94.7	226.8	107.2	12.00	12.00	0.34
12,625.0	84.39	179.40	12,387.7	-119.5	227.1	132.0	12.00	12.00	0.33
12,650.0	87.39	179.48	12,389.5	-144.4	227.3	156.9	12.00	12.00	0.33
12,671.7	90.00	179.55	12,390.0	-166.1	227.5	178.6	12.00	12.00	0.33
12,700.0	90.00	179.55	12,390.0	-194.4	227.7	206.9	0.00	0.00	0.00
12,800.0	90.00	179.55	12,390.0	-294.4	228.5	306.7	0.00	0.00	0.00
12,900.0	90.00	179.55	12,390.0	-394.4	229.3	406.6	0.00	0.00	0.00
13,000.0	90.00	179.55	12,390.0	-494.4	230.1	506.5	0.00	0.00	0.00
13,100.0	90.00	179.55	12,390.0	-594.4	230.9	606.4	0.00	0.00	0.00
13,200.0	90.00	179.55	12,390.0	-694.4	231.6	706.3	0.00	0.00	0.00
13,300.0	90.00	179.55	12,390.0	-794.4	232.4	806.2	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: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
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)
13,400.0	90.00	179.55	12,390.0	-894.4	233.2	906.0	0.00	0.00	0.00
13,500.0	90.00	179.55	12,390.0	-894.4	234.0	1,005.9	0.00	0.00	0.00
13,600.0	90.00	179.55	12,390.0	-1,094.4	234.8	1,105.8	0.00	0.00	0.00
13,700.0	90.00	179.55	12,390.0	-1,194.4	235.6	1,205.7	0.00	0.00	0.00
13,800.0	90.00	179.55	12,390.0	-1,294.4	236.4	1,305.6	0.00	0.00	0.00
13,900.0	90.00	179.55	12,390.0	-1,394.4	237.1	1,405.5	0.00	0.00	0.00
14,000.0	90.00	179.55	12,390.0	-1,494.4	237.9	1,505.3	0.00	0.00	0.00
14,100.0	90.00	179.55	12,390.0	-1,594.4	238.7	1,605.2	0.00	0.00	0.00
14,200.0	90.00	179.55	12,390.0	-1,694.3	239.5	1,705.1	0.00	0.00	0.00
14,300.0	90.00	179.55	12,390.0	-1,794.3	240.3	1,805.0	0.00	0.00	0.00
14,400.0	90.00	179.55	12,390.0	-1,894.3	241.1	1,904.9	0.00	0.00	0.00
14,500.0	90.00	179.55	12,390.0	-1,994.3	241.9	2,004.8	0.00	0.00	0.00
14,600.0	90.00	179.55	12,390.0	-2,094.3	242.6	2,104.6	0.00	0.00	0.00
14,700.0	90.00	179.55	12,390.0	-2,194.3	243.4	2,204.5	0.00	0.00	0.00
14,800.0	90.00	179.55	12,390.0	-2,294.3	244.2	2,304.4	0.00	0.00	0.00
14,900.0	90.00	179.55	12,390.0	-2,394.3	245.0	2,404.3	0.00	0.00	0.00
15,000.0	90.00	179.55	12,390.0	-2,494.3	245.8	2,504.2	0.00	0.00	0.00
15,100.0	90.00	179.55	12,390.0	-2,594.3	246.6	2,604.1	0.00	0.00	0.00
15,200.0	90.00	179.55	12,390.0	-2,694.3	247.4	2,703.9	0.00	0.00	0.00
15,300.0	90.00	179.55	12,390.0	-2,794.3	248.1	2,803.8	0.00	0.00	0.00
15,400.0	90.00	179.55	12,390.0	-2,894.3	248.9	2,903.7	0.00	0.00	0.00
15,500.0	90.00	179.55	12,390.0	-2,994.3	249.7	3,003.6	0.00	0.00	0.00
15,600.0	90.00	179.55	12,390.0	-3,094.3	250.5	3,103.5	0.00	0.00	0.00
15,700.0	90.00	179.55	12,390.0	-3,194.3	251.3	3,203.4	0.00	0.00	0.00
15,800.0	90.00	179.55	12,390.0	-3,294.3	252.1	3,303.2	0.00	0.00	0.00
15,900.0	90.00	179.55	12,390.0	-3,394.3	252.9	3,403.1	0.00	0.00	0.00
16,000.0	90.00	179.55	12,390.0	-3,494.3	253.6	3,503.0	0.00	0.00	0.00
16,100.0	90.00	179.55	12,390.0	-3,594.3	254.4	3,602.9	0.00	0.00	0.00
16,200.0	90.00	179.55	12,390.0	-3,694.3	255.2	3,702.8	0.00	0.00	0.00
16,300.0	90.00	179.55	12,390.0	-3,794.3	256.0	3,802.7	0.00	0.00	0.00
16,400.0	90.00	179.55	12,390.0	-3,894.3	256.8	3,902.6	0.00	0.00	0.00
16,500.0	90.00	179.55	12,390.0	-3,994.3	257.6	4,002.4	0.00	0.00	0.00
16,600.0	90.00	179.55	12,390.0	-4,094.3	258.4	4,102.3	0.00	0.00	0.00
16,700.0	90.00	179.55	12,390.0	-4,194.3	259.1	4,202.2	0.00	0.00	0.00
16,800.0	90.00	179.55	12,390.0	-4,294.3	259.9	4,302.1	0.00	0.00	0.00
16,900.0	90.00	179.55	12,390.0	-4,394.3	260.7	4,402.0	0.00	0.00	0.00
17,000.0	90.00	179.55	12,390.0	-4,494.3	261.5	4,501.9	0.00	0.00	0.00
17,100.0	90.00	179.55	12,390.0	-4,594.3	262.3	4,601.7	0.00	0.00	0.00
17,191.7	90.00	179.55	12,390.0	-4,686.0	263.0	4,693.4	0.00	0.00	0.00

PBHL (Magnolia 15 #702H)

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 (Magnolia 15 #70: plan hits target center - Point)	0.00	0.00	12,390.0	-4,686.0	263.0	377,934.00	738,073.00	32° 2' 12.219 N	103° 33' 54.167 W
FTP (Magnolia 15 #702: plan misses target center by 41.0usft at 12479.9usft MD (12352.0 TVD, 20.5 N, 225.0 E) - Point)	0.00	0.00	12,390.0	36.0	226.0	382,656.00	738,036.00	32° 2' 58.949 N	103° 33' 54.207 W



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Planning Report

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Site: Magnolia 15
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3320.0usft
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