



Plan #0.1

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

KB = 25' @ 3634.0usft		3609.0
Northing	Easting	Latitude
446794.00	780823.00	32° 13' 33.442 N
		103° 33' 41.262 W

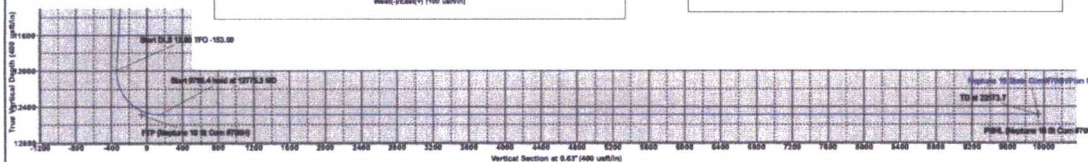
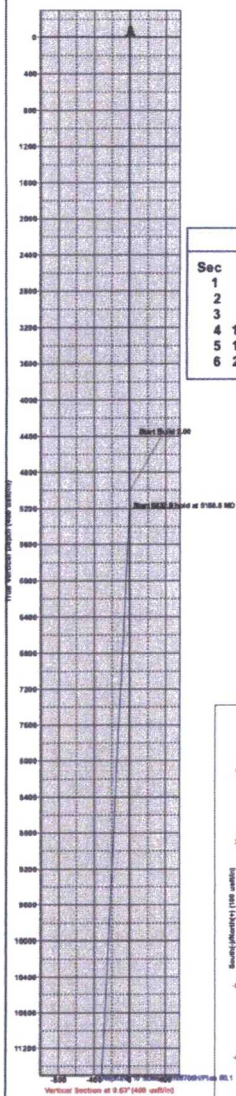
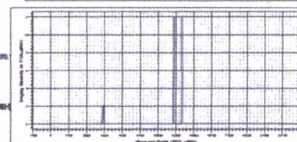
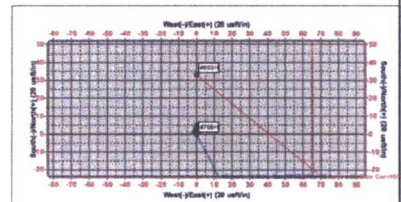
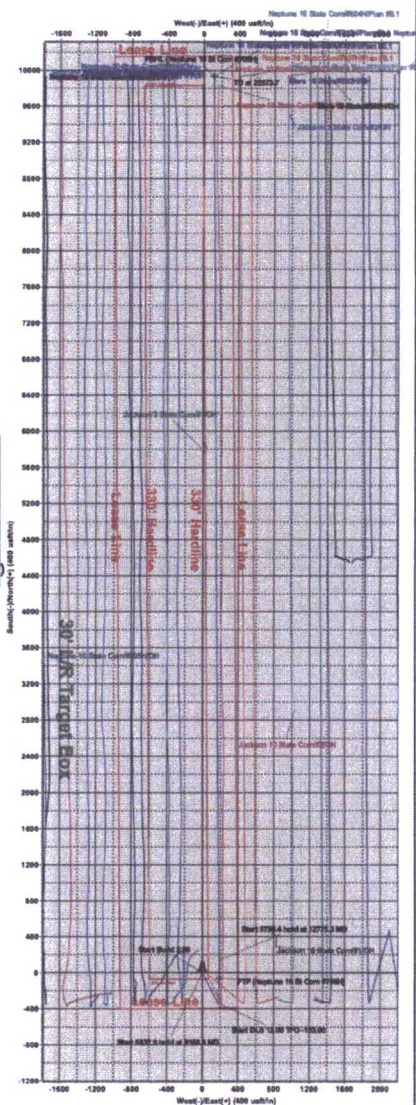
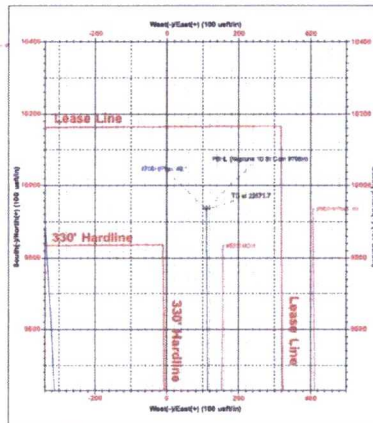
Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.47°
Magnetic Field
Strength: 47872.2nT
Dip Angle: 60.06°
Date: 2/9/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 8.47°
To convert a Magnetic Direction to a True Direction, Add 6.88° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5010.0	0.00	0.00	5010.0	0.0	0.0	0.00	0.00	0.0	
3	5168.8	3.18	152.60	5168.8	-3.9	2.0	2.00	152.60	-3.9	
4	12001.7	3.18	152.60	11991.1	-340.1	176.3	0.00	0.00	-338.1	
5	12775.3	90.00	359.56	12492.0	136.9	185.2	12.00	-153.00	138.9	
6	22573.7	90.00	359.56	12492.0	9935.0	110.0	0.00	0.00	9935.6	PBHL (Neptune 10 St Com #706H)

No casing data is available

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Neptune 10 St Com #706H)	12492.0	-83.0	188.0	446731.00	780211.00
PBHL (Neptune 10 St Com #706H)	12492.0	9935.0	110.0	456729.00	780133.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Neptune 10 State Com

#706H

OH

Plan: Plan #0.1

Standard Planning Report

12 February, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
TVD Reference: KB = 25' @ 3634.0usft
MD Reference: KB = 25' @ 3634.0usft
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	Neptune 10 State Com		
Site Position:		Northing:	446,557.00 usft
From:	Map	Easting:	778,964.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 13' 31.172 N
		Longitude:	103° 33' 53.609 W
		Grid Convergence:	0.41 °

Well	#706H		
Well Position	+N/-S	237.0 usft	Northing: 446,794.00 usft
	+E/-W	1,059.0 usft	Easting: 780,023.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,609.0 usft
		Latitude:	32° 13' 33.442 N
		Longitude:	103° 33' 41.262 W
		Ground Level:	3,609.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	2/9/2018	(°)
			6.88
			Dip Angle
			(°)
			60.06
			Field Strength
			(nT)
			47,872.23078496

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
			(°)
			0.63

Plan Survey Tool Program	Date 2/12/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	22,573.7 Plan #0.1 (OH)	MWD
			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	
5,010.0	0.00	0.00	5,010.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,168.8	3.18	152.60	5,168.8	-3.9	2.0	2.00	2.00	0.00	152.60	
12,001.7	3.18	152.60	11,991.1	-340.1	176.3	0.00	0.00	0.00	0.00	
12,775.3	90.00	359.56	12,492.0	136.9	185.2	12.00	11.22	-19.78	-153.00	
22,573.7	90.00	359.56	12,492.0	9,935.0	110.0	0.00	0.00	0.00	0.00	PBHL (Neptune 10 St



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Neptune 10 State Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25' @ 3634.0usft
 MD Reference: KB = 25' @ 3634.0usft
 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	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,010.0	0.00	0.00	5,010.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	1.80	152.60	5,100.0	-1.3	0.7	-1.2	2.00	2.00	0.00
5,168.8	3.18	152.60	5,168.8	-3.9	2.0	-3.9	2.00	2.00	0.00
5,200.0	3.18	152.60	5,199.9	-5.4	2.8	-5.4	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3634.0usft
MD Reference: KB = 25' @ 3634.0usft
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	3.18	152.60	5,299.7	-10.4	5.4	-10.3	0.00	0.00	0.00
5,400.0	3.18	152.60	5,399.6	-15.3	7.9	-15.2	0.00	0.00	0.00
5,500.0	3.18	152.60	5,499.4	-20.2	10.5	-20.1	0.00	0.00	0.00
5,600.0	3.18	152.60	5,599.3	-25.1	13.0	-25.0	0.00	0.00	0.00
5,700.0	3.18	152.60	5,699.1	-30.0	15.6	-29.9	0.00	0.00	0.00
5,800.0	3.18	152.60	5,798.9	-35.0	18.1	-34.8	0.00	0.00	0.00
5,900.0	3.18	152.60	5,898.8	-39.9	20.7	-39.6	0.00	0.00	0.00
6,000.0	3.18	152.60	5,998.6	-44.8	23.2	-44.5	0.00	0.00	0.00
6,100.0	3.18	152.60	6,098.5	-49.7	25.8	-49.4	0.00	0.00	0.00
6,200.0	3.18	152.60	6,198.3	-54.6	28.3	-54.3	0.00	0.00	0.00
6,300.0	3.18	152.60	6,298.2	-59.6	30.9	-59.2	0.00	0.00	0.00
6,400.0	3.18	152.60	6,398.0	-64.5	33.4	-64.1	0.00	0.00	0.00
6,500.0	3.18	152.60	6,497.9	-69.4	36.0	-69.0	0.00	0.00	0.00
6,600.0	3.18	152.60	6,597.7	-74.3	38.5	-73.9	0.00	0.00	0.00
6,700.0	3.18	152.60	6,697.6	-79.2	41.1	-78.8	0.00	0.00	0.00
6,800.0	3.18	152.60	6,797.4	-84.2	43.6	-83.7	0.00	0.00	0.00
6,900.0	3.18	152.60	6,897.3	-89.1	46.2	-88.6	0.00	0.00	0.00
7,000.0	3.18	152.60	6,997.1	-94.0	48.7	-93.5	0.00	0.00	0.00
7,100.0	3.18	152.60	7,097.0	-98.9	51.3	-98.3	0.00	0.00	0.00
7,200.0	3.18	152.60	7,196.8	-103.8	53.8	-103.2	0.00	0.00	0.00
7,300.0	3.18	152.60	7,296.6	-108.8	56.4	-108.1	0.00	0.00	0.00
7,400.0	3.18	152.60	7,396.5	-113.7	58.9	-113.0	0.00	0.00	0.00
7,500.0	3.18	152.60	7,496.3	-118.6	61.5	-117.9	0.00	0.00	0.00
7,600.0	3.18	152.60	7,596.2	-123.5	64.0	-122.8	0.00	0.00	0.00
7,700.0	3.18	152.60	7,696.0	-128.4	66.6	-127.7	0.00	0.00	0.00
7,800.0	3.18	152.60	7,795.9	-133.4	69.1	-132.6	0.00	0.00	0.00
7,900.0	3.18	152.60	7,895.7	-138.3	71.7	-137.5	0.00	0.00	0.00
8,000.0	3.18	152.60	7,995.6	-143.2	74.2	-142.4	0.00	0.00	0.00
8,100.0	3.18	152.60	8,095.4	-148.1	76.8	-147.3	0.00	0.00	0.00
8,200.0	3.18	152.60	8,195.3	-153.0	79.3	-152.1	0.00	0.00	0.00
8,300.0	3.18	152.60	8,295.1	-158.0	81.9	-157.0	0.00	0.00	0.00
8,400.0	3.18	152.60	8,395.0	-162.9	84.4	-161.9	0.00	0.00	0.00
8,500.0	3.18	152.60	8,494.8	-167.8	87.0	-166.8	0.00	0.00	0.00
8,600.0	3.18	152.60	8,594.6	-172.7	89.5	-171.7	0.00	0.00	0.00
8,700.0	3.18	152.60	8,694.5	-177.6	92.1	-176.6	0.00	0.00	0.00
8,800.0	3.18	152.60	8,794.3	-182.6	94.6	-181.5	0.00	0.00	0.00
8,900.0	3.18	152.60	8,894.2	-187.5	97.2	-186.4	0.00	0.00	0.00
9,000.0	3.18	152.60	8,994.0	-192.4	99.7	-191.3	0.00	0.00	0.00
9,100.0	3.18	152.60	9,093.9	-197.3	102.3	-196.2	0.00	0.00	0.00
9,200.0	3.18	152.60	9,193.7	-202.2	104.8	-201.1	0.00	0.00	0.00
9,300.0	3.18	152.60	9,293.6	-207.2	107.4	-206.0	0.00	0.00	0.00
9,400.0	3.18	152.60	9,393.4	-212.1	109.9	-210.8	0.00	0.00	0.00
9,500.0	3.18	152.60	9,493.3	-217.0	112.5	-215.7	0.00	0.00	0.00
9,600.0	3.18	152.60	9,593.1	-221.9	115.0	-220.6	0.00	0.00	0.00
9,700.0	3.18	152.60	9,693.0	-226.8	117.6	-225.5	0.00	0.00	0.00
9,800.0	3.18	152.60	9,792.8	-231.8	120.1	-230.4	0.00	0.00	0.00
9,900.0	3.18	152.60	9,892.6	-236.7	122.7	-235.3	0.00	0.00	0.00
10,000.0	3.18	152.60	9,992.5	-241.6	125.2	-240.2	0.00	0.00	0.00
10,100.0	3.18	152.60	10,092.3	-246.5	127.8	-245.1	0.00	0.00	0.00
10,200.0	3.18	152.60	10,192.2	-251.4	130.3	-250.0	0.00	0.00	0.00
10,300.0	3.18	152.60	10,292.0	-256.4	132.9	-254.9	0.00	0.00	0.00
10,400.0	3.18	152.60	10,391.9	-261.3	135.5	-259.8	0.00	0.00	0.00
10,500.0	3.18	152.60	10,491.7	-266.2	138.0	-264.7	0.00	0.00	0.00
10,600.0	3.18	152.60	10,591.6	-271.1	140.6	-269.5	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Neptune 10 State Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference:
 TVD Reference: KB = 25' @ 3634.0usft
 MD Reference: KB = 25' @ 3634.0usft
 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	3.18	152.60	10,691.4	-276.0	143.1	-274.4	0.00	0.00	0.00
10,800.0	3.18	152.60	10,791.3	-281.0	145.7	-279.3	0.00	0.00	0.00
10,900.0	3.18	152.60	10,891.1	-285.9	148.2	-284.2	0.00	0.00	0.00
11,000.0	3.18	152.60	10,991.0	-290.8	150.8	-289.1	0.00	0.00	0.00
11,100.0	3.18	152.60	11,090.8	-295.7	153.3	-294.0	0.00	0.00	0.00
11,200.0	3.18	152.60	11,190.7	-300.6	155.9	-298.9	0.00	0.00	0.00
11,300.0	3.18	152.60	11,290.5	-305.6	158.4	-303.8	0.00	0.00	0.00
11,400.0	3.18	152.60	11,390.3	-310.5	161.0	-308.7	0.00	0.00	0.00
11,500.0	3.18	152.60	11,490.2	-315.4	163.5	-313.6	0.00	0.00	0.00
11,600.0	3.18	152.60	11,590.0	-320.3	166.1	-318.5	0.00	0.00	0.00
11,700.0	3.18	152.60	11,689.9	-325.2	168.6	-323.3	0.00	0.00	0.00
11,800.0	3.18	152.60	11,789.7	-330.2	171.2	-328.2	0.00	0.00	0.00
11,900.0	3.18	152.60	11,889.6	-335.1	173.7	-333.1	0.00	0.00	0.00
12,001.7	3.18	152.60	11,991.1	-340.1	176.3	-338.1	0.00	0.00	0.00
12,025.0	1.44	90.92	12,014.4	-340.7	176.9	-338.7	12.00	-7.44	-264.62
12,050.0	3.30	25.46	12,039.4	-340.0	177.5	-338.0	12.00	7.42	-261.83
12,075.0	6.14	13.10	12,064.3	-338.1	178.1	-336.1	12.00	11.36	-49.46
12,100.0	9.08	8.62	12,089.1	-334.8	178.7	-332.8	12.00	11.77	-17.90
12,125.0	12.05	6.33	12,113.6	-330.3	179.3	-328.3	12.00	11.88	-9.16
12,150.0	15.03	4.94	12,137.9	-324.4	179.9	-322.4	12.00	11.93	-5.57
12,175.0	18.02	4.00	12,161.9	-317.3	180.4	-315.3	12.00	11.95	-3.76
12,200.0	21.01	3.32	12,185.5	-309.0	181.0	-307.0	12.00	11.97	-2.72
12,225.0	24.01	2.80	12,208.6	-299.5	181.5	-297.4	12.00	11.97	-2.07
12,250.0	27.00	2.39	12,231.1	-288.7	181.9	-286.7	12.00	11.98	-1.63
12,275.0	30.00	2.06	12,253.1	-276.8	182.4	-274.7	12.00	11.98	-1.33
12,300.0	32.99	1.78	12,274.4	-263.7	182.8	-261.7	12.00	11.99	-1.11
12,325.0	35.99	1.55	12,295.0	-249.6	183.3	-247.5	12.00	11.99	-0.94
12,350.0	38.99	1.34	12,314.8	-234.4	183.6	-232.3	12.00	11.99	-0.82
12,375.0	41.99	1.16	12,333.9	-218.1	184.0	-216.1	12.00	11.99	-0.72
12,400.0	44.98	1.00	12,352.0	-200.9	184.3	-198.9	12.00	11.99	-0.64
12,425.0	47.98	0.86	12,369.2	-182.8	184.6	-180.8	12.00	11.99	-0.57
12,450.0	50.98	0.73	12,385.4	-163.8	184.9	-161.8	12.00	11.99	-0.52
12,475.0	53.98	0.61	12,400.7	-144.0	185.1	-141.9	12.00	11.99	-0.48
12,500.0	56.98	0.50	12,414.8	-123.4	185.3	-121.3	12.00	11.99	-0.44
12,525.0	59.98	0.39	12,427.9	-102.1	185.5	-100.0	12.00	11.99	-0.42
12,550.0	62.98	0.30	12,439.8	-80.1	185.6	-78.1	12.00	12.00	-0.39
12,575.0	65.97	0.20	12,450.6	-57.6	185.7	-55.5	12.00	12.00	-0.37
12,600.0	68.97	0.11	12,460.2	-34.5	185.8	-32.4	12.00	12.00	-0.35
12,625.0	71.97	0.03	12,468.6	-10.9	185.8	-8.9	12.00	12.00	-0.34
12,650.0	74.97	359.95	12,475.7	13.0	185.8	15.1	12.00	12.00	-0.33
12,675.0	77.97	359.87	12,481.5	37.3	185.7	39.4	12.00	12.00	-0.32
12,700.0	80.97	359.79	12,486.1	61.9	185.7	64.0	12.00	12.00	-0.31
12,725.0	83.97	359.71	12,489.4	86.7	185.6	88.7	12.00	12.00	-0.31
12,750.0	86.97	359.64	12,491.3	111.6	185.4	113.7	12.00	12.00	-0.30
12,775.3	90.00	359.56	12,492.0	136.9	185.2	138.9	12.00	12.00	-0.30
12,800.0	90.00	359.56	12,492.0	161.6	185.1	163.6	0.00	0.00	0.00
12,900.0	90.00	359.56	12,492.0	261.6	184.3	263.6	0.00	0.00	0.00
13,000.0	90.00	359.56	12,492.0	361.6	183.5	363.6	0.00	0.00	0.00
13,100.0	90.00	359.56	12,492.0	461.6	182.8	463.6	0.00	0.00	0.00
13,200.0	90.00	359.56	12,492.0	561.6	182.0	563.6	0.00	0.00	0.00
13,300.0	90.00	359.56	12,492.0	661.6	181.2	663.6	0.00	0.00	0.00
13,400.0	90.00	359.56	12,492.0	761.6	180.4	763.5	0.00	0.00	0.00
13,500.0	90.00	359.56	12,492.0	861.6	179.7	863.5	0.00	0.00	0.00
13,600.0	90.00	359.56	12,492.0	961.6	178.9	963.5	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
Well: #706H
Wellbore: OH
Design: Plan #0.1

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

Well #706H
KB = 25' @ 3634.0usft
KB = 25' @ 3634.0usft
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)
13,700.0	90.00	359.56	12,492.0	1,061.6	178.1	1,063.5	0.00	0.00	0.00
13,800.0	90.00	359.56	12,492.0	1,161.6	177.4	1,163.5	0.00	0.00	0.00
13,900.0	90.00	359.56	12,492.0	1,261.6	176.6	1,263.4	0.00	0.00	0.00
14,000.0	90.00	359.56	12,492.0	1,361.6	175.8	1,363.4	0.00	0.00	0.00
14,100.0	90.00	359.56	12,492.0	1,461.6	175.1	1,463.4	0.00	0.00	0.00
14,200.0	90.00	359.56	12,492.0	1,561.6	174.3	1,563.4	0.00	0.00	0.00
14,300.0	90.00	359.56	12,492.0	1,661.6	173.5	1,663.4	0.00	0.00	0.00
14,400.0	90.00	359.56	12,492.0	1,761.6	172.8	1,763.4	0.00	0.00	0.00
14,500.0	90.00	359.56	12,492.0	1,861.6	172.0	1,863.3	0.00	0.00	0.00
14,600.0	90.00	359.56	12,492.0	1,961.6	171.2	1,963.3	0.00	0.00	0.00
14,700.0	90.00	359.56	12,492.0	2,061.5	170.5	2,063.3	0.00	0.00	0.00
14,800.0	90.00	359.56	12,492.0	2,161.5	169.7	2,163.3	0.00	0.00	0.00
14,900.0	90.00	359.56	12,492.0	2,261.5	168.9	2,263.3	0.00	0.00	0.00
15,000.0	90.00	359.56	12,492.0	2,361.5	168.2	2,363.3	0.00	0.00	0.00
15,100.0	90.00	359.56	12,492.0	2,461.5	167.4	2,463.2	0.00	0.00	0.00
15,200.0	90.00	359.56	12,492.0	2,561.5	166.6	2,563.2	0.00	0.00	0.00
15,300.0	90.00	359.56	12,492.0	2,661.5	165.9	2,663.2	0.00	0.00	0.00
15,400.0	90.00	359.56	12,492.0	2,761.5	165.1	2,763.2	0.00	0.00	0.00
15,500.0	90.00	359.56	12,492.0	2,861.5	164.3	2,863.2	0.00	0.00	0.00
15,600.0	90.00	359.56	12,492.0	2,961.5	163.6	2,963.1	0.00	0.00	0.00
15,700.0	90.00	359.56	12,492.0	3,061.5	162.8	3,063.1	0.00	0.00	0.00
15,800.0	90.00	359.56	12,492.0	3,161.5	162.0	3,163.1	0.00	0.00	0.00
15,900.0	90.00	359.56	12,492.0	3,261.5	161.2	3,263.1	0.00	0.00	0.00
16,000.0	90.00	359.56	12,492.0	3,361.5	160.5	3,363.1	0.00	0.00	0.00
16,100.0	90.00	359.56	12,492.0	3,461.5	159.7	3,463.1	0.00	0.00	0.00
16,200.0	90.00	359.56	12,492.0	3,561.5	158.9	3,563.0	0.00	0.00	0.00
16,300.0	90.00	359.56	12,492.0	3,661.5	158.2	3,663.0	0.00	0.00	0.00
16,400.0	90.00	359.56	12,492.0	3,761.5	157.4	3,763.0	0.00	0.00	0.00
16,500.0	90.00	359.56	12,492.0	3,861.5	156.6	3,863.0	0.00	0.00	0.00
16,600.0	90.00	359.56	12,492.0	3,961.5	155.9	3,963.0	0.00	0.00	0.00
16,700.0	90.00	359.56	12,492.0	4,061.5	155.1	4,063.0	0.00	0.00	0.00
16,800.0	90.00	359.56	12,492.0	4,161.5	154.3	4,162.9	0.00	0.00	0.00
16,900.0	90.00	359.56	12,492.0	4,261.5	153.6	4,262.9	0.00	0.00	0.00
17,000.0	90.00	359.56	12,492.0	4,361.5	152.8	4,362.9	0.00	0.00	0.00
17,100.0	90.00	359.56	12,492.0	4,461.5	152.0	4,462.9	0.00	0.00	0.00
17,200.0	90.00	359.56	12,492.0	4,561.5	151.3	4,562.9	0.00	0.00	0.00
17,300.0	90.00	359.56	12,492.0	4,661.5	150.5	4,662.9	0.00	0.00	0.00
17,400.0	90.00	359.56	12,492.0	4,761.5	149.7	4,762.8	0.00	0.00	0.00
17,500.0	90.00	359.56	12,492.0	4,861.5	149.0	4,862.8	0.00	0.00	0.00
17,600.0	90.00	359.56	12,492.0	4,961.5	148.2	4,962.8	0.00	0.00	0.00
17,700.0	90.00	359.56	12,492.0	5,061.5	147.4	5,062.8	0.00	0.00	0.00
17,800.0	90.00	359.56	12,492.0	5,161.5	146.7	5,162.8	0.00	0.00	0.00
17,900.0	90.00	359.56	12,492.0	5,261.5	145.9	5,262.7	0.00	0.00	0.00
18,000.0	90.00	359.56	12,492.0	5,361.4	145.1	5,362.7	0.00	0.00	0.00
18,100.0	90.00	359.56	12,492.0	5,461.4	144.4	5,462.7	0.00	0.00	0.00
18,200.0	90.00	359.56	12,492.0	5,561.4	143.6	5,562.7	0.00	0.00	0.00
18,300.0	90.00	359.56	12,492.0	5,661.4	142.8	5,662.7	0.00	0.00	0.00
18,400.0	90.00	359.56	12,492.0	5,761.4	142.1	5,762.7	0.00	0.00	0.00
18,500.0	90.00	359.56	12,492.0	5,861.4	141.3	5,862.6	0.00	0.00	0.00
18,600.0	90.00	359.56	12,492.0	5,961.4	140.5	5,962.6	0.00	0.00	0.00
18,700.0	90.00	359.56	12,492.0	6,061.4	139.7	6,062.6	0.00	0.00	0.00
18,800.0	90.00	359.56	12,492.0	6,161.4	139.0	6,162.6	0.00	0.00	0.00
18,900.0	90.00	359.56	12,492.0	6,261.4	138.2	6,262.6	0.00	0.00	0.00
19,000.0	90.00	359.56	12,492.0	6,361.4	137.4	6,362.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Neptune 10 State Com
 Well: #706H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #706H
 TVD Reference: KB = 25' @ 3634.0usft
 MD Reference: KB = 25' @ 3634.0usft
 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)
19,100.0	90.00	359.56	12,492.0	6,461.4	136.7	6,462.5	0.00	0.00	0.00
19,200.0	90.00	359.56	12,492.0	6,561.4	135.9	6,562.5	0.00	0.00	0.00
19,300.0	90.00	359.56	12,492.0	6,661.4	135.1	6,662.5	0.00	0.00	0.00
19,400.0	90.00	359.56	12,492.0	6,761.4	134.4	6,762.5	0.00	0.00	0.00
19,500.0	90.00	359.56	12,492.0	6,861.4	133.6	6,862.5	0.00	0.00	0.00
19,600.0	90.00	359.56	12,492.0	6,961.4	132.8	6,962.4	0.00	0.00	0.00
19,700.0	90.00	359.56	12,492.0	7,061.4	132.1	7,062.4	0.00	0.00	0.00
19,800.0	90.00	359.56	12,492.0	7,161.4	131.3	7,162.4	0.00	0.00	0.00
19,900.0	90.00	359.56	12,492.0	7,261.4	130.5	7,262.4	0.00	0.00	0.00
20,000.0	90.00	359.56	12,492.0	7,361.4	129.8	7,362.4	0.00	0.00	0.00
20,100.0	90.00	359.56	12,492.0	7,461.4	129.0	7,462.4	0.00	0.00	0.00
20,200.0	90.00	359.56	12,492.0	7,561.4	128.2	7,562.3	0.00	0.00	0.00
20,300.0	90.00	359.56	12,492.0	7,661.4	127.5	7,662.3	0.00	0.00	0.00
20,400.0	90.00	359.56	12,492.0	7,761.4	126.7	7,762.3	0.00	0.00	0.00
20,500.0	90.00	359.56	12,492.0	7,861.4	125.9	7,862.3	0.00	0.00	0.00
20,600.0	90.00	359.56	12,492.0	7,961.4	125.2	7,962.3	0.00	0.00	0.00
20,700.0	90.00	359.56	12,492.0	8,061.4	124.4	8,062.3	0.00	0.00	0.00
20,800.0	90.00	359.56	12,492.0	8,161.4	123.6	8,162.2	0.00	0.00	0.00
20,900.0	90.00	359.56	12,492.0	8,261.4	122.9	8,262.2	0.00	0.00	0.00
21,000.0	90.00	359.56	12,492.0	8,361.4	122.1	8,362.2	0.00	0.00	0.00
21,100.0	90.00	359.56	12,492.0	8,461.4	121.3	8,462.2	0.00	0.00	0.00
21,200.0	90.00	359.56	12,492.0	8,561.4	120.5	8,562.2	0.00	0.00	0.00
21,300.0	90.00	359.56	12,492.0	8,661.4	119.8	8,662.1	0.00	0.00	0.00
21,400.0	90.00	359.56	12,492.0	8,761.3	119.0	8,762.1	0.00	0.00	0.00
21,500.0	90.00	359.56	12,492.0	8,861.3	118.2	8,862.1	0.00	0.00	0.00
21,600.0	90.00	359.56	12,492.0	8,961.3	117.5	8,962.1	0.00	0.00	0.00
21,700.0	90.00	359.56	12,492.0	9,061.3	116.7	9,062.1	0.00	0.00	0.00
21,800.0	90.00	359.56	12,492.0	9,161.3	115.9	9,162.1	0.00	0.00	0.00
21,900.0	90.00	359.56	12,492.0	9,261.3	115.2	9,262.0	0.00	0.00	0.00
22,000.0	90.00	359.56	12,492.0	9,361.3	114.4	9,362.0	0.00	0.00	0.00
22,100.0	90.00	359.56	12,492.0	9,461.3	113.6	9,462.0	0.00	0.00	0.00
22,200.0	90.00	359.56	12,492.0	9,561.3	112.9	9,562.0	0.00	0.00	0.00
22,300.0	90.00	359.56	12,492.0	9,661.3	112.1	9,662.0	0.00	0.00	0.00
22,400.0	90.00	359.56	12,492.0	9,761.3	111.3	9,762.0	0.00	0.00	0.00
22,500.0	90.00	359.56	12,492.0	9,861.3	110.6	9,861.9	0.00	0.00	0.00
22,573.7	90.00	359.56	12,492.0	9,935.0	110.0	9,935.6	0.00	0.00	0.00

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									
FTP (Neptune 10 St Cor	0.00	0.00	12,492.0	-63.0	188.0	446,731.00	780,211.00	32° 13' 32.805 N	103° 33' 39.079 W
- plan misses target center by 40.2usft at 12585.9usft MD (12454.9 TVD, -47.6 N, 185.7 E)									
- Point									
PBHL (Neptune 10 St Cr	0.00	0.00	12,492.0	9,935.0	110.0	456,729.00	780,133.00	32° 15' 11.742 N	103° 33' 39.150 W
- plan hits target center									
- Point									