OCD – HOBBS
10/21/2016
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eog resources

Lea County, NM (NAD 27 NME)

Neptune 10 State Com #701H

Plan #0.1

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

Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.75°

Magnetic Field
Strength: 48133.1snT
Dip Angle: 60.09°
Date: 7/27/2015
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.75°
To convert a Magnetic Direction to a True Direction, Add 7.16° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

WELL DETAILS: #701H

Ground Level: 3616.0
KB = 25' @ 3641.0usft

Northing	Easting	Latitude	Longitude
446780.00	736977.00	32° 13' 33.571 N	103° 34' 1.210 W

SECTION DETAILS

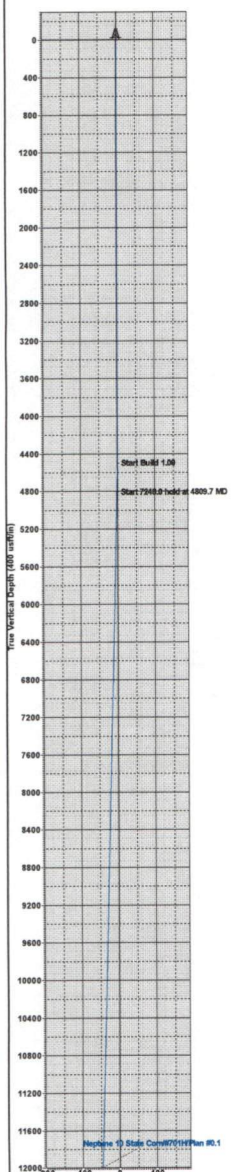
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0	
3	4809.7	3.10	186.44	4809.6	-8.3	-0.9	1.00	186.44	-8.3	
4	12057.7	3.10	186.44	12046.9	-397.4	-44.8	0.00	0.00	-396.8	
5	12833.3	90.00	359.56	12550.0	79.3	-51.8	12.00	173.11	79.9	
6	22631.3	90.00	359.56	12550.0	9877.0	-127.0	0.00	0.00	9877.8	PBHL(Nep 10 ST Com #701H)

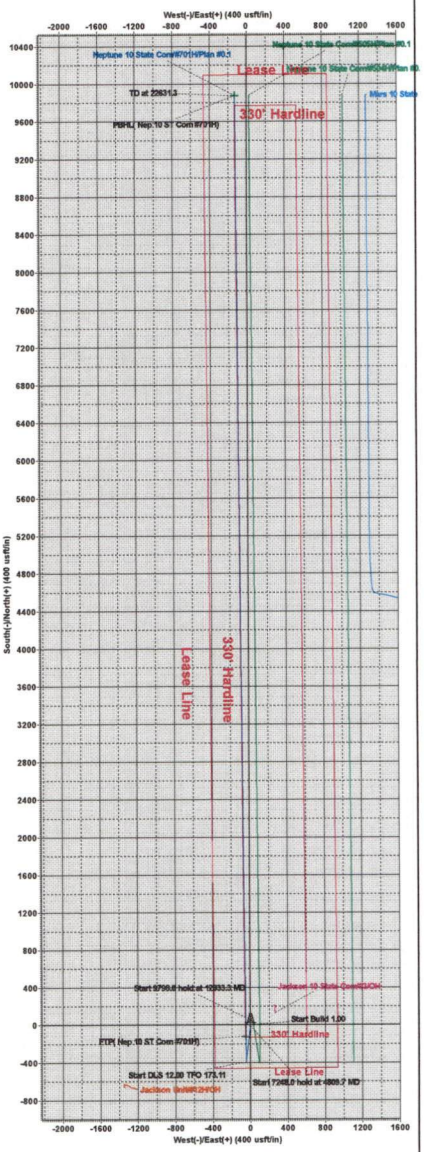
CASING DETAILS

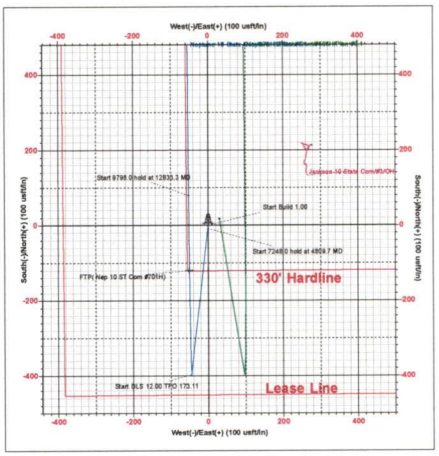
No casing data is available

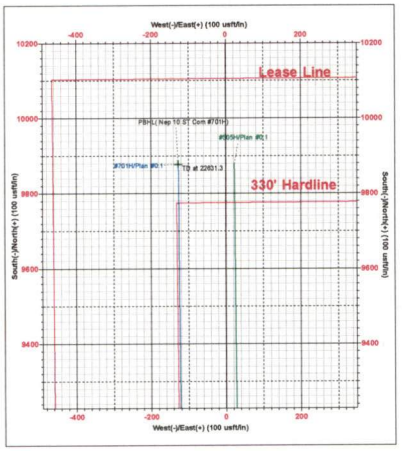
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

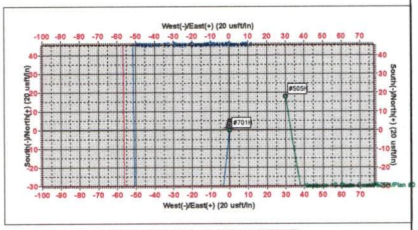
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP(Nep 10 ST Com #701H)	12550.0	-121.0	-50.0	446659.00	736927.00
PBHL(Nep 10 ST Com #701H)	12550.0	9877.0	-127.0	456657.00	736850.00

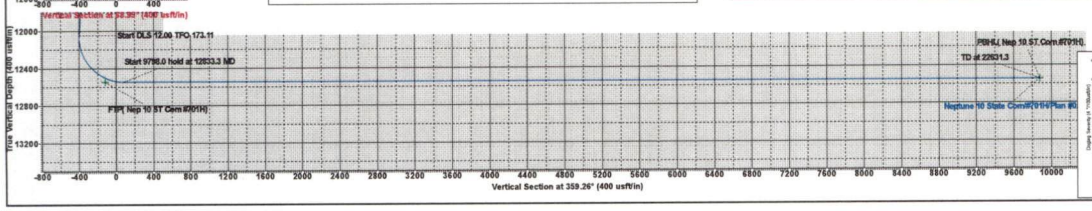


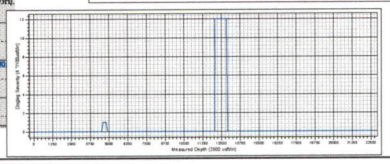












EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Neptune 10 State Com
#701H

OH

Plan: Plan #0.1

Standard Survey Report

21 October, 2016

EOG Resources, Inc.

Survey Report

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3641.0usft
Site:	Neptune 10 State Com	**MD Reference:**	KB = 25' @ 3641.0usft
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #0.1	**Database:**	EDM 5000.1 Single User Db

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 Neptune 10 State Com

Site Position:		**Northing:**	446,603.00 usft	**Latitude:**	32° 13' 31.549 N
From:	Map	**Easting:**	740,781.00 usft	**Longitude:**	103° 33' 16.943 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.42 °

Well #701H

Well Position	**+N/-S**	0.0 usft	**Northing:**	446,780.00 usft	**Latitude:**	32° 13' 33.571 N
	+E/-W	0.0 usft	**Easting:**	736,977.00 usft	**Longitude:**	103° 34' 1.210 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,616.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	7/27/2015	7.16	60.09	48,133

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	359.26

Survey Tool Program **Date** 10/21/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	22,631.3	Plan #0.1 (OH)	MWD	MWD - Standard

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

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
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Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #0.1	**Database:**	EDM 5000.1 Single User Db

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)
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	1.00	186.44	4,600.0	-0.9	-0.1	-0.9	1.00	1.00	0.00
4,700.0	2.00	186.44	4,700.0	-3.5	-0.4	-3.5	1.00	1.00	0.00
4,809.7	3.10	186.44	4,809.6	-8.3	-0.9	-8.3	1.00	1.00	0.00
4,900.0	3.10	186.44	4,899.7	-13.2	-1.5	-13.1	0.00	0.00	0.00
5,000.0	3.10	186.44	4,999.6	-18.5	-2.1	-18.5	0.00	0.00	0.00
5,100.0	3.10	186.44	5,099.4	-23.9	-2.7	-23.9	0.00	0.00	0.00
5,200.0	3.10	186.44	5,199.3	-29.3	-3.3	-29.2	0.00	0.00	0.00
5,300.0	3.10	186.44	5,299.1	-34.6	-3.9	-34.6	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
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Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #0.1	**Database:**	EDM 5000.1 Single User Db

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)
5,400.0	3.10	186.44	5,399.0	-40.0	-4.5	-39.9	0.00	0.00	0.00
5,500.0	3.10	186.44	5,498.8	-45.4	-5.1	-45.3	0.00	0.00	0.00
5,600.0	3.10	186.44	5,598.7	-50.7	-5.7	-50.7	0.00	0.00	0.00
5,700.0	3.10	186.44	5,698.5	-56.1	-6.3	-56.0	0.00	0.00	0.00
5,800.0	3.10	186.44	5,798.4	-61.5	-6.9	-61.4	0.00	0.00	0.00
5,900.0	3.10	186.44	5,898.3	-66.9	-7.5	-66.7	0.00	0.00	0.00
6,000.0	3.10	186.44	5,998.1	-72.2	-8.1	-72.1	0.00	0.00	0.00
6,100.0	3.10	186.44	6,098.0	-77.6	-8.8	-77.5	0.00	0.00	0.00
6,200.0	3.10	186.44	6,197.8	-83.0	-9.4	-82.8	0.00	0.00	0.00
6,300.0	3.10	186.44	6,297.7	-88.3	-10.0	-88.2	0.00	0.00	0.00
6,400.0	3.10	186.44	6,397.5	-93.7	-10.6	-93.6	0.00	0.00	0.00
6,500.0	3.10	186.44	6,497.4	-99.1	-11.2	-98.9	0.00	0.00	0.00
6,600.0	3.10	186.44	6,597.2	-104.4	-11.8	-104.3	0.00	0.00	0.00
6,700.0	3.10	186.44	6,697.1	-109.8	-12.4	-109.6	0.00	0.00	0.00
6,800.0	3.10	186.44	6,796.9	-115.2	-13.0	-115.0	0.00	0.00	0.00
6,900.0	3.10	186.44	6,896.8	-120.5	-13.6	-120.4	0.00	0.00	0.00
7,000.0	3.10	186.44	6,996.6	-125.9	-14.2	-125.7	0.00	0.00	0.00
7,100.0	3.10	186.44	7,096.5	-131.3	-14.8	-131.1	0.00	0.00	0.00
7,200.0	3.10	186.44	7,196.4	-136.6	-15.4	-136.4	0.00	0.00	0.00
7,300.0	3.10	186.44	7,296.2	-142.0	-16.0	-141.8	0.00	0.00	0.00
7,400.0	3.10	186.44	7,396.1	-147.4	-16.6	-147.2	0.00	0.00	0.00
7,500.0	3.10	186.44	7,495.9	-152.8	-17.2	-152.5	0.00	0.00	0.00
7,600.0	3.10	186.44	7,595.8	-158.1	-17.8	-157.9	0.00	0.00	0.00
7,700.0	3.10	186.44	7,695.6	-163.5	-18.4	-163.2	0.00	0.00	0.00
7,800.0	3.10	186.44	7,795.5	-168.9	-19.0	-168.6	0.00	0.00	0.00
7,900.0	3.10	186.44	7,895.3	-174.2	-19.7	-174.0	0.00	0.00	0.00
8,000.0	3.10	186.44	7,995.2	-179.6	-20.3	-179.3	0.00	0.00	0.00
8,100.0	3.10	186.44	8,095.0	-185.0	-20.9	-184.7	0.00	0.00	0.00
8,200.0	3.10	186.44	8,194.9	-190.3	-21.5	-190.0	0.00	0.00	0.00
8,300.0	3.10	186.44	8,294.8	-195.7	-22.1	-195.4	0.00	0.00	0.00
8,400.0	3.10	186.44	8,394.6	-201.1	-22.7	-200.8	0.00	0.00	0.00
8,500.0	3.10	186.44	8,494.5	-206.4	-23.3	-206.1	0.00	0.00	0.00
8,600.0	3.10	186.44	8,594.3	-211.8	-23.9	-211.5	0.00	0.00	0.00
8,700.0	3.10	186.44	8,694.2	-217.2	-24.5	-216.8	0.00	0.00	0.00
8,800.0	3.10	186.44	8,794.0	-222.5	-25.1	-222.2	0.00	0.00	0.00
8,900.0	3.10	186.44	8,893.9	-227.9	-25.7	-227.6	0.00	0.00	0.00
9,000.0	3.10	186.44	8,993.7	-233.3	-26.3	-232.9	0.00	0.00	0.00
9,100.0	3.10	186.44	9,093.6	-238.7	-26.9	-238.3	0.00	0.00	0.00
9,200.0	3.10	186.44	9,193.4	-244.0	-27.5	-243.7	0.00	0.00	0.00
9,300.0	3.10	186.44	9,293.3	-249.4	-28.1	-249.0	0.00	0.00	0.00
9,400.0	3.10	186.44	9,393.1	-254.8	-28.7	-254.4	0.00	0.00	0.00
9,500.0	3.10	186.44	9,493.0	-260.1	-29.3	-259.7	0.00	0.00	0.00
9,600.0	3.10	186.44	9,592.9	-265.5	-30.0	-265.1	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
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9,700.0	3.10	186.44	9,692.7	-270.9	-30.6	-270.5	0.00	0.00	0.00
9,800.0	3.10	186.44	9,792.6	-276.2	-31.2	-275.8	0.00	0.00	0.00
9,900.0	3.10	186.44	9,892.4	-281.6	-31.8	-281.2	0.00	0.00	0.00
10,000.0	3.10	186.44	9,992.3	-287.0	-32.4	-286.5	0.00	0.00	0.00
10,100.0	3.10	186.44	10,092.1	-292.3	-33.0	-291.9	0.00	0.00	0.00
10,200.0	3.10	186.44	10,192.0	-297.7	-33.6	-297.3	0.00	0.00	0.00
10,300.0	3.10	186.44	10,291.8	-303.1	-34.2	-302.6	0.00	0.00	0.00
10,400.0	3.10	186.44	10,391.7	-308.5	-34.8	-308.0	0.00	0.00	0.00
10,500.0	3.10	186.44	10,491.5	-313.8	-35.4	-313.3	0.00	0.00	0.00
10,600.0	3.10	186.44	10,591.4	-319.2	-36.0	-318.7	0.00	0.00	0.00
10,700.0	3.10	186.44	10,691.2	-324.6	-36.6	-324.1	0.00	0.00	0.00
10,800.0	3.10	186.44	10,791.1	-329.9	-37.2	-329.4	0.00	0.00	0.00
10,900.0	3.10	186.44	10,891.0	-335.3	-37.8	-334.8	0.00	0.00	0.00
11,000.0	3.10	186.44	10,990.8	-340.7	-38.4	-340.1	0.00	0.00	0.00
11,100.0	3.10	186.44	11,090.7	-346.0	-39.0	-345.5	0.00	0.00	0.00
11,200.0	3.10	186.44	11,190.5	-351.4	-39.6	-350.9	0.00	0.00	0.00
11,300.0	3.10	186.44	11,290.4	-356.8	-40.2	-356.2	0.00	0.00	0.00
11,400.0	3.10	186.44	11,390.2	-362.1	-40.9	-361.6	0.00	0.00	0.00
11,500.0	3.10	186.44	11,490.1	-367.5	-41.5	-366.9	0.00	0.00	0.00
11,600.0	3.10	186.44	11,589.9	-372.9	-42.1	-372.3	0.00	0.00	0.00
11,700.0	3.10	186.44	11,689.8	-378.2	-42.7	-377.7	0.00	0.00	0.00
11,800.0	3.10	186.44	11,789.6	-383.6	-43.3	-383.0	0.00	0.00	0.00
11,900.0	3.10	186.44	11,889.5	-389.0	-43.9	-388.4	0.00	0.00	0.00
12,000.0	3.10	186.44	11,989.3	-394.4	-44.5	-393.7	0.00	0.00	0.00
12,057.7	3.10	186.44	12,046.9	-397.4	-44.8	-396.8	0.00	0.00	0.00
12,075.0	1.06	200.01	12,064.3	-398.1	-44.9	-397.5	12.00	-11.74	78.31
12,100.0	2.04	349.07	12,089.2	-397.8	-45.1	-397.2	12.00	3.90	596.27
12,125.0	5.02	355.33	12,114.2	-396.3	-45.3	-395.7	12.00	11.92	25.02
12,150.0	8.01	356.92	12,139.0	-393.5	-45.5	-392.9	12.00	11.98	6.37
12,175.0	11.01	357.65	12,163.7	-389.4	-45.7	-388.7	12.00	11.99	2.92
12,200.0	14.01	358.07	12,188.1	-384.0	-45.9	-383.3	12.00	11.99	1.68
12,225.0	17.01	358.35	12,212.2	-377.3	-46.1	-376.6	12.00	12.00	1.10
12,250.0	20.01	358.54	12,235.9	-369.3	-46.3	-368.7	12.00	12.00	0.78
12,275.0	23.01	358.69	12,259.1	-360.2	-46.5	-359.5	12.00	12.00	0.58
12,300.0	26.01	358.80	12,281.9	-349.8	-46.7	-349.2	12.00	12.00	0.45
12,325.0	29.01	358.89	12,304.1	-338.3	-47.0	-337.6	12.00	12.00	0.37
12,350.0	32.01	358.97	12,325.6	-325.6	-47.2	-324.9	12.00	12.00	0.30
12,375.0	35.01	359.03	12,346.4	-311.8	-47.4	-311.1	12.00	12.00	0.26
12,400.0	38.01	359.09	12,366.5	-296.9	-47.7	-296.3	12.00	12.00	0.22
12,425.0	41.01	359.13	12,385.8	-281.0	-47.9	-280.4	12.00	12.00	0.19
12,450.0	44.01	359.18	12,404.2	-264.1	-48.2	-263.5	12.00	12.00	0.17
12,475.0	47.01	359.21	12,421.8	-246.3	-48.4	-245.7	12.00	12.00	0.15
12,500.0	50.01	359.25	12,438.3	-227.6	-48.7	-226.9	12.00	12.00	0.14

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3641.0usft
Site:	Neptune 10 State Com	**MD Reference:**	KB = 25' @ 3641.0usft
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #0.1	**Database:**	EDM 5000.1 Single User Db

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)
12,525.0	53.01	359.28	12,453.9	-208.0	-48.9	-207.4	12.00	12.00	0.13
12,550.0	56.01	359.31	12,468.4	-187.7	-49.2	-187.0	12.00	12.00	0.12
12,575.0	59.01	359.34	12,481.8	-166.6	-49.4	-165.9	12.00	12.00	0.11
12,600.0	62.01	359.36	12,494.1	-144.8	-49.7	-144.2	12.00	12.00	0.10
12,625.0	65.01	359.39	12,505.3	-122.5	-49.9	-121.8	12.00	12.00	0.10
12,644.2	67.30	359.40	12,513.0	-104.9	-50.1	-104.3	12.00	12.00	0.09
FTP(Nep 10 ST Com #701H)									
12,650.0	68.01	359.41	12,515.2	-99.5	-50.2	-98.9	12.00	12.00	0.09
12,675.0	71.00	359.43	12,524.0	-76.1	-50.4	-75.5	12.00	12.00	0.09
12,700.0	74.00	359.45	12,531.5	-52.3	-50.6	-51.6	12.00	12.00	0.09
12,725.0	77.00	359.47	12,537.8	-28.1	-50.9	-27.4	12.00	12.00	0.08
12,750.0	80.00	359.49	12,542.8	-3.6	-51.1	-2.9	12.00	12.00	0.08
12,775.0	83.00	359.51	12,546.4	21.1	-51.3	21.8	12.00	12.00	0.08
12,800.0	86.00	359.53	12,548.8	46.0	-51.5	46.7	12.00	12.00	0.08
12,825.0	89.00	359.55	12,549.9	71.0	-51.7	71.7	12.00	12.00	0.08
12,833.3	90.00	359.56	12,550.0	79.3	-51.8	79.9	12.00	12.00	0.08
12,900.0	90.00	359.56	12,550.0	146.0	-52.3	146.7	0.00	0.00	0.00
13,000.0	90.00	359.56	12,550.0	246.0	-53.0	246.6	0.00	0.00	0.00
13,100.0	90.00	359.56	12,550.0	346.0	-53.8	346.6	0.00	0.00	0.00
13,200.0	90.00	359.56	12,550.0	446.0	-54.6	446.6	0.00	0.00	0.00
13,300.0	90.00	359.56	12,550.0	546.0	-55.3	546.6	0.00	0.00	0.00
13,400.0	90.00	359.56	12,550.0	646.0	-56.1	646.6	0.00	0.00	0.00
13,500.0	90.00	359.56	12,550.0	746.0	-56.9	746.6	0.00	0.00	0.00
13,600.0	90.00	359.56	12,550.0	846.0	-57.6	846.6	0.00	0.00	0.00
13,700.0	90.00	359.56	12,550.0	946.0	-58.4	946.6	0.00	0.00	0.00
13,800.0	90.00	359.56	12,550.0	1,046.0	-59.2	1,046.6	0.00	0.00	0.00
13,900.0	90.00	359.56	12,550.0	1,146.0	-59.9	1,146.6	0.00	0.00	0.00
14,000.0	90.00	359.56	12,550.0	1,246.0	-60.7	1,246.6	0.00	0.00	0.00
14,100.0	90.00	359.56	12,550.0	1,346.0	-61.5	1,346.6	0.00	0.00	0.00
14,200.0	90.00	359.56	12,550.0	1,446.0	-62.3	1,446.6	0.00	0.00	0.00
14,300.0	90.00	359.56	12,550.0	1,546.0	-63.0	1,546.6	0.00	0.00	0.00
14,400.0	90.00	359.56	12,550.0	1,645.9	-63.8	1,646.6	0.00	0.00	0.00
14,500.0	90.00	359.56	12,550.0	1,745.9	-64.6	1,746.6	0.00	0.00	0.00
14,600.0	90.00	359.56	12,550.0	1,845.9	-65.3	1,846.6	0.00	0.00	0.00
14,700.0	90.00	359.56	12,550.0	1,945.9	-66.1	1,946.6	0.00	0.00	0.00
14,800.0	90.00	359.56	12,550.0	2,045.9	-66.9	2,046.6	0.00	0.00	0.00
14,900.0	90.00	359.56	12,550.0	2,145.9	-67.6	2,146.6	0.00	0.00	0.00
15,000.0	90.00	359.56	12,550.0	2,245.9	-68.4	2,246.6	0.00	0.00	0.00
15,100.0	90.00	359.56	12,550.0	2,345.9	-69.2	2,346.6	0.00	0.00	0.00
15,200.0	90.00	359.56	12,550.0	2,445.9	-69.9	2,446.6	0.00	0.00	0.00
15,300.0	90.00	359.56	12,550.0	2,545.9	-70.7	2,546.6	0.00	0.00	0.00
15,400.0	90.00	359.56	12,550.0	2,645.9	-71.5	2,646.6	0.00	0.00	0.00
15,500.0	90.00	359.56	12,550.0	2,745.9	-72.2	2,746.6	0.00	0.00	0.00
15,600.0	90.00	359.56	12,550.0	2,845.9	-73.0	2,846.6	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3641.0usft
Site:	Neptune 10 State Com	**MD Reference:**	KB = 25' @ 3641.0usft
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #0.1	**Database:**	EDM 5000.1 Single User Db

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)
15,700.0	90.00	359.56	12,550.0	2,945.9	-73.8	2,946.6	0.00	0.00	0.00
15,800.0	90.00	359.56	12,550.0	3,045.9	-74.5	3,046.6	0.00	0.00	0.00
15,900.0	90.00	359.56	12,550.0	3,145.9	-75.3	3,146.6	0.00	0.00	0.00
16,000.0	90.00	359.56	12,550.0	3,245.9	-76.1	3,246.6	0.00	0.00	0.00
16,100.0	90.00	359.56	12,550.0	3,345.9	-76.8	3,346.6	0.00	0.00	0.00
16,200.0	90.00	359.56	12,550.0	3,445.9	-77.6	3,446.6	0.00	0.00	0.00
16,300.0	90.00	359.56	12,550.0	3,545.9	-78.4	3,546.6	0.00	0.00	0.00
16,400.0	90.00	359.56	12,550.0	3,645.9	-79.1	3,646.6	0.00	0.00	0.00
16,500.0	90.00	359.56	12,550.0	3,745.9	-79.9	3,746.6	0.00	0.00	0.00
16,600.0	90.00	359.56	12,550.0	3,845.9	-80.7	3,846.6	0.00	0.00	0.00
16,700.0	90.00	359.56	12,550.0	3,945.9	-81.5	3,946.6	0.00	0.00	0.00
16,800.0	90.00	359.56	12,550.0	4,045.9	-82.2	4,046.6	0.00	0.00	0.00
16,900.0	90.00	359.56	12,550.0	4,145.9	-83.0	4,146.6	0.00	0.00	0.00
17,000.0	90.00	359.56	12,550.0	4,245.9	-83.8	4,246.6	0.00	0.00	0.00
17,100.0	90.00	359.56	12,550.0	4,345.9	-84.5	4,346.6	0.00	0.00	0.00
17,200.0	90.00	359.56	12,550.0	4,445.9	-85.3	4,446.6	0.00	0.00	0.00
17,300.0	90.00	359.56	12,550.0	4,545.9	-86.1	4,546.6	0.00	0.00	0.00
17,400.0	90.00	359.56	12,550.0	4,645.9	-86.8	4,646.6	0.00	0.00	0.00
17,500.0	90.00	359.56	12,550.0	4,745.9	-87.6	4,746.6	0.00	0.00	0.00
17,600.0	90.00	359.56	12,550.0	4,845.9	-88.4	4,846.6	0.00	0.00	0.00
17,700.0	90.00	359.56	12,550.0	4,945.8	-89.1	4,946.6	0.00	0.00	0.00
17,800.0	90.00	359.56	12,550.0	5,045.8	-89.9	5,046.6	0.00	0.00	0.00
17,900.0	90.00	359.56	12,550.0	5,145.8	-90.7	5,146.6	0.00	0.00	0.00
18,000.0	90.00	359.56	12,550.0	5,245.8	-91.4	5,246.6	0.00	0.00	0.00
18,100.0	90.00	359.56	12,550.0	5,345.8	-92.2	5,346.6	0.00	0.00	0.00
18,200.0	90.00	359.56	12,550.0	5,445.8	-93.0	5,446.6	0.00	0.00	0.00
18,300.0	90.00	359.56	12,550.0	5,545.8	-93.7	5,546.6	0.00	0.00	0.00
18,400.0	90.00	359.56	12,550.0	5,645.8	-94.5	5,646.6	0.00	0.00	0.00
18,500.0	90.00	359.56	12,550.0	5,745.8	-95.3	5,746.6	0.00	0.00	0.00
18,600.0	90.00	359.56	12,550.0	5,845.8	-96.0	5,846.6	0.00	0.00	0.00
18,700.0	90.00	359.56	12,550.0	5,945.8	-96.8	5,946.6	0.00	0.00	0.00
18,800.0	90.00	359.56	12,550.0	6,045.8	-97.6	6,046.6	0.00	0.00	0.00
18,900.0	90.00	359.56	12,550.0	6,145.8	-98.3	6,146.6	0.00	0.00	0.00
19,000.0	90.00	359.56	12,550.0	6,245.8	-99.1	6,246.6	0.00	0.00	0.00
19,100.0	90.00	359.56	12,550.0	6,345.8	-99.9	6,346.6	0.00	0.00	0.00
19,200.0	90.00	359.56	12,550.0	6,445.8	-100.6	6,446.6	0.00	0.00	0.00
19,300.0	90.00	359.56	12,550.0	6,545.8	-101.4	6,546.6	0.00	0.00	0.00
19,400.0	90.00	359.56	12,550.0	6,645.8	-102.2	6,646.6	0.00	0.00	0.00
19,500.0	90.00	359.56	12,550.0	6,745.8	-103.0	6,746.6	0.00	0.00	0.00
19,600.0	90.00	359.56	12,550.0	6,845.8	-103.7	6,846.6	0.00	0.00	0.00
19,700.0	90.00	359.56	12,550.0	6,945.8	-104.5	6,946.6	0.00	0.00	0.00
19,800.0	90.00	359.56	12,550.0	7,045.8	-105.3	7,046.6	0.00	0.00	0.00
19,900.0	90.00	359.56	12,550.0	7,145.8	-106.0	7,146.6	0.00	0.00	0.00

Company:	EOG Resources - Midland	**Local Co-ordinate Reference:**	Well #701H
Project:	Lea County, NM (NAD 27 NME)	**TVD Reference:**	KB = 25' @ 3641.0usft
Site:	Neptune 10 State Com	**MD Reference:**	KB = 25' @ 3641.0usft
Well:	#701H	**North Reference:**	Grid
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	Plan #0.1	**Database:**	EDM 5000.1 Single User Db

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)
20,000.0	90.00	359.56	12,550.0	7,245.8	-106.8	7,246.6	0.00	0.00	0.00
20,100.0	90.00	359.56	12,550.0	7,345.8	-107.6	7,346.6	0.00	0.00	0.00
20,200.0	90.00	359.56	12,550.0	7,445.8	-108.3	7,446.6	0.00	0.00	0.00
20,300.0	90.00	359.56	12,550.0	7,545.8	-109.1	7,546.6	0.00	0.00	0.00
20,400.0	90.00	359.56	12,550.0	7,645.8	-109.9	7,646.6	0.00	0.00	0.00
20,500.0	90.00	359.56	12,550.0	7,745.8	-110.6	7,746.5	0.00	0.00	0.00
20,600.0	90.00	359.56	12,550.0	7,845.8	-111.4	7,846.5	0.00	0.00	0.00
20,700.0	90.00	359.56	12,550.0	7,945.8	-112.2	7,946.5	0.00	0.00	0.00
20,800.0	90.00	359.56	12,550.0	8,045.8	-112.9	8,046.5	0.00	0.00	0.00
20,900.0	90.00	359.56	12,550.0	8,145.8	-113.7	8,146.5	0.00	0.00	0.00
21,000.0	90.00	359.56	12,550.0	8,245.8	-114.5	8,246.5	0.00	0.00	0.00
21,100.0	90.00	359.56	12,550.0	8,345.7	-115.2	8,346.5	0.00	0.00	0.00
21,200.0	90.00	359.56	12,550.0	8,445.7	-116.0	8,446.5	0.00	0.00	0.00
21,300.0	90.00	359.56	12,550.0	8,545.7	-116.8	8,546.5	0.00	0.00	0.00
21,400.0	90.00	359.56	12,550.0	8,645.7	-117.5	8,646.5	0.00	0.00	0.00
21,500.0	90.00	359.56	12,550.0	8,745.7	-118.3	8,746.5	0.00	0.00	0.00
21,600.0	90.00	359.56	12,550.0	8,845.7	-119.1	8,846.5	0.00	0.00	0.00
21,700.0	90.00	359.56	12,550.0	8,945.7	-119.8	8,946.5	0.00	0.00	0.00
21,800.0	90.00	359.56	12,550.0	9,045.7	-120.6	9,046.5	0.00	0.00	0.00
21,900.0	90.00	359.56	12,550.0	9,145.7	-121.4	9,146.5	0.00	0.00	0.00
22,000.0	90.00	359.56	12,550.0	9,245.7	-122.2	9,246.5	0.00	0.00	0.00
22,100.0	90.00	359.56	12,550.0	9,345.7	-122.9	9,346.5	0.00	0.00	0.00
22,200.0	90.00	359.56	12,550.0	9,445.7	-123.7	9,446.5	0.00	0.00	0.00
22,300.0	90.00	359.56	12,550.0	9,545.7	-124.5	9,546.5	0.00	0.00	0.00
22,400.0	90.00	359.56	12,550.0	9,645.7	-125.2	9,646.5	0.00	0.00	0.00
22,500.0	90.00	359.56	12,550.0	9,745.7	-126.0	9,746.5	0.00	0.00	0.00
22,600.0	90.00	359.56	12,550.0	9,845.7	-126.8	9,846.5	0.00	0.00	0.00
22,631.3	90.00	359.56	12,550.0	9,877.0	-127.0	9,877.8	0.00	0.00	0.00
PBHL(Nep 10 ST Com #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
FTP(Nep 10 ST Com #7	0.00	0.01	12,550.0	-121.0	-50.0	446,659.00	736,927.00	32° 13' 32.378 N	103° 34' 1.802 W
- plan misses target center by 40.3usft at 12644.2usft MD (12513.0 TVD, -104.9 N, -50.1 E)									
- Point									
PBHL(Nep 10 ST Com :	0.00	0.01	12,550.0	9,877.0	-127.0	456,657.00	736,850.00	32° 15' 11.318 N	103° 34' 1.868 W
- plan hits target center									
- Point									

Checked By: _____ Approved By: _____ Date: _____