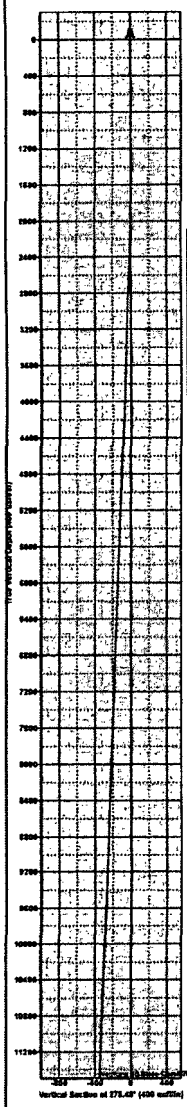
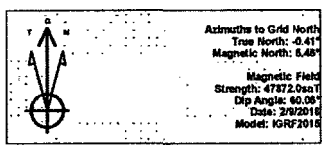
eog resources

Lea County, NM (NAD 83 NME)

Neptune 10 State Com #708H

Plan #0.1





To convert a Magnetic Direction to a Grid Direction, Add 6.48°
To convert a Magnetic Direction to a True Direction, Add 6.89° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

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: #708H

3613.0
KB = 25' @ 3634.0usft

Northing	Easting	Latitude	Longitude
448491.00	780879.00	32° 13' 30.383 N	103° 33' 51.323 W

SECTION DETAILS

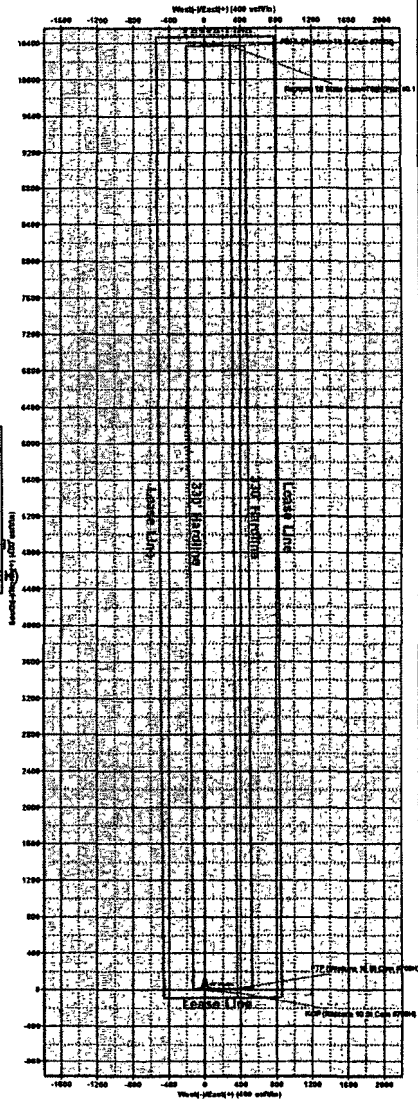
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	
3	2106.1	2.12	95.48	2106.1	-0.2	2.0	2.00	95.48	-0.1	
4	11899.1	2.12	95.48	11892.4	-34.8	383.0	0.00	0.00	-24.7	
5	12005.3	0.00	0.00	11998.5	-35.0	385.0	2.00	180.00	-24.9	KOP (Neptune 10 St Com #708H)
6	12755.3	90.00	359.58	12476.0	442.5	361.5	12.00	359.58	452.3	
7	22686.1	90.00	359.58	12476.0	10373.0	288.0	0.00	0.00	10377.0	PBHL (Neptune 10 St Com #708H)

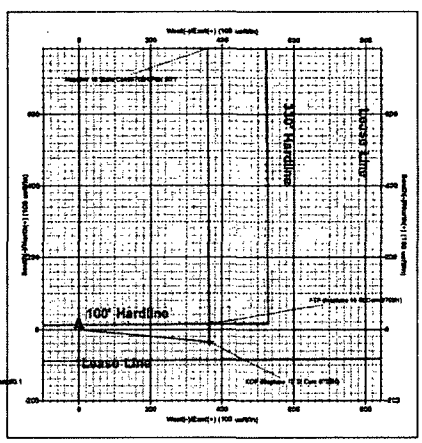
CASING DETAILS

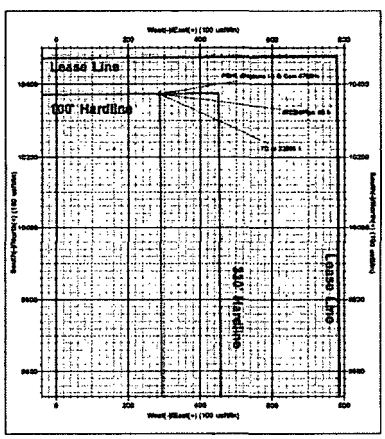
No casing data is available

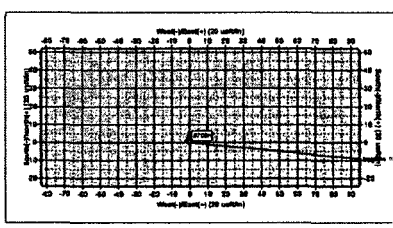
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

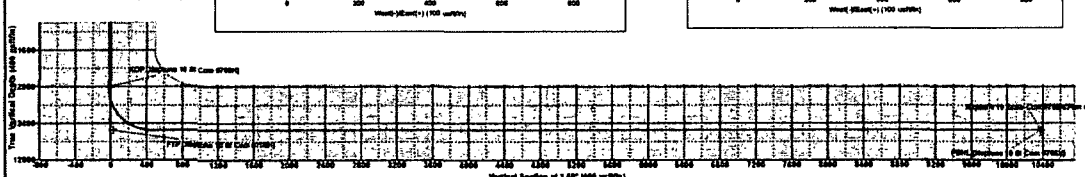
Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (Neptune 10 St Com #708H)	11998.5	-35.0	385.0	448456.00	781244.00
FTP (Neptune 10 St Com #708H)	12476.0	15.0	385.0	448506.00	781244.00
PBHL (Neptune 10 St Com #708H)	12476.0	10373.0	288.0	458864.00	781167.00

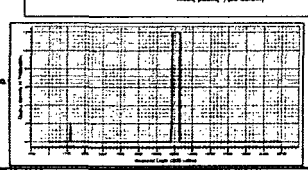












eog resources

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Neptune 10 State Com
#708H

OH

Plan: Plan #0.1

Standard Planning Report

30 August, 2018

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3634.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3634.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#708H	**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 Neptune 10 State Com

Site Position:		**Northing:**	446,557.00 usft	**Latitude:**	32° 13' 31.172 N
From:	Map	**Easting:**	778,964.00 usft	**Longitude:**	103° 33' 53.609 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.41 °

Well #708H

Well Position	**+N/-S**	-66.0 usft	**Northing:**	446,491.00 usft	**Latitude:**	32° 13' 30.383 N
	+E/-W	1,915.0 usft	**Easting:**	780,879.00 usft	**Longitude:**	103° 33' 31.323 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,613.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/9/2018	6.88	60.06	47,872.01614685

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	1.59

Plan Survey Tool Program **Date** 8/30/2018

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,686.1	Plan #0.1 (OH)	MWD	
				OWSG MWD - Standard	

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,106.1	2.12	95.48	2,106.1	-0.2	2.0	2.00	2.00	0.00	95.48	
11,899.1	2.12	95.48	11,892.4	-34.8	363.0	0.00	0.00	0.00	0.00	
12,005.3	0.00	0.01	11,998.5	-35.0	365.0	2.00	-2.00	0.00	180.00	KOP (Neptune 10 St (
12,755.3	90.00	359.58	12,476.0	442.5	361.5	12.00	12.00	-0.06	359.58	
22,686.1	90.00	359.58	12,476.0	10,373.0	288.0	0.00	0.00	0.00	0.00	PBHL (Neptune 10 St

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3634.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3634.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#708H	**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
2,106.1	2.12	95.48	2,106.1	-0.2	2.0	-0.1	2.00	2.00	0.00
2,200.0	2.12	95.48	2,199.9	-0.5	5.4	-0.4	0.00	0.00	0.00
2,300.0	2.12	95.48	2,299.8	-0.9	9.1	-0.6	0.00	0.00	0.00
2,400.0	2.12	95.48	2,399.8	-1.2	12.8	-0.9	0.00	0.00	0.00
2,500.0	2.12	95.48	2,499.7	-1.6	16.5	-1.1	0.00	0.00	0.00
2,600.0	2.12	95.48	2,599.6	-1.9	20.2	-1.4	0.00	0.00	0.00
2,700.0	2.12	95.48	2,699.6	-2.3	23.9	-1.6	0.00	0.00	0.00
2,800.0	2.12	95.48	2,799.5	-2.6	27.5	-1.9	0.00	0.00	0.00
2,900.0	2.12	95.48	2,899.4	-3.0	31.2	-2.1	0.00	0.00	0.00
3,000.0	2.12	95.48	2,999.4	-3.3	34.9	-2.4	0.00	0.00	0.00
3,100.0	2.12	95.48	3,099.3	-3.7	38.6	-2.6	0.00	0.00	0.00
3,200.0	2.12	95.48	3,199.2	-4.1	42.3	-2.9	0.00	0.00	0.00
3,300.0	2.12	95.48	3,299.2	-4.4	46.0	-3.1	0.00	0.00	0.00
3,400.0	2.12	95.48	3,399.1	-4.8	49.7	-3.4	0.00	0.00	0.00
3,500.0	2.12	95.48	3,499.0	-5.1	53.4	-3.6	0.00	0.00	0.00
3,600.0	2.12	95.48	3,599.0	-5.5	57.0	-3.9	0.00	0.00	0.00
3,700.0	2.12	95.48	3,698.9	-5.8	60.7	-4.1	0.00	0.00	0.00
3,800.0	2.12	95.48	3,798.8	-6.2	64.4	-4.4	0.00	0.00	0.00
3,900.0	2.12	95.48	3,898.7	-6.5	68.1	-4.6	0.00	0.00	0.00
4,000.0	2.12	95.48	3,998.7	-6.9	71.8	-4.9	0.00	0.00	0.00
4,100.0	2.12	95.48	4,098.6	-7.2	75.5	-5.1	0.00	0.00	0.00
4,200.0	2.12	95.48	4,198.5	-7.6	79.2	-5.4	0.00	0.00	0.00
4,300.0	2.12	95.48	4,298.5	-7.9	82.8	-5.6	0.00	0.00	0.00
4,400.0	2.12	95.48	4,398.4	-8.3	86.5	-5.9	0.00	0.00	0.00
4,500.0	2.12	95.48	4,498.3	-8.7	90.2	-6.1	0.00	0.00	0.00
4,600.0	2.12	95.48	4,598.3	-9.0	93.9	-6.4	0.00	0.00	0.00
4,700.0	2.12	95.48	4,698.2	-9.4	97.6	-6.6	0.00	0.00	0.00
4,800.0	2.12	95.48	4,798.1	-9.7	101.3	-6.9	0.00	0.00	0.00
4,900.0	2.12	95.48	4,898.1	-10.1	105.0	-7.1	0.00	0.00	0.00
5,000.0	2.12	95.48	4,998.0	-10.4	108.7	-7.4	0.00	0.00	0.00
5,100.0	2.12	95.48	5,097.9	-10.8	112.3	-7.7	0.00	0.00	0.00
5,200.0	2.12	95.48	5,197.9	-11.1	116.0	-7.9	0.00	0.00	0.00
5,300.0	2.12	95.48	5,297.8	-11.5	119.7	-8.2	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3634.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3634.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#708H	**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)
5,400.0	2.12	95.48	5,397.7	-11.8	123.4	-8.4	0.00	0.00	0.00
5,500.0	2.12	95.48	5,497.6	-12.2	127.1	-8.7	0.00	0.00	0.00
5,600.0	2.12	95.48	5,597.6	-12.5	130.8	-8.9	0.00	0.00	0.00
5,700.0	2.12	95.48	5,697.5	-12.9	134.5	-9.2	0.00	0.00	0.00
5,800.0	2.12	95.48	5,797.4	-13.2	138.2	-9.4	0.00	0.00	0.00
5,900.0	2.12	95.48	5,897.4	-13.6	141.8	-9.7	0.00	0.00	0.00
6,000.0	2.12	95.48	5,997.3	-14.0	145.5	-9.9	0.00	0.00	0.00
6,100.0	2.12	95.48	6,097.2	-14.3	149.2	-10.2	0.00	0.00	0.00
6,200.0	2.12	95.48	6,197.2	-14.7	152.9	-10.4	0.00	0.00	0.00
6,300.0	2.12	95.48	6,297.1	-15.0	156.6	-10.7	0.00	0.00	0.00
6,400.0	2.12	95.48	6,397.0	-15.4	160.3	-10.9	0.00	0.00	0.00
6,500.0	2.12	95.48	6,497.0	-15.7	164.0	-11.2	0.00	0.00	0.00
6,600.0	2.12	95.48	6,596.9	-16.1	167.7	-11.4	0.00	0.00	0.00
6,700.0	2.12	95.48	6,696.8	-16.4	171.3	-11.7	0.00	0.00	0.00
6,800.0	2.12	95.48	6,796.8	-16.8	175.0	-11.9	0.00	0.00	0.00
6,900.0	2.12	95.48	6,896.7	-17.1	178.7	-12.2	0.00	0.00	0.00
7,000.0	2.12	95.48	6,996.6	-17.5	182.4	-12.4	0.00	0.00	0.00
7,100.0	2.12	95.48	7,096.5	-17.8	186.1	-12.7	0.00	0.00	0.00
7,200.0	2.12	95.48	7,196.5	-18.2	189.8	-12.9	0.00	0.00	0.00
7,300.0	2.12	95.48	7,296.4	-18.6	193.5	-13.2	0.00	0.00	0.00
7,400.0	2.12	95.48	7,396.3	-18.9	197.2	-13.4	0.00	0.00	0.00
7,500.0	2.12	95.48	7,496.3	-19.3	200.8	-13.7	0.00	0.00	0.00
7,600.0	2.12	95.48	7,596.2	-19.6	204.5	-13.9	0.00	0.00	0.00
7,700.0	2.12	95.48	7,696.1	-20.0	208.2	-14.2	0.00	0.00	0.00
7,800.0	2.12	95.48	7,796.1	-20.3	211.9	-14.4	0.00	0.00	0.00
7,900.0	2.12	95.48	7,896.0	-20.7	215.6	-14.7	0.00	0.00	0.00
8,000.0	2.12	95.48	7,995.9	-21.0	219.3	-14.9	0.00	0.00	0.00
8,100.0	2.12	95.48	8,095.9	-21.4	223.0	-15.2	0.00	0.00	0.00
8,200.0	2.12	95.48	8,195.8	-21.7	226.6	-15.4	0.00	0.00	0.00
8,300.0	2.12	95.48	8,295.7	-22.1	230.3	-15.7	0.00	0.00	0.00
8,400.0	2.12	95.48	8,395.7	-22.4	234.0	-15.9	0.00	0.00	0.00
8,500.0	2.12	95.48	8,495.6	-22.8	237.7	-16.2	0.00	0.00	0.00
8,600.0	2.12	95.48	8,595.5	-23.1	241.4	-16.4	0.00	0.00	0.00
8,700.0	2.12	95.48	8,695.5	-23.5	245.1	-16.7	0.00	0.00	0.00
8,800.0	2.12	95.48	8,795.4	-23.9	248.8	-16.9	0.00	0.00	0.00
8,900.0	2.12	95.48	8,895.3	-24.2	252.5	-17.2	0.00	0.00	0.00
9,000.0	2.12	95.48	8,995.2	-24.6	256.1	-17.4	0.00	0.00	0.00
9,100.0	2.12	95.48	9,095.2	-24.9	259.8	-17.7	0.00	0.00	0.00
9,200.0	2.12	95.48	9,195.1	-25.3	263.5	-17.9	0.00	0.00	0.00
9,300.0	2.12	95.48	9,295.0	-25.6	267.2	-18.2	0.00	0.00	0.00
9,400.0	2.12	95.48	9,395.0	-26.0	270.9	-18.4	0.00	0.00	0.00
9,500.0	2.12	95.48	9,494.9	-26.3	274.6	-18.7	0.00	0.00	0.00
9,600.0	2.12	95.48	9,594.8	-26.7	278.3	-19.0	0.00	0.00	0.00
9,700.0	2.12	95.48	9,694.8	-27.0	282.0	-19.2	0.00	0.00	0.00
9,800.0	2.12	95.48	9,794.7	-27.4	285.6	-19.5	0.00	0.00	0.00
9,900.0	2.12	95.48	9,894.6	-27.7	289.3	-19.7	0.00	0.00	0.00
10,000.0	2.12	95.48	9,994.6	-28.1	293.0	-20.0	0.00	0.00	0.00
10,100.0	2.12	95.48	10,094.5	-28.5	296.7	-20.2	0.00	0.00	0.00
10,200.0	2.12	95.48	10,194.4	-28.8	300.4	-20.5	0.00	0.00	0.00
10,300.0	2.12	95.48	10,294.4	-29.2	304.1	-20.7	0.00	0.00	0.00
10,400.0	2.12	95.48	10,394.3	-29.5	307.8	-21.0	0.00	0.00	0.00
10,500.0	2.12	95.48	10,494.2	-29.9	311.5	-21.2	0.00	0.00	0.00
10,600.0	2.12	95.48	10,594.1	-30.2	315.1	-21.5	0.00	0.00	0.00
10,700.0	2.12	95.48	10,694.1	-30.6	318.8	-21.7	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3634.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3634.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#708H	**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)
10,800.0	2.12	95.48	10,794.0	-30.9	322.5	-22.0	0.00	0.00	0.00
10,900.0	2.12	95.48	10,893.9	-31.3	326.2	-22.2	0.00	0.00	0.00
11,000.0	2.12	95.48	10,993.9	-31.6	329.9	-22.5	0.00	0.00	0.00
11,100.0	2.12	95.48	11,093.8	-32.0	333.6	-22.7	0.00	0.00	0.00
11,200.0	2.12	95.48	11,193.7	-32.3	337.3	-23.0	0.00	0.00	0.00
11,300.0	2.12	95.48	11,293.7	-32.7	341.0	-23.2	0.00	0.00	0.00
11,400.0	2.12	95.48	11,393.6	-33.0	344.6	-23.5	0.00	0.00	0.00
11,500.0	2.12	95.48	11,493.5	-33.4	348.3	-23.7	0.00	0.00	0.00
11,600.0	2.12	95.48	11,593.5	-33.8	352.0	-24.0	0.00	0.00	0.00
11,700.0	2.12	95.48	11,693.4	-34.1	355.7	-24.2	0.00	0.00	0.00
11,800.0	2.12	95.48	11,793.3	-34.5	359.4	-24.5	0.00	0.00	0.00
11,899.1	2.12	95.48	11,892.4	-34.8	363.0	-24.7	0.00	0.00	0.00
12,005.3	0.00	0.01	11,998.5	-35.0	365.0	-24.9	2.00	-2.00	0.00
KOP (Neptune 10 St Com #708H)									
12,025.0	2.37	359.58	12,018.2	-34.6	365.0	-24.4	12.00	12.00	0.00
12,050.0	5.37	359.58	12,043.2	-32.9	365.0	-22.8	12.00	12.00	0.00
12,075.0	8.37	359.58	12,068.0	-29.9	365.0	-19.8	12.00	12.00	0.00
12,100.0	11.37	359.58	12,092.6	-25.6	364.9	-15.5	12.00	12.00	0.00
12,125.0	14.37	359.58	12,117.0	-20.1	364.9	-9.9	12.00	12.00	0.00
12,150.0	17.37	359.58	12,141.0	-13.2	364.8	-3.1	12.00	12.00	0.00
12,175.0	20.37	359.58	12,164.7	-5.1	364.8	5.0	12.00	12.00	0.00
12,200.0	23.37	359.58	12,187.9	4.2	364.7	14.3	12.00	12.00	0.00
12,225.0	26.37	359.58	12,210.6	14.7	364.6	24.8	12.00	12.00	0.00
12,250.0	29.37	359.58	12,232.7	26.4	364.5	36.5	12.00	12.00	0.00
12,275.0	32.37	359.58	12,254.1	39.2	364.5	49.3	12.00	12.00	0.00
12,300.0	35.37	359.58	12,274.9	53.1	364.3	63.2	12.00	12.00	0.00
12,325.0	38.37	359.58	12,294.9	68.1	364.2	78.2	12.00	12.00	0.00
12,350.0	41.37	359.58	12,314.1	84.1	364.1	94.2	12.00	12.00	0.00
12,375.0	44.37	359.58	12,332.4	101.1	364.0	111.2	12.00	12.00	0.00
12,400.0	47.37	359.58	12,349.8	119.1	363.9	129.1	12.00	12.00	0.00
12,404.6	47.92	359.58	12,352.9	122.5	363.8	132.6	12.00	12.00	0.00
FTP (Neptune 10 St Com #708H)									
12,425.0	50.37	359.58	12,366.2	137.9	363.7	147.9	12.00	12.00	0.00
12,450.0	53.37	359.58	12,381.7	157.6	363.6	167.6	12.00	12.00	0.00
12,475.0	56.37	359.58	12,396.0	178.0	363.4	188.0	12.00	12.00	0.00
12,500.0	59.37	359.58	12,409.3	199.2	363.3	209.2	12.00	12.00	0.00
12,525.0	62.37	359.58	12,421.5	221.0	363.1	231.0	12.00	12.00	0.00
12,550.0	65.37	359.58	12,432.5	243.5	362.9	253.4	12.00	12.00	0.00
12,575.0	68.37	359.58	12,442.3	266.4	362.8	276.4	12.00	12.00	0.00
12,600.0	71.37	359.58	12,450.9	289.9	362.6	299.9	12.00	12.00	0.00
12,625.0	74.37	359.58	12,458.3	313.8	362.4	323.7	12.00	12.00	0.00
12,650.0	77.37	359.58	12,464.4	338.0	362.2	348.0	12.00	12.00	0.00
12,675.0	80.37	359.58	12,469.2	362.6	362.1	372.5	12.00	12.00	0.00
12,700.0	83.37	359.58	12,472.8	387.3	361.9	397.2	12.00	12.00	0.00
12,725.0	86.37	359.58	12,475.0	412.2	361.7	422.1	12.00	12.00	0.00
12,750.0	89.37	359.58	12,475.9	437.2	361.5	447.0	12.00	12.00	0.00
12,755.3	90.00	359.58	12,476.0	442.5	361.5	452.3	12.00	12.00	0.00
12,800.0	90.00	359.58	12,476.0	487.2	361.1	497.0	0.00	0.00	0.00
12,900.0	90.00	359.58	12,476.0	587.2	360.4	597.0	0.00	0.00	0.00
13,000.0	90.00	359.58	12,476.0	687.2	359.7	696.9	0.00	0.00	0.00
13,100.0	90.00	359.58	12,476.0	787.2	358.9	796.8	0.00	0.00	0.00
13,200.0	90.00	359.58	12,476.0	887.2	358.2	896.8	0.00	0.00	0.00
13,300.0	90.00	359.58	12,476.0	987.2	357.4	996.7	0.00	0.00	0.00
13,400.0	90.00	359.58	12,476.0	1,087.2	356.7	1,096.6	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3634.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3634.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#708H	**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)
13,500.0	90.00	359.58	12,476.0	1,187.2	356.0	1,196.6	0.00	0.00	0.00
13,600.0	90.00	359.58	12,476.0	1,287.2	355.2	1,296.5	0.00	0.00	0.00
13,700.0	90.00	359.58	12,476.0	1,387.2	354.5	1,396.5	0.00	0.00	0.00
13,800.0	90.00	359.58	12,476.0	1,487.2	353.7	1,496.4	0.00	0.00	0.00
13,900.0	90.00	359.58	12,476.0	1,587.2	353.0	1,596.3	0.00	0.00	0.00
14,000.0	90.00	359.58	12,476.0	1,687.1	352.3	1,696.3	0.00	0.00	0.00
14,100.0	90.00	359.58	12,476.0	1,787.1	351.5	1,796.2	0.00	0.00	0.00
14,200.0	90.00	359.58	12,476.0	1,887.1	350.8	1,896.2	0.00	0.00	0.00
14,300.0	90.00	359.58	12,476.0	1,987.1	350.0	1,996.1	0.00	0.00	0.00
14,400.0	90.00	359.58	12,476.0	2,087.1	349.3	2,096.0	0.00	0.00	0.00
14,500.0	90.00	359.58	12,476.0	2,187.1	348.6	2,196.0	0.00	0.00	0.00
14,600.0	90.00	359.58	12,476.0	2,287.1	347.8	2,295.9	0.00	0.00	0.00
14,700.0	90.00	359.58	12,476.0	2,387.1	347.1	2,395.8	0.00	0.00	0.00
14,800.0	90.00	359.58	12,476.0	2,487.1	346.3	2,495.8	0.00	0.00	0.00
14,900.0	90.00	359.58	12,476.0	2,587.1	345.6	2,595.7	0.00	0.00	0.00
15,000.0	90.00	359.58	12,476.0	2,687.1	344.9	2,695.7	0.00	0.00	0.00
15,100.0	90.00	359.58	12,476.0	2,787.1	344.1	2,795.6	0.00	0.00	0.00
15,200.0	90.00	359.58	12,476.0	2,887.1	343.4	2,895.5	0.00	0.00	0.00
15,300.0	90.00	359.58	12,476.0	2,987.1	342.6	2,995.5	0.00	0.00	0.00
15,400.0	90.00	359.58	12,476.0	3,087.1	341.9	3,095.4	0.00	0.00	0.00
15,500.0	90.00	359.58	12,476.0	3,187.1	341.2	3,195.3	0.00	0.00	0.00
15,600.0	90.00	359.58	12,476.0	3,287.1	340.4	3,295.3	0.00	0.00	0.00
15,700.0	90.00	359.58	12,476.0	3,387.1	339.7	3,395.2	0.00	0.00	0.00
15,800.0	90.00	359.58	12,476.0	3,487.1	338.9	3,495.2	0.00	0.00	0.00
15,900.0	90.00	359.58	12,476.0	3,587.1	338.2	3,595.1	0.00	0.00	0.00
16,000.0	90.00	359.58	12,476.0	3,687.1	337.5	3,695.0	0.00	0.00	0.00
16,100.0	90.00	359.58	12,476.0	3,787.1	336.7	3,795.0	0.00	0.00	0.00
16,200.0	90.00	359.58	12,476.0	3,887.1	336.0	3,894.9	0.00	0.00	0.00
16,300.0	90.00	359.58	12,476.0	3,987.1	335.2	3,994.9	0.00	0.00	0.00
16,400.0	90.00	359.58	12,476.0	4,087.1	334.5	4,094.8	0.00	0.00	0.00
16,500.0	90.00	359.58	12,476.0	4,187.1	333.8	4,194.7	0.00	0.00	0.00
16,600.0	90.00	359.58	12,476.0	4,287.1	333.0	4,294.7	0.00	0.00	0.00
16,700.0	90.00	359.58	12,476.0	4,387.1	332.3	4,394.6	0.00	0.00	0.00
16,800.0	90.00	359.58	12,476.0	4,487.1	331.5	4,494.5	0.00	0.00	0.00
16,900.0	90.00	359.58	12,476.0	4,587.1	330.8	4,594.5	0.00	0.00	0.00
17,000.0	90.00	359.58	12,476.0	4,687.1	330.1	4,694.4	0.00	0.00	0.00
17,100.0	90.00	359.58	12,476.0	4,787.1	329.3	4,794.4	0.00	0.00	0.00
17,200.0	90.00	359.58	12,476.0	4,887.1	328.6	4,894.3	0.00	0.00	0.00
17,300.0	90.00	359.58	12,476.0	4,987.1	327.8	4,994.2	0.00	0.00	0.00
17,400.0	90.00	359.58	12,476.0	5,087.1	327.1	5,094.2	0.00	0.00	0.00
17,500.0	90.00	359.58	12,476.0	5,187.1	326.4	5,194.1	0.00	0.00	0.00
17,600.0	90.00	359.58	12,476.0	5,287.1	325.6	5,294.1	0.00	0.00	0.00
17,700.0	90.00	359.58	12,476.0	5,387.0	324.9	5,394.0	0.00	0.00	0.00
17,800.0	90.00	359.58	12,476.0	5,487.0	324.1	5,493.9	0.00	0.00	0.00
17,900.0	90.00	359.58	12,476.0	5,587.0	323.4	5,593.9	0.00	0.00	0.00
18,000.0	90.00	359.58	12,476.0	5,687.0	322.7	5,693.8	0.00	0.00	0.00
18,100.0	90.00	359.58	12,476.0	5,787.0	321.9	5,793.7	0.00	0.00	0.00
18,200.0	90.00	359.58	12,476.0	5,887.0	321.2	5,893.7	0.00	0.00	0.00
18,300.0	90.00	359.58	12,476.0	5,987.0	320.4	5,993.6	0.00	0.00	0.00
18,400.0	90.00	359.58	12,476.0	6,087.0	319.7	6,093.6	0.00	0.00	0.00
18,500.0	90.00	359.58	12,476.0	6,187.0	319.0	6,193.5	0.00	0.00	0.00
18,600.0	90.00	359.58	12,476.0	6,287.0	318.2	6,293.4	0.00	0.00	0.00
18,700.0	90.00	359.58	12,476.0	6,387.0	317.5	6,393.4	0.00	0.00	0.00
18,800.0	90.00	359.58	12,476.0	6,487.0	316.7	6,493.3	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3634.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3634.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#708H	**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)
18,900.0	90.00	359.58	12,476.0	6,587.0	316.0	6,593.2	0.00	0.00	0.00
19,000.0	90.00	359.58	12,476.0	6,687.0	315.3	6,693.2	0.00	0.00	0.00
19,100.0	90.00	359.58	12,476.0	6,787.0	314.5	6,793.1	0.00	0.00	0.00
19,200.0	90.00	359.58	12,476.0	6,887.0	313.8	6,893.1	0.00	0.00	0.00
19,300.0	90.00	359.58	12,476.0	6,987.0	313.1	6,993.0	0.00	0.00	0.00
19,400.0	90.00	359.58	12,476.0	7,087.0	312.3	7,092.9	0.00	0.00	0.00
19,500.0	90.00	359.58	12,476.0	7,187.0	311.6	7,192.9	0.00	0.00	0.00
19,600.0	90.00	359.58	12,476.0	7,287.0	310.8	7,292.8	0.00	0.00	0.00
19,700.0	90.00	359.58	12,476.0	7,387.0	310.1	7,392.8	0.00	0.00	0.00
19,800.0	90.00	359.58	12,476.0	7,487.0	309.4	7,492.7	0.00	0.00	0.00
19,900.0	90.00	359.58	12,476.0	7,587.0	308.6	7,592.6	0.00	0.00	0.00
20,000.0	90.00	359.58	12,476.0	7,687.0	307.9	7,692.6	0.00	0.00	0.00
20,100.0	90.00	359.58	12,476.0	7,787.0	307.1	7,792.5	0.00	0.00	0.00
20,200.0	90.00	359.58	12,476.0	7,887.0	306.4	7,892.4	0.00	0.00	0.00
20,300.0	90.00	359.58	12,476.0	7,987.0	305.7	7,992.4	0.00	0.00	0.00
20,400.0	90.00	359.58	12,476.0	8,087.0	304.9	8,092.3	0.00	0.00	0.00
20,500.0	90.00	359.58	12,476.0	8,187.0	304.2	8,192.3	0.00	0.00	0.00
20,600.0	90.00	359.58	12,476.0	8,287.0	303.4	8,292.2	0.00	0.00	0.00
20,700.0	90.00	359.58	12,476.0	8,387.0	302.7	8,392.1	0.00	0.00	0.00
20,800.0	90.00	359.58	12,476.0	8,487.0	302.0	8,492.1	0.00	0.00	0.00
20,900.0	90.00	359.58	12,476.0	8,587.0	301.2	8,592.0	0.00	0.00	0.00
21,000.0	90.00	359.58	12,476.0	8,687.0	300.5	8,691.9	0.00	0.00	0.00
21,100.0	90.00	359.58	12,476.0	8,787.0	299.7	8,791.9	0.00	0.00	0.00
21,200.0	90.00	359.58	12,476.0	8,887.0	299.0	8,891.8	0.00	0.00	0.00
21,300.0	90.00	359.58	12,476.0	8,986.9	298.3	8,991.8	0.00	0.00	0.00
21,400.0	90.00	359.58	12,476.0	9,086.9	297.5	9,091.7	0.00	0.00	0.00
21,500.0	90.00	359.58	12,476.0	9,186.9	296.8	9,191.6	0.00	0.00	0.00
21,600.0	90.00	359.58	12,476.0	9,286.9	296.0	9,291.6	0.00	0.00	0.00
21,700.0	90.00	359.58	12,476.0	9,386.9	295.3	9,391.5	0.00	0.00	0.00
21,800.0	90.00	359.58	12,476.0	9,486.9	294.6	9,491.5	0.00	0.00	0.00
21,900.0	90.00	359.58	12,476.0	9,586.9	293.8	9,591.4	0.00	0.00	0.00
22,000.0	90.00	359.58	12,476.0	9,686.9	293.1	9,691.3	0.00	0.00	0.00
22,100.0	90.00	359.58	12,476.0	9,786.9	292.3	9,791.3	0.00	0.00	0.00
22,200.0	90.00	359.58	12,476.0	9,886.9	291.6	9,891.2	0.00	0.00	0.00
22,300.0	90.00	359.58	12,476.0	9,986.9	290.9	9,991.1	0.00	0.00	0.00
22,400.0	90.00	359.58	12,476.0	10,086.9	290.1	10,091.1	0.00	0.00	0.00
22,500.0	90.00	359.58	12,476.0	10,186.9	289.4	10,191.0	0.00	0.00	0.00
22,600.0	90.00	359.58	12,476.0	10,286.9	288.6	10,291.0	0.00	0.00	0.00
22,686.1	90.00	359.58	12,476.0	10,373.0	288.0	10,377.0	0.00	0.00	0.00
PBHL (Neptune 10 St Com #708H)									

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #708H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25' @ 3634.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	KB = 25' @ 3634.0usft
Site:	Neptune 10 State Com	**North Reference:**	Grid
Well:	#708H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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
KOP (Neptune 10 St Co - plan hits target center - Point	0.00	0.01	11,998.5	-35.0	365.0	446,456.00	781,244.00	32° 13' 30.010 N	103° 33' 27.077 W
FTP (Neptune 10 St Cor - plan misses target center by 163.4usft at 12404.6usft MD (12352.9 TVD, 122.5 N, 363.8 E) - Point	0.00	0.00	12,476.0	15.0	365.0	446,506.00	781,244.00	32° 13' 30.505 N	103° 33' 27.073 W
PBHL (Neptune 10 St C - plan hits target center - Point	0.00	0.00	12,476.0	10,373.0	288.0	456,864.00	781,167.00	32° 15' 13.004 N	103° 33' 27.098 W