



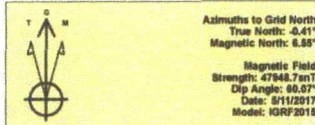
Lea County, NM (NAD 83 NME)
Neptune 10 State Com #702H
Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

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

WELL DETAILS: #702H

Ground Level: 3613.00
KB = 28' @ 3638.00ft
Northing: 446587.00 Easting: 778964.00 Latitude: 32.23532555 Longitude: -103.56489151



To convert a Magnetic Direction to a Grid Direction, Add 6.55°
To convert a Magnetic Direction to a True Direction, Add 6.96° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

SECTION DETAILS

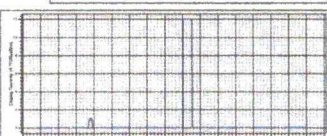
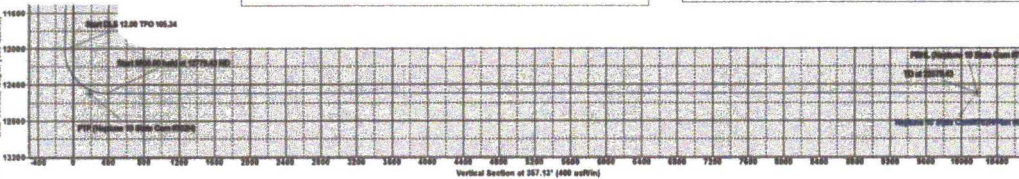
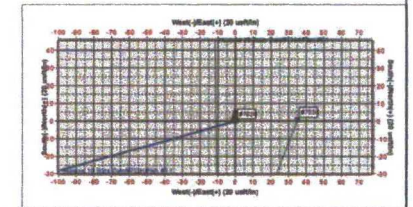
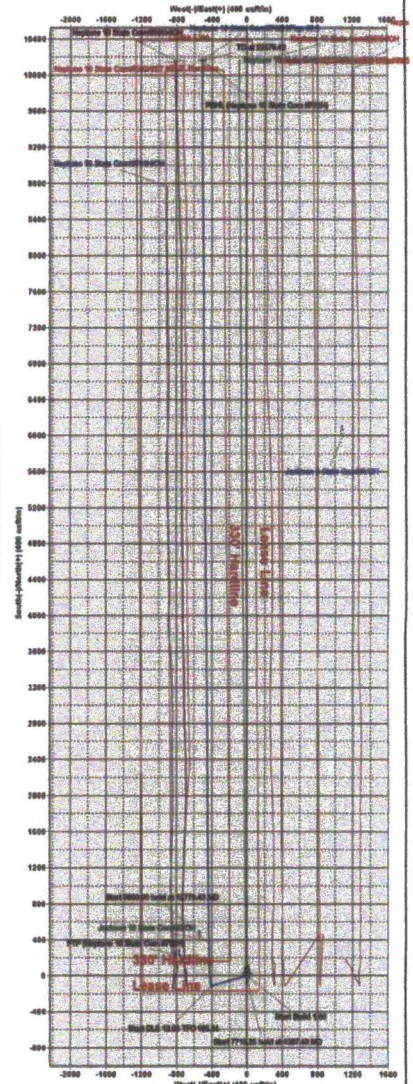
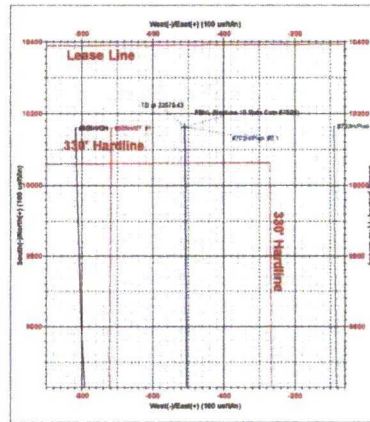
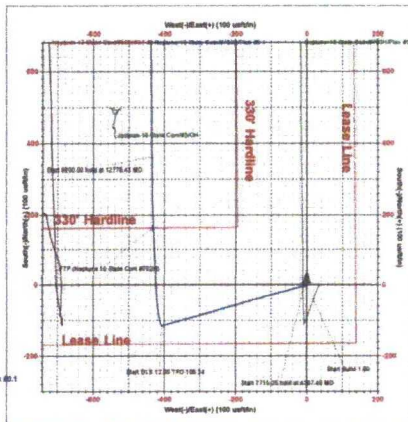
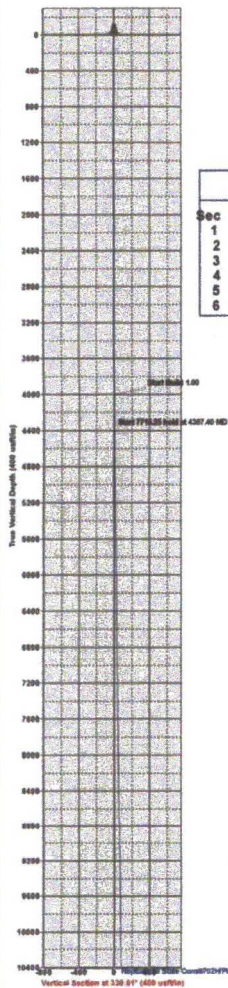
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V/Sect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4307.40	3.07	254.20	4307.26	-2.25	-7.93	1.00	254.20	-1.84	
4	12022.65	3.07	254.20	12011.40	-114.92	-406.03	0.00	0.00	-94.42	
5	12779.43	90.00	359.56	12495.00	362.29	-434.74	12.00	105.34	383.62	
6	22579.43	90.00	359.56	12495.00	10162.00	-510.00	0.00	0.00	10174.79	PBHL (Neptune 10 State Com #702H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Neptune 10 State Com #702H)	12495.00	163.00	-433.00	446720.00	778831.00
PBHL (Neptune 10 State Com #702H)	12495.00	10162.00	-510.00	446719.00	778464.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Neptune 10 State Com

#702H

OH

Plan: Plan #0.1

Standard Planning Report

11 May, 2017



EOG Resources, Inc. Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
Well: #702H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3638.00usft
MD Reference: KB = 25' @ 3638.00usft
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	Latitude: 32.22532555
From:	Map	Easting:	778,964.00 usft	Longitude: -103.56489151
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.41 °

Well	#702H			
Well Position	+N/-S	0.00 usft	Northing:	446,557.00 usft
	+E/-W	0.00 usft	Easting:	778,964.00 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level: 3,613.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/11/2017	6.96	60.07	47,949

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	357.13

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,307.40	3.07	254.20	4,307.26	-2.25	-7.93	1.00	1.00	0.00	254.20	
12,022.65	3.07	254.20	12,011.40	-114.92	-406.03	0.00	0.00	0.00	0.00	
12,779.43	90.00	359.56	12,495.00	362.29	-434.74	12.00	11.49	13.92	105.34	
22,579.43	90.00	359.56	12,495.00	10,162.00	-510.00	0.00	0.00	0.00	0.00	PBHL (Neptune 10 St)



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Neptune 10 State Com
 Well: #702H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 25' @ 3638.00usft
 MD Reference: KB = 25' @ 3638.00usft
 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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	1.00	254.20	4,100.00	-0.24	-0.84	-0.20	1.00	1.00	0.00
4,200.00	2.00	254.20	4,199.96	-0.95	-3.36	-0.78	1.00	1.00	0.00
4,307.40	3.07	254.20	4,307.26	-2.25	-7.93	-1.84	1.00	1.00	0.00
4,400.00	3.07	254.20	4,399.72	-3.60	-12.71	-2.96	0.00	0.00	0.00
4,500.00	3.07	254.20	4,499.58	-5.06	-17.87	-4.16	0.00	0.00	0.00
4,600.00	3.07	254.20	4,599.43	-6.52	-23.03	-5.36	0.00	0.00	0.00
4,700.00	3.07	254.20	4,699.29	-7.98	-28.19	-6.56	0.00	0.00	0.00
4,800.00	3.07	254.20	4,799.14	-9.44	-33.35	-7.76	0.00	0.00	0.00
4,900.00	3.07	254.20	4,899.00	-10.90	-38.51	-8.96	0.00	0.00	0.00
5,000.00	3.07	254.20	4,998.86	-12.36	-43.67	-10.16	0.00	0.00	0.00
5,100.00	3.07	254.20	5,098.71	-13.82	-48.83	-11.36	0.00	0.00	0.00
5,200.00	3.07	254.20	5,198.57	-15.28	-53.99	-12.56	0.00	0.00	0.00
5,300.00	3.07	254.20	5,298.42	-16.74	-59.15	-13.76	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 83 NME)
 Site: Neptune 10 State Com
 Well: #702H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
 TVD Reference: KB = 25' @ 3638.00usft
 MD Reference: KB = 25' @ 3638.00usft
 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)
5,400.00	3.07	254.20	5,398.28	-18.20	-64.31	-14.96	0.00	0.00	0.00
5,500.00	3.07	254.20	5,498.14	-19.66	-69.47	-16.16	0.00	0.00	0.00
5,600.00	3.07	254.20	5,597.99	-21.12	-74.63	-17.36	0.00	0.00	0.00
5,700.00	3.07	254.20	5,697.85	-22.58	-79.79	-18.56	0.00	0.00	0.00
5,800.00	3.07	254.20	5,797.70	-24.04	-84.95	-19.76	0.00	0.00	0.00
5,900.00	3.07	254.20	5,897.56	-25.50	-90.11	-20.96	0.00	0.00	0.00
6,000.00	3.07	254.20	5,997.42	-26.96	-95.27	-22.16	0.00	0.00	0.00
6,100.00	3.07	254.20	6,097.27	-28.42	-100.43	-23.36	0.00	0.00	0.00
6,200.00	3.07	254.20	6,197.13	-29.89	-105.59	-24.56	0.00	0.00	0.00
6,300.00	3.07	254.20	6,296.99	-31.35	-110.75	-25.76	0.00	0.00	0.00
6,400.00	3.07	254.20	6,396.84	-32.81	-115.91	-26.96	0.00	0.00	0.00
6,500.00	3.07	254.20	6,496.70	-34.27	-121.07	-28.16	0.00	0.00	0.00
6,600.00	3.07	254.20	6,596.55	-35.73	-126.23	-29.36	0.00	0.00	0.00
6,700.00	3.07	254.20	6,696.41	-37.19	-131.39	-30.56	0.00	0.00	0.00
6,800.00	3.07	254.20	6,796.27	-38.65	-136.55	-31.76	0.00	0.00	0.00
6,900.00	3.07	254.20	6,896.12	-40.11	-141.71	-32.95	0.00	0.00	0.00
7,000.00	3.07	254.20	6,995.98	-41.57	-146.87	-34.15	0.00	0.00	0.00
7,100.00	3.07	254.20	7,095.83	-43.03	-152.03	-35.35	0.00	0.00	0.00
7,200.00	3.07	254.20	7,195.69	-44.49	-157.19	-36.55	0.00	0.00	0.00
7,300.00	3.07	254.20	7,295.55	-45.95	-162.35	-37.75	0.00	0.00	0.00
7,400.00	3.07	254.20	7,395.40	-47.41	-167.51	-38.95	0.00	0.00	0.00
7,500.00	3.07	254.20	7,495.26	-48.87	-172.67	-40.15	0.00	0.00	0.00
7,600.00	3.07	254.20	7,595.11	-50.33	-177.83	-41.35	0.00	0.00	0.00
7,700.00	3.07	254.20	7,694.97	-51.79	-182.99	-42.55	0.00	0.00	0.00
7,800.00	3.07	254.20	7,794.83	-53.25	-188.15	-43.75	0.00	0.00	0.00
7,900.00	3.07	254.20	7,894.68	-54.71	-193.31	-44.95	0.00	0.00	0.00
8,000.00	3.07	254.20	7,994.54	-56.17	-198.47	-46.15	0.00	0.00	0.00
8,100.00	3.07	254.20	8,094.40	-57.63	-203.63	-47.35	0.00	0.00	0.00
8,200.00	3.07	254.20	8,194.25	-59.09	-208.79	-48.55	0.00	0.00	0.00
8,300.00	3.07	254.20	8,294.11	-60.55	-213.95	-49.75	0.00	0.00	0.00
8,400.00	3.07	254.20	8,393.96	-62.01	-219.11	-50.95	0.00	0.00	0.00
8,500.00	3.07	254.20	8,493.82	-63.48	-224.27	-52.15	0.00	0.00	0.00
8,600.00	3.07	254.20	8,593.68	-64.94	-229.43	-53.35	0.00	0.00	0.00
8,700.00	3.07	254.20	8,693.53	-66.40	-234.59	-54.55	0.00	0.00	0.00
8,800.00	3.07	254.20	8,793.39	-67.86	-239.75	-55.75	0.00	0.00	0.00
8,900.00	3.07	254.20	8,893.24	-69.32	-244.91	-56.95	0.00	0.00	0.00
9,000.00	3.07	254.20	8,993.10	-70.78	-250.07	-58.15	0.00	0.00	0.00
9,100.00	3.07	254.20	9,092.96	-72.24	-255.23	-59.35	0.00	0.00	0.00
9,200.00	3.07	254.20	9,192.81	-73.70	-260.39	-60.55	0.00	0.00	0.00
9,300.00	3.07	254.20	9,292.67	-75.16	-265.55	-61.75	0.00	0.00	0.00
9,400.00	3.07	254.20	9,392.52	-76.62	-270.71	-62.95	0.00	0.00	0.00
9,500.00	3.07	254.20	9,492.38	-78.08	-275.87	-64.15	0.00	0.00	0.00
9,600.00	3.07	254.20	9,592.24	-79.54	-281.03	-65.35	0.00	0.00	0.00
9,700.00	3.07	254.20	9,692.09	-81.00	-286.19	-66.55	0.00	0.00	0.00
9,800.00	3.07	254.20	9,791.95	-82.46	-291.35	-67.75	0.00	0.00	0.00
9,900.00	3.07	254.20	9,891.81	-83.92	-296.51	-68.95	0.00	0.00	0.00
10,000.00	3.07	254.20	9,991.66	-85.38	-301.67	-70.15	0.00	0.00	0.00
10,100.00	3.07	254.20	10,091.52	-86.84	-306.83	-71.35	0.00	0.00	0.00
10,200.00	3.07	254.20	10,191.37	-88.30	-311.99	-72.55	0.00	0.00	0.00
10,300.00	3.07	254.20	10,291.23	-89.76	-317.15	-73.75	0.00	0.00	0.00
10,400.00	3.07	254.20	10,391.09	-91.22	-322.31	-74.95	0.00	0.00	0.00
10,500.00	3.07	254.20	10,490.94	-92.68	-327.47	-76.15	0.00	0.00	0.00
10,600.00	3.07	254.20	10,590.80	-94.14	-332.63	-77.35	0.00	0.00	0.00
10,700.00	3.07	254.20	10,690.65	-95.60	-337.79	-78.55	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

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Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
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' @ 3638.00usft
KB = 25' @ 3638.00usft
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)
10,800.00	3.07	254.20	10,790.51	-97.07	-342.95	-79.75	0.00	0.00	0.00
10,900.00	3.07	254.20	10,890.37	-98.53	-348.11	-80.95	0.00	0.00	0.00
11,000.00	3.07	254.20	10,990.22	-99.99	-353.27	-82.15	0.00	0.00	0.00
11,100.00	3.07	254.20	11,090.08	-101.45	-358.43	-83.35	0.00	0.00	0.00
11,200.00	3.07	254.20	11,189.93	-102.91	-363.59	-84.55	0.00	0.00	0.00
11,300.00	3.07	254.20	11,289.79	-104.37	-368.75	-85.75	0.00	0.00	0.00
11,400.00	3.07	254.20	11,389.65	-105.83	-373.91	-86.95	0.00	0.00	0.00
11,500.00	3.07	254.20	11,489.50	-107.29	-379.07	-88.15	0.00	0.00	0.00
11,600.00	3.07	254.20	11,589.36	-108.75	-384.23	-89.35	0.00	0.00	0.00
11,700.00	3.07	254.20	11,689.22	-110.21	-389.39	-90.55	0.00	0.00	0.00
11,800.00	3.07	254.20	11,789.07	-111.67	-394.55	-91.75	0.00	0.00	0.00
11,900.00	3.07	254.20	11,888.93	-113.13	-399.71	-92.95	0.00	0.00	0.00
12,000.00	3.07	254.20	11,988.78	-114.59	-404.87	-94.15	0.00	0.00	0.00
12,022.65	3.07	254.20	12,011.40	-114.92	-406.03	-94.42	0.00	0.00	0.00
12,025.00	3.01	259.38	12,013.75	-114.95	-406.16	-94.45	12.00	-2.65	220.56
12,050.00	3.86	309.37	12,038.71	-114.54	-407.45	-93.97	12.00	3.38	199.95
12,075.00	6.22	331.18	12,063.61	-112.82	-408.75	-92.19	12.00	9.44	87.24
12,100.00	8.97	340.40	12,088.39	-109.79	-410.06	-89.10	12.00	11.00	36.90
12,125.00	11.84	345.26	12,112.98	-105.48	-411.37	-84.73	12.00	11.49	19.42
12,150.00	14.76	348.23	12,137.30	-99.88	-412.67	-79.07	12.00	11.69	11.87
12,175.00	17.71	350.23	12,161.31	-93.01	-413.96	-72.14	12.00	11.79	8.00
12,200.00	20.67	351.67	12,184.91	-84.90	-415.25	-63.97	12.00	11.85	5.78
12,225.00	23.64	352.77	12,208.06	-75.55	-416.52	-54.58	12.00	11.89	4.38
12,250.00	26.62	353.63	12,230.70	-65.01	-417.77	-43.99	12.00	11.91	3.45
12,275.00	29.60	354.33	12,252.74	-53.30	-419.01	-32.23	12.00	11.93	2.80
12,300.00	32.59	354.91	12,274.15	-40.44	-420.21	-19.33	12.00	11.94	2.33
12,325.00	35.58	355.41	12,294.85	-26.49	-421.39	-5.33	12.00	11.95	1.98
12,350.00	38.56	355.84	12,314.80	-11.46	-422.54	9.73	12.00	11.96	1.71
12,375.00	41.55	356.21	12,333.93	4.59	-423.65	25.82	12.00	11.96	1.50
12,400.00	44.55	356.54	12,352.20	21.62	-424.73	42.88	12.00	11.97	1.33
12,425.00	47.54	356.84	12,369.55	39.58	-425.77	60.87	12.00	11.97	1.20
12,450.00	50.53	357.12	12,385.94	58.43	-426.76	79.75	12.00	11.97	1.09
12,475.00	53.52	357.37	12,401.32	78.11	-427.71	99.45	12.00	11.97	1.00
12,500.00	56.52	357.60	12,415.65	98.58	-428.61	119.94	12.00	11.98	0.92
12,525.00	59.51	357.81	12,428.89	119.76	-429.46	141.14	12.00	11.98	0.86
12,550.00	62.51	358.02	12,441.00	141.61	-430.25	163.00	12.00	11.98	0.81
12,575.00	65.50	358.21	12,451.96	164.07	-430.99	185.47	12.00	11.98	0.77
12,590.89	67.41	358.33	12,458.31	178.63	-431.43	200.03	12.00	11.98	0.74
FTP (Neptune 10 State Com #702H)									
12,600.00	68.50	358.39	12,461.72	187.07	-431.67	208.47	12.00	11.98	0.72
12,625.00	71.49	358.57	12,470.28	210.55	-432.30	231.95	12.00	11.98	0.70
12,650.00	74.49	358.74	12,477.59	234.45	-432.86	255.85	12.00	11.98	0.68
12,675.00	77.49	358.90	12,483.64	258.69	-433.36	280.09	12.00	11.98	0.66
12,700.00	80.48	359.06	12,488.42	283.23	-433.79	304.61	12.00	11.98	0.64
12,725.00	83.48	359.22	12,491.91	307.98	-434.16	329.35	12.00	11.98	0.63
12,750.00	86.47	359.38	12,494.09	332.88	-434.47	354.24	12.00	11.98	0.63
12,775.00	89.47	359.53	12,494.98	357.86	-434.71	379.20	12.00	11.98	0.62
12,779.43	90.00	359.56	12,495.00	362.29	-434.74	383.62	12.00	11.98	0.62
12,800.00	90.00	359.56	12,495.00	382.86	-434.90	404.17	0.00	0.00	0.00
12,900.00	90.00	359.56	12,495.00	482.85	-435.67	504.08	0.00	0.00	0.00
13,000.00	90.00	359.56	12,495.00	582.85	-436.44	603.99	0.00	0.00	0.00
13,100.00	90.00	359.56	12,495.00	682.85	-437.20	703.90	0.00	0.00	0.00
13,200.00	90.00	359.56	12,495.00	782.84	-437.97	803.81	0.00	0.00	0.00



EOG Resources, Inc.

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Site: Neptune 10 State Com
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' @ 3638.00usft
KB = 25' @ 3638.00usft
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)
13,300.00	90.00	359.56	12,495.00	882.84	-438.74	903.72	0.00	0.00	0.00
13,400.00	90.00	359.56	12,495.00	982.84	-439.51	1,003.63	0.00	0.00	0.00
13,500.00	90.00	359.56	12,495.00	1,082.84	-440.28	1,103.54	0.00	0.00	0.00
13,600.00	90.00	359.56	12,495.00	1,182.83	-441.04	1,203.45	0.00	0.00	0.00
13,700.00	90.00	359.56	12,495.00	1,282.83	-441.81	1,303.36	0.00	0.00	0.00
13,800.00	90.00	359.56	12,495.00	1,382.83	-442.58	1,403.27	0.00	0.00	0.00
13,900.00	90.00	359.56	12,495.00	1,482.82	-443.35	1,503.18	0.00	0.00	0.00
14,000.00	90.00	359.56	12,495.00	1,582.82	-444.12	1,603.09	0.00	0.00	0.00
14,100.00	90.00	359.56	12,495.00	1,682.82	-444.88	1,703.00	0.00	0.00	0.00
14,200.00	90.00	359.56	12,495.00	1,782.81	-445.65	1,802.91	0.00	0.00	0.00
14,300.00	90.00	359.56	12,495.00	1,882.81	-446.42	1,902.82	0.00	0.00	0.00
14,400.00	90.00	359.56	12,495.00	1,982.81	-447.19	2,002.73	0.00	0.00	0.00
14,500.00	90.00	359.56	12,495.00	2,082.81	-447.96	2,102.64	0.00	0.00	0.00
14,600.00	90.00	359.56	12,495.00	2,182.80	-448.72	2,202.55	0.00	0.00	0.00
14,700.00	90.00	359.56	12,495.00	2,282.80	-449.49	2,302.46	0.00	0.00	0.00
14,800.00	90.00	359.56	12,495.00	2,382.80	-450.26	2,402.37	0.00	0.00	0.00
14,900.00	90.00	359.56	12,495.00	2,482.79	-451.03	2,502.28	0.00	0.00	0.00
15,000.00	90.00	359.56	12,495.00	2,582.79	-451.79	2,602.19	0.00	0.00	0.00
15,100.00	90.00	359.56	12,495.00	2,682.79	-452.56	2,702.10	0.00	0.00	0.00
15,200.00	90.00	359.56	12,495.00	2,782.79	-453.33	2,802.01	0.00	0.00	0.00
15,300.00	90.00	359.56	12,495.00	2,882.78	-454.10	2,901.92	0.00	0.00	0.00
15,400.00	90.00	359.56	12,495.00	2,982.78	-454.87	3,001.83	0.00	0.00	0.00
15,500.00	90.00	359.56	12,495.00	3,082.78	-455.63	3,101.74	0.00	0.00	0.00
15,600.00	90.00	359.56	12,495.00	3,182.77	-456.40	3,201.65	0.00	0.00	0.00
15,700.00	90.00	359.56	12,495.00	3,282.77	-457.17	3,301.56	0.00	0.00	0.00
15,800.00	90.00	359.56	12,495.00	3,382.77	-457.94	3,401.47	0.00	0.00	0.00
15,900.00	90.00	359.56	12,495.00	3,482.76	-458.71	3,501.38	0.00	0.00	0.00
16,000.00	90.00	359.56	12,495.00	3,582.76	-459.47	3,601.29	0.00	0.00	0.00
16,100.00	90.00	359.56	12,495.00	3,682.76	-460.24	3,701.20	0.00	0.00	0.00
16,200.00	90.00	359.56	12,495.00	3,782.76	-461.01	3,801.11	0.00	0.00	0.00
16,300.00	90.00	359.56	12,495.00	3,882.75	-461.78	3,901.02	0.00	0.00	0.00
16,400.00	90.00	359.56	12,495.00	3,982.75	-462.55	4,000.93	0.00	0.00	0.00
16,500.00	90.00	359.56	12,495.00	4,082.75	-463.31	4,100.84	0.00	0.00	0.00
16,600.00	90.00	359.56	12,495.00	4,182.74	-464.08	4,200.75	0.00	0.00	0.00
16,700.00	90.00	359.56	12,495.00	4,282.74	-464.85	4,300.66	0.00	0.00	0.00
16,800.00	90.00	359.56	12,495.00	4,382.74	-465.62	4,400.57	0.00	0.00	0.00
16,900.00	90.00	359.56	12,495.00	4,482.74	-466.39	4,500.48	0.00	0.00	0.00
17,000.00	90.00	359.56	12,495.00	4,582.73	-467.15	4,600.39	0.00	0.00	0.00
17,100.00	90.00	359.56	12,495.00	4,682.73	-467.92	4,700.30	0.00	0.00	0.00
17,200.00	90.00	359.56	12,495.00	4,782.73	-468.69	4,800.21	0.00	0.00	0.00
17,300.00	90.00	359.56	12,495.00	4,882.72	-469.46	4,900.12	0.00	0.00	0.00
17,400.00	90.00	359.56	12,495.00	4,982.72	-470.23	5,000.03	0.00	0.00	0.00
17,500.00	90.00	359.56	12,495.00	5,082.72	-470.99	5,099.94	0.00	0.00	0.00
17,600.00	90.00	359.56	12,495.00	5,182.71	-471.76	5,199.85	0.00	0.00	0.00
17,700.00	90.00	359.56	12,495.00	5,282.71	-472.53	5,299.76	0.00	0.00	0.00
17,800.00	90.00	359.56	12,495.00	5,382.71	-473.30	5,399.67	0.00	0.00	0.00
17,900.00	90.00	359.56	12,495.00	5,482.71	-474.06	5,499.58	0.00	0.00	0.00
18,000.00	90.00	359.56	12,495.00	5,582.70	-474.83	5,599.49	0.00	0.00	0.00
18,100.00	90.00	359.56	12,495.00	5,682.70	-475.60	5,699.40	0.00	0.00	0.00
18,200.00	90.00	359.56	12,495.00	5,782.70	-476.37	5,799.31	0.00	0.00	0.00
18,300.00	90.00	359.56	12,495.00	5,882.69	-477.14	5,899.22	0.00	0.00	0.00
18,400.00	90.00	359.56	12,495.00	5,982.69	-477.90	5,999.13	0.00	0.00	0.00
18,500.00	90.00	359.56	12,495.00	6,082.69	-478.67	6,099.03	0.00	0.00	0.00
18,600.00	90.00	359.56	12,495.00	6,182.68	-479.44	6,198.94	0.00	0.00	0.00



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Site: Neptune 10 State Com
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' @ 3638.00usft
 KB = 25' @ 3638.00usft
 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)
18,700.00	90.00	359.56	12,495.00	6,282.68	-480.21	6,298.85	0.00	0.00	0.00
18,800.00	90.00	359.56	12,495.00	6,382.68	-480.98	6,398.76	0.00	0.00	0.00
18,900.00	90.00	359.56	12,495.00	6,482.68	-481.74	6,498.67	0.00	0.00	0.00
19,000.00	90.00	359.56	12,495.00	6,582.67	-482.51	6,598.58	0.00	0.00	0.00
19,100.00	90.00	359.56	12,495.00	6,682.67	-483.28	6,698.49	0.00	0.00	0.00
19,200.00	90.00	359.56	12,495.00	6,782.67	-484.05	6,798.40	0.00	0.00	0.00
19,300.00	90.00	359.56	12,495.00	6,882.66	-484.82	6,898.31	0.00	0.00	0.00
19,400.00	90.00	359.56	12,495.00	6,982.66	-485.58	6,998.22	0.00	0.00	0.00
19,500.00	90.00	359.56	12,495.00	7,082.66	-486.35	7,098.13	0.00	0.00	0.00
19,600.00	90.00	359.56	12,495.00	7,182.66	-487.12	7,198.04	0.00	0.00	0.00
19,700.00	90.00	359.56	12,495.00	7,282.65	-487.89	7,297.95	0.00	0.00	0.00
19,800.00	90.00	359.56	12,495.00	7,382.65	-488.66	7,397.86	0.00	0.00	0.00
19,900.00	90.00	359.56	12,495.00	7,482.65	-489.42	7,497.77	0.00	0.00	0.00
20,000.00	90.00	359.56	12,495.00	7,582.64	-490.19	7,597.68	0.00	0.00	0.00
20,100.00	90.00	359.56	12,495.00	7,682.64	-490.96	7,697.59	0.00	0.00	0.00
20,200.00	90.00	359.56	12,495.00	7,782.64	-491.73	7,797.50	0.00	0.00	0.00
20,300.00	90.00	359.56	12,495.00	7,882.63	-492.50	7,897.41	0.00	0.00	0.00
20,400.00	90.00	359.56	12,495.00	7,982.63	-493.26	7,997.32	0.00	0.00	0.00
20,500.00	90.00	359.56	12,495.00	8,082.63	-494.03	8,097.23	0.00	0.00	0.00
20,600.00	90.00	359.56	12,495.00	8,182.63	-494.80	8,197.14	0.00	0.00	0.00
20,700.00	90.00	359.56	12,495.00	8,282.62	-495.57	8,297.05	0.00	0.00	0.00
20,800.00	90.00	359.56	12,495.00	8,382.62	-496.34	8,396.96	0.00	0.00	0.00
20,900.00	90.00	359.56	12,495.00	8,482.62	-497.10	8,496.87	0.00	0.00	0.00
21,000.00	90.00	359.56	12,495.00	8,582.61	-497.87	8,596.78	0.00	0.00	0.00
21,100.00	90.00	359.56	12,495.00	8,682.61	-498.64	8,696.69	0.00	0.00	0.00
21,200.00	90.00	359.56	12,495.00	8,782.61	-499.41	8,796.60	0.00	0.00	0.00
21,300.00	90.00	359.56	12,495.00	8,882.61	-500.17	8,896.51	0.00	0.00	0.00
21,400.00	90.00	359.56	12,495.00	8,982.60	-500.94	8,996.42	0.00	0.00	0.00
21,500.00	90.00	359.56	12,495.00	9,082.60	-501.71	9,096.33	0.00	0.00	0.00
21,600.00	90.00	359.56	12,495.00	9,182.60	-502.48	9,196.24	0.00	0.00	0.00
21,700.00	90.00	359.56	12,495.00	9,282.59	-503.25	9,296.15	0.00	0.00	0.00
21,800.00	90.00	359.56	12,495.00	9,382.59	-504.01	9,396.06	0.00	0.00	0.00
21,900.00	90.00	359.56	12,495.00	9,482.59	-504.78	9,495.97	0.00	0.00	0.00
22,000.00	90.00	359.56	12,495.00	9,582.58	-505.55	9,595.88	0.00	0.00	0.00
22,100.00	90.00	359.56	12,495.00	9,682.58	-506.32	9,695.79	0.00	0.00	0.00
22,200.00	90.00	359.56	12,495.00	9,782.58	-507.09	9,795.70	0.00	0.00	0.00
22,300.00	90.00	359.56	12,495.00	9,882.58	-507.85	9,895.61	0.00	0.00	0.00
22,400.00	90.00	359.56	12,495.00	9,982.57	-508.62	9,995.52	0.00	0.00	0.00
22,500.00	90.00	359.56	12,495.00	10,082.57	-509.39	10,095.43	0.00	0.00	0.00
22,579.43	90.00	359.56	12,495.00	10,182.00	-510.00	10,174.79	0.00	0.00	0.00

PBHL (Neptune 10 State Com #702H)



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Design: Plan #0.1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25' @ 3638.00usft
MD Reference: KB = 25' @ 3638.00usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Neptune 10 State (	0.00	0.00	12,495.00	163.00	-433.00	446,720.00	778,531.00	32.22578209	-103.56628788
- plan misses target center by 39.92usft at 12590.89usft MD (12458.30 TVD, 178.63 N, -431.43 E)									
- Point									
PBHL (Neptune 10 State	0.00	0.00	12,495.00	10,162.00	-510.00	456,719.00	778,454.00	32.25326738	-103.56630595
- plan hits target center									
- Point									