

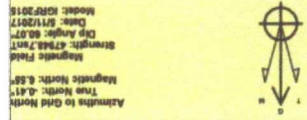
Lea County, NM (NAD 83 NME)
Neptune 10 State Com #703H
Plan #0.1

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

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

WELL DETAILS: #703H
Ground Level: 2613.00
Easting: 77899.50
Northing: 44668.50

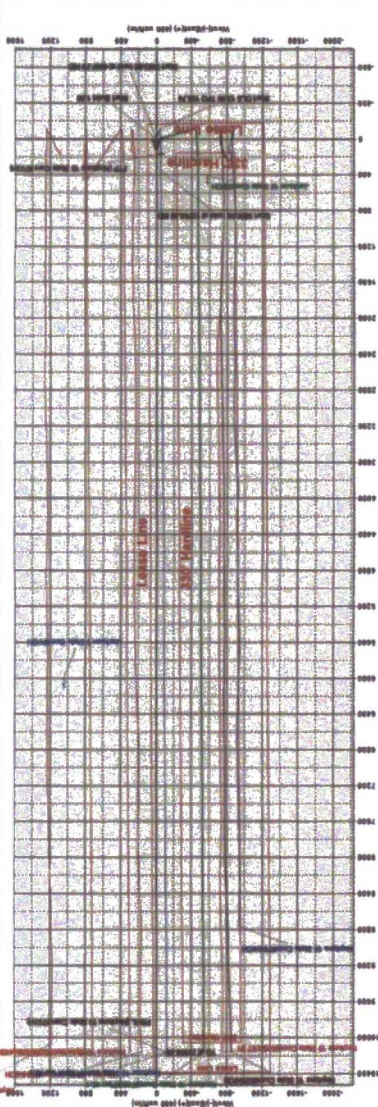
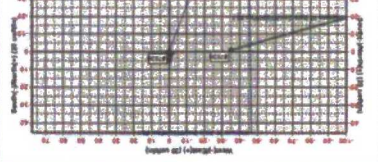
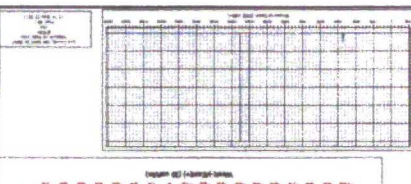
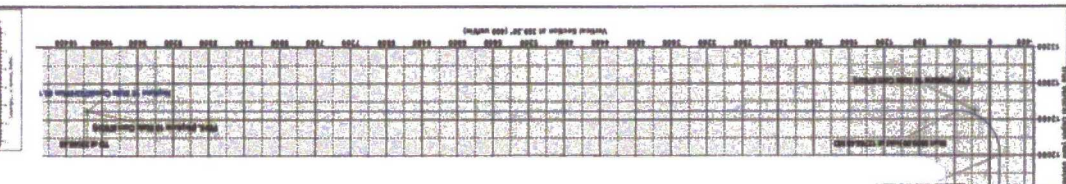
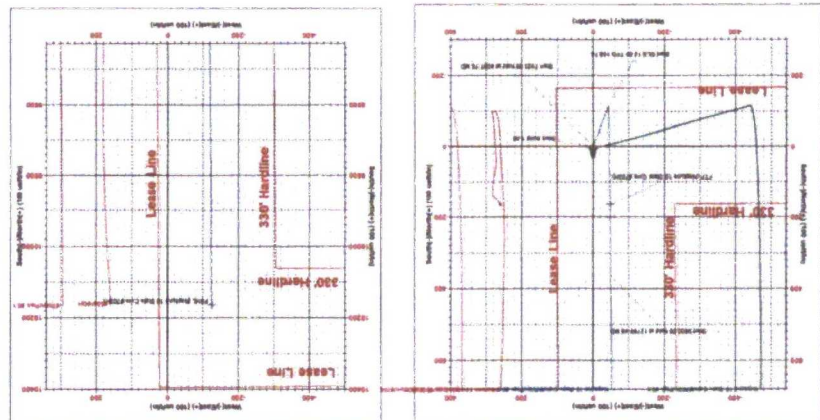
Latitude: 32.22632761
Longitude: -103.8677631



To convert a Magnetic Direction to a Grid Direction, Add 8.58°
To convert a Magnetic Direction to a True Direction, Add 8.97° East

SEC	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	Trace	Vsect	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	4087.76	0.88	200.82	4087.77	-0.83	-0.24	1.00	200.82	0.00	
4	12011.66	0.88	200.82	12010.73	-114.09	-43.39	0.00	0.00	-113.55	
5	12768.48	90.00	359.56	12495.00	363.29	-49.74	12.00	158.74	363.87	
6	22568.48	90.00	359.56	12495.00	10163.00	-125.00	0.00	0.00	10163.77	

WELLSHORE TARGET DETAILS (MAP CO-ORDINATES)									
Name	FTP (Neptune 10 State Com #703H)	TVD	+N/-S	+E/-W	Diag	Trace	Vsect	Target	Easting
		12495.00	10163.00	-125.00	0.00	0.00	0.00		77899.50
		12495.00	10163.00	-125.00	0.00	0.00	0.00		77899.50





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Neptune 10 State Com

#703H

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: #703H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
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
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

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 #703H

Well Position +N/-S 1.00 usft Northing: 446,558.00 usft Latitude: 32.22532761
 +E/-W 35.00 usft Easting: 778,999.00 usft Longitude: -103.56477831
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	359.30

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	
4,087.78	0.88	200.82	4,087.77	-0.63	-0.24	1.00	1.00	0.00	200.82	
12,011.66	0.88	200.82	12,010.73	-114.09	-43.39	0.00	0.00	0.00	0.00	
12,768.48	90.00	359.56	12,495.00	363.29	-49.74	12.00	11.78	20.97	158.74	
22,568.48	90.00	359.56	12,495.00	10,163.00	-125.00	0.00	0.00	0.00	0.00	PBHL (Neptune 10 St)



EOG Resources, Inc.
Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Neptune 10 State Com
Well: #703H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
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
4,087.78	0.88	200.82	4,087.77	-0.63	-0.24	-0.63	1.00	1.00	0.00
4,100.00	0.88	200.82	4,100.00	-0.80	-0.31	-0.80	0.00	0.00	0.00
4,200.00	0.88	200.82	4,199.98	-2.24	-0.85	-2.22	0.00	0.00	0.00
4,300.00	0.88	200.82	4,299.97	-3.67	-1.39	-3.65	0.00	0.00	0.00
4,400.00	0.88	200.82	4,399.96	-5.10	-1.94	-5.08	0.00	0.00	0.00
4,500.00	0.88	200.82	4,499.95	-6.53	-2.48	-6.50	0.00	0.00	0.00
4,600.00	0.88	200.82	4,599.94	-7.96	-3.03	-7.93	0.00	0.00	0.00
4,700.00	0.88	200.82	4,699.92	-9.40	-3.57	-9.35	0.00	0.00	0.00
4,800.00	0.88	200.82	4,799.91	-10.83	-4.12	-10.78	0.00	0.00	0.00
4,900.00	0.88	200.82	4,899.90	-12.26	-4.66	-12.20	0.00	0.00	0.00
5,000.00	0.88	200.82	4,999.89	-13.69	-5.21	-13.63	0.00	0.00	0.00
5,100.00	0.88	200.82	5,099.88	-15.12	-5.75	-15.05	0.00	0.00	0.00
5,200.00	0.88	200.82	5,199.87	-16.55	-6.30	-16.48	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: #703H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
 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)
5,300.00	0.88	200.82	5,299.85	-17.99	-6.84	-17.90	0.00	0.00	0.00
5,400.00	0.88	200.82	5,399.84	-19.42	-7.38	-19.33	0.00	0.00	0.00
5,500.00	0.88	200.82	5,499.83	-20.85	-7.93	-20.75	0.00	0.00	0.00
5,600.00	0.88	200.82	5,599.82	-22.28	-8.47	-22.18	0.00	0.00	0.00
5,700.00	0.88	200.82	5,699.81	-23.71	-9.02	-23.60	0.00	0.00	0.00
5,800.00	0.88	200.82	5,799.80	-25.15	-9.56	-25.03	0.00	0.00	0.00
5,900.00	0.88	200.82	5,899.78	-26.58	-10.11	-26.45	0.00	0.00	0.00
6,000.00	0.88	200.82	5,999.77	-28.01	-10.65	-27.88	0.00	0.00	0.00
6,100.00	0.88	200.82	6,099.76	-29.44	-11.20	-29.30	0.00	0.00	0.00
6,200.00	0.88	200.82	6,199.75	-30.87	-11.74	-30.73	0.00	0.00	0.00
6,300.00	0.88	200.82	6,299.74	-32.31	-12.28	-32.15	0.00	0.00	0.00
6,400.00	0.88	200.82	6,399.73	-33.74	-12.83	-33.58	0.00	0.00	0.00
6,500.00	0.88	200.82	6,499.71	-35.17	-13.37	-35.00	0.00	0.00	0.00
6,600.00	0.88	200.82	6,599.70	-36.60	-13.92	-36.43	0.00	0.00	0.00
6,700.00	0.88	200.82	6,699.69	-38.03	-14.46	-37.85	0.00	0.00	0.00
6,800.00	0.88	200.82	6,799.68	-39.47	-15.01	-39.28	0.00	0.00	0.00
6,900.00	0.88	200.82	6,899.67	-40.90	-15.55	-40.70	0.00	0.00	0.00
7,000.00	0.88	200.82	6,999.65	-42.33	-16.10	-42.13	0.00	0.00	0.00
7,100.00	0.88	200.82	7,099.64	-43.76	-16.64	-43.55	0.00	0.00	0.00
7,200.00	0.88	200.82	7,199.63	-45.19	-17.19	-44.98	0.00	0.00	0.00
7,300.00	0.88	200.82	7,299.62	-46.63	-17.73	-46.40	0.00	0.00	0.00
7,400.00	0.88	200.82	7,399.61	-48.06	-18.27	-47.83	0.00	0.00	0.00
7,500.00	0.88	200.82	7,499.60	-49.49	-18.82	-49.25	0.00	0.00	0.00
7,600.00	0.88	200.82	7,599.58	-50.92	-19.36	-50.68	0.00	0.00	0.00
7,700.00	0.88	200.82	7,699.57	-52.35	-19.91	-52.10	0.00	0.00	0.00
7,800.00	0.88	200.82	7,799.56	-53.78	-20.45	-53.53	0.00	0.00	0.00
7,900.00	0.88	200.82	7,899.55	-55.22	-21.00	-54.95	0.00	0.00	0.00
8,000.00	0.88	200.82	7,999.54	-56.65	-21.54	-56.38	0.00	0.00	0.00
8,100.00	0.88	200.82	8,099.53	-58.08	-22.09	-57.80	0.00	0.00	0.00
8,200.00	0.88	200.82	8,199.51	-59.51	-22.63	-59.23	0.00	0.00	0.00
8,300.00	0.88	200.82	8,299.50	-60.94	-23.18	-60.65	0.00	0.00	0.00
8,400.00	0.88	200.82	8,399.49	-62.38	-23.72	-62.08	0.00	0.00	0.00
8,500.00	0.88	200.82	8,499.48	-63.81	-24.26	-63.50	0.00	0.00	0.00
8,600.00	0.88	200.82	8,599.47	-65.24	-24.81	-64.93	0.00	0.00	0.00
8,700.00	0.88	200.82	8,699.46	-66.67	-25.35	-66.36	0.00	0.00	0.00
8,800.00	0.88	200.82	8,799.44	-68.10	-25.90	-67.78	0.00	0.00	0.00
8,900.00	0.88	200.82	8,899.43	-69.54	-26.44	-69.21	0.00	0.00	0.00
9,000.00	0.88	200.82	8,999.42	-70.97	-26.99	-70.63	0.00	0.00	0.00
9,100.00	0.88	200.82	9,099.41	-72.40	-27.53	-72.06	0.00	0.00	0.00
9,200.00	0.88	200.82	9,199.40	-73.83	-28.08	-73.48	0.00	0.00	0.00
9,300.00	0.88	200.82	9,299.39	-75.26	-28.62	-74.91	0.00	0.00	0.00
9,400.00	0.88	200.82	9,399.37	-76.70	-29.16	-76.33	0.00	0.00	0.00
9,500.00	0.88	200.82	9,499.36	-78.13	-29.71	-77.76	0.00	0.00	0.00
9,600.00	0.88	200.82	9,599.35	-79.56	-30.25	-79.18	0.00	0.00	0.00
9,700.00	0.88	200.82	9,699.34	-80.99	-30.80	-80.61	0.00	0.00	0.00
9,800.00	0.88	200.82	9,799.33	-82.42	-31.34	-82.03	0.00	0.00	0.00
9,900.00	0.88	200.82	9,899.31	-83.86	-31.89	-83.46	0.00	0.00	0.00
10,000.00	0.88	200.82	9,999.30	-85.29	-32.43	-84.88	0.00	0.00	0.00
10,100.00	0.88	200.82	10,099.29	-86.72	-32.98	-86.31	0.00	0.00	0.00
10,200.00	0.88	200.82	10,199.28	-88.15	-33.52	-87.73	0.00	0.00	0.00
10,300.00	0.88	200.82	10,299.27	-89.58	-34.07	-89.16	0.00	0.00	0.00
10,400.00	0.88	200.82	10,399.26	-91.01	-34.61	-90.58	0.00	0.00	0.00
10,500.00	0.88	200.82	10,499.24	-92.45	-35.15	-92.01	0.00	0.00	0.00
10,600.00	0.88	200.82	10,599.23	-93.88	-35.70	-93.43	0.00	0.00	0.00



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Well: #703H
Wellbore: OH
Design: Plan #0.1

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

Well #703H
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)
10,700.00	0.88	200.82	10,699.22	-95.31	-36.24	-94.86	0.00	0.00	0.00
10,800.00	0.88	200.82	10,799.21	-96.74	-36.79	-96.28	0.00	0.00	0.00
10,900.00	0.88	200.82	10,899.20	-98.17	-37.33	-97.71	0.00	0.00	0.00
11,000.00	0.88	200.82	10,999.19	-99.61	-37.88	-99.13	0.00	0.00	0.00
11,100.00	0.88	200.82	11,099.17	-101.04	-38.42	-100.56	0.00	0.00	0.00
11,200.00	0.88	200.82	11,199.16	-102.47	-38.97	-101.98	0.00	0.00	0.00
11,300.00	0.88	200.82	11,299.15	-103.90	-39.51	-103.41	0.00	0.00	0.00
11,400.00	0.88	200.82	11,399.14	-105.33	-40.05	-104.83	0.00	0.00	0.00
11,500.00	0.88	200.82	11,499.13	-106.77	-40.60	-106.26	0.00	0.00	0.00
11,600.00	0.88	200.82	11,599.12	-108.20	-41.14	-107.68	0.00	0.00	0.00
11,700.00	0.88	200.82	11,699.10	-109.63	-41.69	-109.11	0.00	0.00	0.00
11,800.00	0.88	200.82	11,799.09	-111.06	-42.23	-110.53	0.00	0.00	0.00
11,900.00	0.88	200.82	11,899.08	-112.49	-42.78	-111.96	0.00	0.00	0.00
12,000.00	0.88	200.82	11,999.07	-113.93	-43.32	-113.38	0.00	0.00	0.00
12,011.66	0.88	200.82	12,010.73	-114.09	-43.39	-113.55	0.00	0.00	0.00
12,025.00	0.85	337.43	12,024.07	-114.10	-43.46	-113.55	12.00	-0.25	1,024.04
12,050.00	3.80	354.76	12,049.04	-113.10	-43.61	-112.56	12.00	11.80	69.29
12,075.00	6.79	356.89	12,073.93	-110.80	-43.76	-110.26	12.00	11.98	8.51
12,100.00	9.79	357.71	12,098.67	-107.20	-43.93	-106.65	12.00	11.99	3.32
12,125.00	12.79	358.16	12,123.18	-102.31	-44.10	-101.76	12.00	12.00	1.77
12,150.00	15.79	358.43	12,147.41	-96.15	-44.28	-95.59	12.00	12.00	1.11
12,175.00	18.79	358.62	12,171.28	-88.72	-44.47	-88.17	12.00	12.00	0.76
12,200.00	21.79	358.76	12,194.72	-80.06	-44.67	-79.50	12.00	12.00	0.56
12,225.00	24.78	358.87	12,217.68	-70.18	-44.87	-69.62	12.00	12.00	0.43
12,250.00	27.78	358.96	12,240.10	-59.11	-45.08	-58.55	12.00	12.00	0.34
12,275.00	30.78	359.03	12,261.90	-46.89	-45.30	-46.32	12.00	12.00	0.28
12,300.00	33.78	359.08	12,283.03	-33.54	-45.52	-32.97	12.00	12.00	0.23
12,325.00	36.78	359.13	12,303.44	-19.10	-45.74	-18.53	12.00	12.00	0.20
12,350.00	39.78	359.18	12,323.06	-3.61	-45.97	-3.05	12.00	12.00	0.17
12,375.00	42.78	359.22	12,341.84	12.88	-46.20	13.45	12.00	12.00	0.15
12,400.00	45.78	359.25	12,359.74	30.33	-46.43	30.90	12.00	12.00	0.14
12,425.00	48.78	359.28	12,376.69	48.69	-46.67	49.27	12.00	12.00	0.12
12,450.00	51.78	359.31	12,392.67	67.92	-46.91	68.49	12.00	12.00	0.11
12,475.00	54.78	359.34	12,407.61	87.96	-47.14	88.53	12.00	12.00	0.10
12,500.00	57.78	359.36	12,421.49	108.75	-47.38	109.32	12.00	12.00	0.10
12,525.00	60.78	359.38	12,434.26	130.24	-47.61	130.81	12.00	12.00	0.09
12,550.00	63.78	359.40	12,445.88	152.37	-47.85	152.94	12.00	12.00	0.09
12,575.00	66.78	359.42	12,456.33	175.07	-48.08	175.65	12.00	12.00	0.08
12,579.95	67.38	359.43	12,458.26	179.63	-48.13	180.21	12.00	12.00	0.08
FTP (Neptune 10 State Com #703H)									
12,600.00	69.78	359.44	12,465.58	198.29	-48.31	198.87	12.00	12.00	0.08
12,625.00	72.78	359.46	12,473.61	221.97	-48.54	222.55	12.00	12.00	0.07
12,650.00	75.78	359.48	12,480.38	246.03	-48.76	246.61	12.00	12.00	0.07
12,675.00	78.78	359.50	12,485.88	270.41	-48.98	270.99	12.00	12.00	0.07
12,700.00	81.78	359.51	12,490.10	295.05	-49.19	295.63	12.00	12.00	0.07
12,725.00	84.78	359.53	12,493.02	319.87	-49.40	320.46	12.00	12.00	0.07
12,750.00	87.78	359.55	12,494.64	344.82	-49.60	345.40	12.00	12.00	0.07
12,768.48	90.00	359.56	12,495.00	363.29	-49.74	363.87	12.00	12.00	0.07
12,800.00	90.00	359.56	12,495.00	394.81	-49.98	395.40	0.00	0.00	0.00
12,900.00	90.00	359.56	12,495.00	494.81	-50.75	495.40	0.00	0.00	0.00
13,000.00	90.00	359.56	12,495.00	594.81	-51.52	595.39	0.00	0.00	0.00
13,100.00	90.00	359.56	12,495.00	694.80	-52.29	695.39	0.00	0.00	0.00
13,200.00	90.00	359.56	12,495.00	794.80	-53.06	795.39	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: #703H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
TYD 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)
13,300.00	90.00	359.56	12,495.00	894.80	-53.82	895.39	0.00	0.00	0.00
13,400.00	90.00	359.56	12,495.00	994.79	-54.59	995.39	0.00	0.00	0.00
13,500.00	90.00	359.56	12,495.00	1,094.79	-55.36	1,095.39	0.00	0.00	0.00
13,600.00	90.00	359.56	12,495.00	1,194.79	-56.13	1,195.39	0.00	0.00	0.00
13,700.00	90.00	359.56	12,495.00	1,294.79	-56.90	1,295.39	0.00	0.00	0.00
13,800.00	90.00	359.56	12,495.00	1,394.78	-57.66	1,395.39	0.00	0.00	0.00
13,900.00	90.00	359.56	12,495.00	1,494.78	-58.43	1,495.39	0.00	0.00	0.00
14,000.00	90.00	359.56	12,495.00	1,594.78	-59.20	1,595.38	0.00	0.00	0.00
14,100.00	90.00	359.56	12,495.00	1,694.77	-59.97	1,695.38	0.00	0.00	0.00
14,200.00	90.00	359.56	12,495.00	1,794.77	-60.74	1,795.38	0.00	0.00	0.00
14,300.00	90.00	359.56	12,495.00	1,894.77	-61.50	1,895.38	0.00	0.00	0.00
14,400.00	90.00	359.56	12,495.00	1,994.76	-62.27	1,995.38	0.00	0.00	0.00
14,500.00	90.00	359.56	12,495.00	2,094.76	-63.04	2,095.38	0.00	0.00	0.00
14,600.00	90.00	359.56	12,495.00	2,194.76	-63.81	2,195.38	0.00	0.00	0.00
14,700.00	90.00	359.56	12,495.00	2,294.76	-64.58	2,295.38	0.00	0.00	0.00
14,800.00	90.00	359.56	12,495.00	2,394.75	-65.34	2,395.38	0.00	0.00	0.00
14,900.00	90.00	359.56	12,495.00	2,494.75	-66.11	2,495.37	0.00	0.00	0.00
15,000.00	90.00	359.56	12,495.00	2,594.75	-66.88	2,595.37	0.00	0.00	0.00
15,100.00	90.00	359.56	12,495.00	2,694.74	-67.65	2,695.37	0.00	0.00	0.00
15,200.00	90.00	359.56	12,495.00	2,794.74	-68.41	2,795.37	0.00	0.00	0.00
15,300.00	90.00	359.56	12,495.00	2,894.74	-69.18	2,895.37	0.00	0.00	0.00
15,400.00	90.00	359.56	12,495.00	2,994.74	-69.95	2,995.37	0.00	0.00	0.00
15,500.00	90.00	359.56	12,495.00	3,094.73	-70.72	3,095.37	0.00	0.00	0.00
15,600.00	90.00	359.56	12,495.00	3,194.73	-71.49	3,195.37	0.00	0.00	0.00
15,700.00	90.00	359.56	12,495.00	3,294.73	-72.25	3,295.37	0.00	0.00	0.00
15,800.00	90.00	359.56	12,495.00	3,394.72	-73.02	3,395.36	0.00	0.00	0.00
15,900.00	90.00	359.56	12,495.00	3,494.72	-73.79	3,495.36	0.00	0.00	0.00
16,000.00	90.00	359.56	12,495.00	3,594.72	-74.56	3,595.36	0.00	0.00	0.00
16,100.00	90.00	359.56	12,495.00	3,694.71	-75.33	3,695.36	0.00	0.00	0.00
16,200.00	90.00	359.56	12,495.00	3,794.71	-76.09	3,795.36	0.00	0.00	0.00
16,300.00	90.00	359.56	12,495.00	3,894.71	-76.86	3,895.36	0.00	0.00	0.00
16,400.00	90.00	359.56	12,495.00	3,994.71	-77.63	3,995.36	0.00	0.00	0.00
16,500.00	90.00	359.56	12,495.00	4,094.70	-78.40	4,095.36	0.00	0.00	0.00
16,600.00	90.00	359.56	12,495.00	4,194.70	-79.17	4,195.36	0.00	0.00	0.00
16,700.00	90.00	359.56	12,495.00	4,294.70	-79.93	4,295.36	0.00	0.00	0.00
16,800.00	90.00	359.56	12,495.00	4,394.69	-80.70	4,395.35	0.00	0.00	0.00
16,900.00	90.00	359.56	12,495.00	4,494.69	-81.47	4,495.35	0.00	0.00	0.00
17,000.00	90.00	359.56	12,495.00	4,594.69	-82.24	4,595.35	0.00	0.00	0.00
17,100.00	90.00	359.56	12,495.00	4,694.69	-83.01	4,695.35	0.00	0.00	0.00
17,200.00	90.00	359.56	12,495.00	4,794.68	-83.77	4,795.35	0.00	0.00	0.00
17,300.00	90.00	359.56	12,495.00	4,894.68	-84.54	4,895.35	0.00	0.00	0.00
17,400.00	90.00	359.56	12,495.00	4,994.68	-85.31	4,995.35	0.00	0.00	0.00
17,500.00	90.00	359.56	12,495.00	5,094.67	-86.08	5,095.35	0.00	0.00	0.00
17,600.00	90.00	359.56	12,495.00	5,194.67	-86.85	5,195.35	0.00	0.00	0.00
17,700.00	90.00	359.56	12,495.00	5,294.67	-87.61	5,295.34	0.00	0.00	0.00
17,800.00	90.00	359.56	12,495.00	5,394.66	-88.38	5,395.34	0.00	0.00	0.00
17,900.00	90.00	359.56	12,495.00	5,494.66	-89.15	5,495.34	0.00	0.00	0.00
18,000.00	90.00	359.56	12,495.00	5,594.66	-89.92	5,595.34	0.00	0.00	0.00
18,100.00	90.00	359.56	12,495.00	5,694.66	-90.68	5,695.34	0.00	0.00	0.00
18,200.00	90.00	359.56	12,495.00	5,794.65	-91.45	5,795.34	0.00	0.00	0.00
18,300.00	90.00	359.56	12,495.00	5,894.65	-92.22	5,895.34	0.00	0.00	0.00
18,400.00	90.00	359.56	12,495.00	5,994.65	-92.99	5,995.34	0.00	0.00	0.00
18,500.00	90.00	359.56	12,495.00	6,094.64	-93.76	6,095.34	0.00	0.00	0.00
18,600.00	90.00	359.56	12,495.00	6,194.64	-94.52	6,195.33	0.00	0.00	0.00



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Planning Report

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Site: Neptune 10 State Com
Well: #703H
Wellbore: OH
Design: Plan #0.1

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

Well #703H
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	6,294.64	-95.29	6,295.33	0.00	0.00	0.00
18,800.00	90.00	359.56	12,495.00	6,394.64	-96.06	6,395.33	0.00	0.00	0.00
18,900.00	90.00	359.56	12,495.00	6,494.63	-96.83	6,495.33	0.00	0.00	0.00
19,000.00	90.00	359.56	12,495.00	6,594.63	-97.60	6,595.33	0.00	0.00	0.00
19,100.00	90.00	359.56	12,495.00	6,694.63	-98.36	6,695.33	0.00	0.00	0.00
19,200.00	90.00	359.56	12,495.00	6,794.62	-99.13	6,795.33	0.00	0.00	0.00
19,300.00	90.00	359.56	12,495.00	6,894.62	-99.90	6,895.33	0.00	0.00	0.00
19,400.00	90.00	359.56	12,495.00	6,994.62	-100.67	6,995.33	0.00	0.00	0.00
19,500.00	90.00	359.56	12,495.00	7,094.61	-101.44	7,095.33	0.00	0.00	0.00
19,600.00	90.00	359.56	12,495.00	7,194.61	-102.20	7,195.32	0.00	0.00	0.00
19,700.00	90.00	359.56	12,495.00	7,294.61	-102.97	7,295.32	0.00	0.00	0.00
19,800.00	90.00	359.56	12,495.00	7,394.61	-103.74	7,395.32	0.00	0.00	0.00
19,900.00	90.00	359.56	12,495.00	7,494.60	-104.51	7,495.32	0.00	0.00	0.00
20,000.00	90.00	359.56	12,495.00	7,594.60	-105.28	7,595.32	0.00	0.00	0.00
20,100.00	90.00	359.56	12,495.00	7,694.60	-106.04	7,695.32	0.00	0.00	0.00
20,200.00	90.00	359.56	12,495.00	7,794.59	-106.81	7,795.32	0.00	0.00	0.00
20,300.00	90.00	359.56	12,495.00	7,894.59	-107.58	7,895.32	0.00	0.00	0.00
20,400.00	90.00	359.56	12,495.00	7,994.59	-108.35	7,995.32	0.00	0.00	0.00
20,500.00	90.00	359.56	12,495.00	8,094.58	-109.12	8,095.31	0.00	0.00	0.00
20,600.00	90.00	359.56	12,495.00	8,194.58	-109.88	8,195.31	0.00	0.00	0.00
20,700.00	90.00	359.56	12,495.00	8,294.58	-110.65	8,295.31	0.00	0.00	0.00
20,800.00	90.00	359.56	12,495.00	8,394.58	-111.42	8,395.31	0.00	0.00	0.00
20,900.00	90.00	359.56	12,495.00	8,494.57	-112.19	8,495.31	0.00	0.00	0.00
21,000.00	90.00	359.56	12,495.00	8,594.57	-112.96	8,595.31	0.00	0.00	0.00
21,100.00	90.00	359.56	12,495.00	8,694.57	-113.72	8,695.31	0.00	0.00	0.00
21,200.00	90.00	359.56	12,495.00	8,794.56	-114.49	8,795.31	0.00	0.00	0.00
21,300.00	90.00	359.56	12,495.00	8,894.56	-115.26	8,895.31	0.00	0.00	0.00
21,400.00	90.00	359.56	12,495.00	8,994.56	-116.03	8,995.31	0.00	0.00	0.00
21,500.00	90.00	359.56	12,495.00	9,094.56	-116.79	9,095.30	0.00	0.00	0.00
21,600.00	90.00	359.56	12,495.00	9,194.55	-117.56	9,195.30	0.00	0.00	0.00
21,700.00	90.00	359.56	12,495.00	9,294.55	-118.33	9,295.30	0.00	0.00	0.00
21,800.00	90.00	359.56	12,495.00	9,394.55	-119.10	9,395.30	0.00	0.00	0.00
21,900.00	90.00	359.56	12,495.00	9,494.54	-119.87	9,495.30	0.00	0.00	0.00
22,000.00	90.00	359.56	12,495.00	9,594.54	-120.63	9,595.30	0.00	0.00	0.00
22,100.00	90.00	359.56	12,495.00	9,694.54	-121.40	9,695.30	0.00	0.00	0.00
22,200.00	90.00	359.56	12,495.00	9,794.53	-122.17	9,795.30	0.00	0.00	0.00
22,300.00	90.00	359.56	12,495.00	9,894.53	-122.94	9,895.30	0.00	0.00	0.00
22,400.00	90.00	359.56	12,495.00	9,994.53	-123.71	9,995.29	0.00	0.00	0.00
22,500.00	90.00	359.56	12,495.00	10,094.53	-124.47	10,095.29	0.00	0.00	0.00
22,568.48	90.00	359.56	12,495.00	10,163.00	-125.00	10,163.77	0.00	0.00	0.00

PBHL (Neptune 10 State Com #703H)



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Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #703H
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 - plan misses target center by 39.54usft at 12579.95usft MD (12458.26 TVD, 179.63 N, -48.13 E) - Point	0.00	0.00	12,495.00	165.00	-48.00	446,723.00	778,951.00	32.22578208	-103.56492971
PBHL (Neptune 10 State - plan hits target center - Point	0.00	0.00	12,495.00	10,163.00	-125.00	456,721.00	778,874.00	32.25326462	-103.56494739