



Lea County, NM (NAD 27 NME)

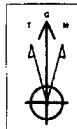
#501H

Cactus 123

Plan #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 1001
System Datum: Mean Sea Level



Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.73°
Magnetic Field
Strength: 48288.1 nT
Dip Angle: 90.10°
Date: 12/8/2014
Model: IGRF-201014

To convert a Magnetic Direction to a Grid Direction, Add 0.41°
To convert a Magnetic Direction to a True Direction, Add 7.15° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

WELL DETAILS #501H

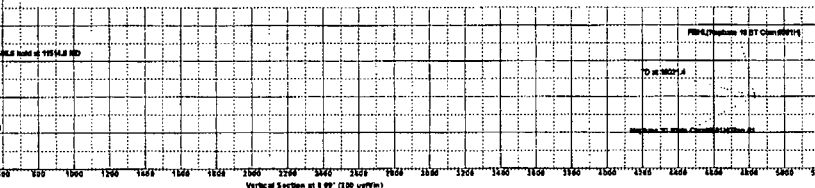
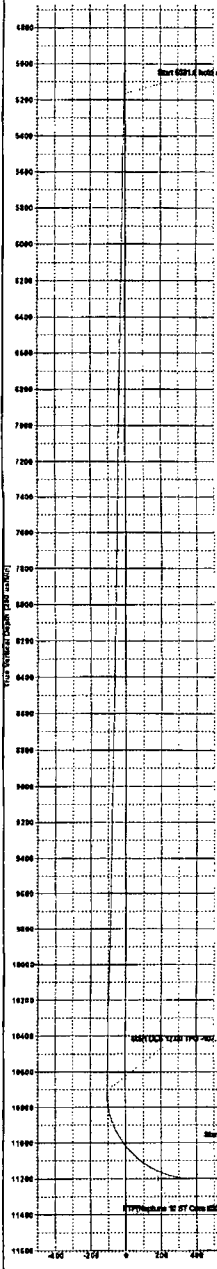
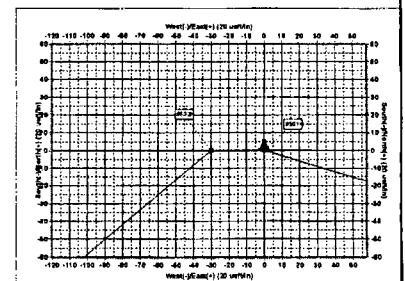
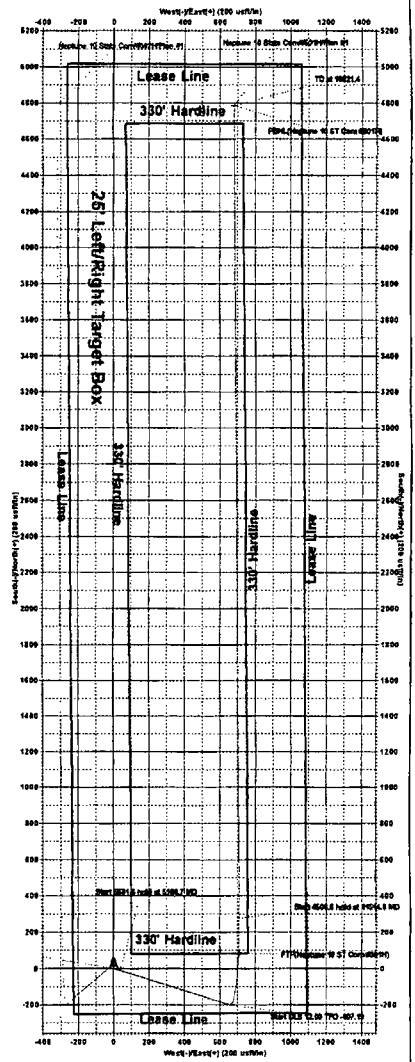
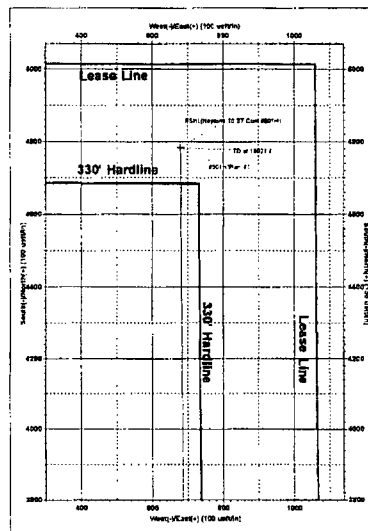
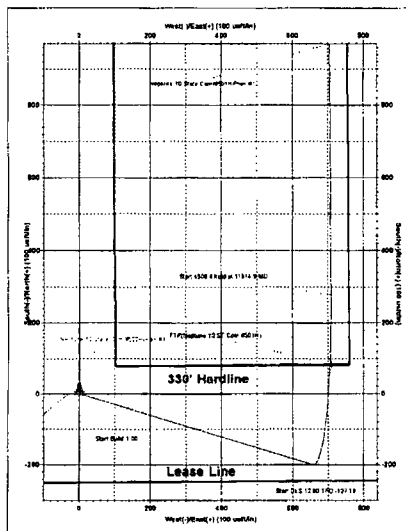
Ground Level: 3609.0
KB = 30 @ 3679.0 (Cactus 123)
+N-S +E-W Northing Easting
0.0 0.0 448603.00 740781.0002 13° 31' 54.0 N 103° 22' 18.943 W 5 ft

SECTION DETAILS

Sec	MD	Inc	As	TVD	+N-S	+E-W	Depth	FFace	VFace	Target	Annotation
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	5168.7	6.87	108.93	5168.2	-11.3	31.1	1.00	106.93	-4.0		
4	10748.4	6.87	108.93	10709.1	-299.0	857.0	0.00	0.00	-105.8		
5	11514.8	90.00	389.63	11200.0	277.6	708.8	12.00	-107.18	374.8		
6	18021.4	90.00	399.63	11200.0	4784.0	690.0	0.00	0.00	4832.1		PEHL (Neptune 10 ST Com #501H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
PTN (Neptune 10 ST Com #501H)	11200.0	83.0	710.0	448688.00	741491.00	Point
PEHL (Neptune 10 ST Com #501H)	11200.0	4784.0	690.0	461307.00	741481.00	Point



DEC 11 2014



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Neptune 10 State Com

#501H

OH

Plan: Plan #1

Standard Planning Report

08 December, 2014



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Neptune 10 State Com
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 30 @ 3639.0usft (Cactus 123)
MD Reference: KB = 30 @ 3639.0usft (Cactus 123)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	#501H			
Well Position	+N/-S	0.0 usft	Northing:	446,603.00 usft
	+E/-W	0.0 usft	Easting:	740,781.00 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	0.0 usft
			Ground Level:	3,609.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF201014	12/8/2014	7.15	60.10	48,269

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	8.09

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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,166.7	6.67	106.93	5,165.2	-11.3	37.1	1.00	1.00	0.00	106.93	
10,748.4	6.67	106.93	10,709.1	-200.0	657.0	0.00	0.00	0.00	0.00	
11,514.8	90.00	359.63	11,200.0	277.5	708.8	12.00	10.87	-14.00	-107.19	
16,021.4	90.00	359.63	11,200.0	4,784.0	680.0	0.00	0.00	0.00	0.00	PBHL(Neptune 10 ST



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MD Reference: KB = 30 @ 3639.0usft (Cactus 123)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	1.00	106.93	4,600.0	-0.3	0.8	-0.1	1.00	1.00	0.00
4,700.0	2.00	106.93	4,700.0	-1.0	3.3	-0.5	1.00	1.00	0.00
4,800.0	3.00	106.93	4,799.9	-2.3	7.5	-1.2	1.00	1.00	0.00
4,900.0	4.00	106.93	4,899.7	-4.1	13.4	-2.1	1.00	1.00	0.00
5,000.0	5.00	106.93	4,999.4	-6.4	20.9	-3.4	1.00	1.00	0.00
5,100.0	6.00	106.93	5,098.9	-9.1	30.0	-4.8	1.00	1.00	0.00
5,166.7	6.67	106.93	5,165.2	-11.3	37.1	-6.0	1.00	1.00	0.00
5,200.0	6.67	106.93	5,198.3	-12.4	40.8	-6.6	0.00	0.00	0.00



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Planning Report

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Site: Neptune 10 State Com
Well: #501H
Wellbore: OH
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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	6.67	106.93	5,297.6	-15.8	51.9	-8.3	0.00	0.00	0.00
5,400.0	6.67	106.93	5,396.9	-19.2	63.0	-10.1	0.00	0.00	0.00
5,500.0	6.67	106.93	5,496.2	-22.6	74.1	-11.9	0.00	0.00	0.00
5,600.0	6.67	106.93	5,595.6	-25.9	85.2	-13.7	0.00	0.00	0.00
5,700.0	6.67	106.93	5,694.9	-29.3	96.3	-15.5	0.00	0.00	0.00
5,800.0	6.67	106.93	5,794.2	-32.7	107.4	-17.3	0.00	0.00	0.00
5,900.0	6.67	106.93	5,893.5	-36.1	118.5	-19.0	0.00	0.00	0.00
6,000.0	6.67	106.93	5,992.9	-39.5	129.6	-20.8	0.00	0.00	0.00
6,100.0	6.67	106.93	6,092.2	-42.8	140.7	-22.6	0.00	0.00	0.00
6,200.0	6.67	106.93	6,191.5	-46.2	151.8	-24.4	0.00	0.00	0.00
6,300.0	6.67	106.93	6,290.8	-49.6	162.9	-26.2	0.00	0.00	0.00
6,400.0	6.67	106.93	6,390.2	-53.0	174.0	-28.0	0.00	0.00	0.00
6,500.0	6.67	106.93	6,489.5	-56.4	185.2	-29.8	0.00	0.00	0.00
6,600.0	6.67	106.93	6,588.8	-59.8	196.3	-31.5	0.00	0.00	0.00
6,700.0	6.67	106.93	6,688.1	-63.1	207.4	-33.3	0.00	0.00	0.00
6,800.0	6.67	106.93	6,787.5	-66.5	218.5	-35.1	0.00	0.00	0.00
6,900.0	6.67	106.93	6,886.8	-69.9	229.6	-36.9	0.00	0.00	0.00
7,000.0	6.67	106.93	6,986.1	-73.3	240.7	-38.7	0.00	0.00	0.00
7,100.0	6.67	106.93	7,085.4	-76.7	251.8	-40.5	0.00	0.00	0.00
7,200.0	6.67	106.93	7,184.7	-80.0	262.9	-42.2	0.00	0.00	0.00
7,300.0	6.67	106.93	7,284.1	-83.4	274.0	-44.0	0.00	0.00	0.00
7,400.0	6.67	106.93	7,383.4	-86.8	285.1	-45.8	0.00	0.00	0.00
7,500.0	6.67	106.93	7,482.7	-90.2	296.2	-47.6	0.00	0.00	0.00
7,600.0	6.67	106.93	7,582.0	-93.6	307.3	-49.4	0.00	0.00	0.00
7,700.0	6.67	106.93	7,681.4	-96.9	318.4	-51.2	0.00	0.00	0.00
7,800.0	6.67	106.93	7,780.7	-100.3	329.5	-53.0	0.00	0.00	0.00
7,900.0	6.67	106.93	7,880.0	-103.7	340.7	-54.7	0.00	0.00	0.00
8,000.0	6.67	106.93	7,979.3	-107.1	351.8	-56.5	0.00	0.00	0.00
8,100.0	6.67	106.93	8,078.7	-110.5	362.9	-58.3	0.00	0.00	0.00
8,200.0	6.67	106.93	8,178.0	-113.9	374.0	-60.1	0.00	0.00	0.00
8,300.0	6.67	106.93	8,277.3	-117.2	385.1	-61.9	0.00	0.00	0.00
8,400.0	6.67	106.93	8,376.6	-120.6	396.2	-63.7	0.00	0.00	0.00
8,500.0	6.67	106.93	8,476.0	-124.0	407.3	-65.4	0.00	0.00	0.00
8,600.0	6.67	106.93	8,575.3	-127.4	418.4	-67.2	0.00	0.00	0.00
8,700.0	6.67	106.93	8,674.6	-130.8	429.5	-69.0	0.00	0.00	0.00
8,800.0	6.67	106.93	8,773.9	-134.1	440.6	-70.8	0.00	0.00	0.00
8,900.0	6.67	106.93	8,873.2	-137.5	451.7	-72.6	0.00	0.00	0.00
9,000.0	6.67	106.93	8,972.6	-140.9	462.8	-74.4	0.00	0.00	0.00
9,100.0	6.67	106.93	9,071.9	-144.3	473.9	-76.2	0.00	0.00	0.00
9,200.0	6.67	106.93	9,171.2	-147.7	485.0	-77.9	0.00	0.00	0.00
9,300.0	6.67	106.93	9,270.5	-151.1	496.1	-79.7	0.00	0.00	0.00
9,400.0	6.67	106.93	9,369.9	-154.4	507.3	-81.5	0.00	0.00	0.00
9,500.0	6.67	106.93	9,469.2	-157.8	518.4	-83.3	0.00	0.00	0.00
9,600.0	6.67	106.93	9,568.5	-161.2	529.5	-85.1	0.00	0.00	0.00
9,700.0	6.67	106.93	9,667.8	-164.6	540.6	-86.9	0.00	0.00	0.00
9,800.0	6.67	106.93	9,767.2	-168.0	551.7	-88.7	0.00	0.00	0.00
9,900.0	6.67	106.93	9,866.5	-171.3	562.8	-90.4	0.00	0.00	0.00
10,000.0	6.67	106.93	9,965.8	-174.7	573.9	-92.2	0.00	0.00	0.00
10,100.0	6.67	106.93	10,065.1	-178.1	585.0	-94.0	0.00	0.00	0.00
10,200.0	6.67	106.93	10,164.5	-181.5	596.1	-95.8	0.00	0.00	0.00
10,300.0	6.67	106.93	10,263.8	-184.9	607.2	-97.6	0.00	0.00	0.00
10,400.0	6.67	106.93	10,363.1	-188.2	618.3	-99.4	0.00	0.00	0.00
10,500.0	6.67	106.93	10,462.4	-191.6	629.4	-101.1	0.00	0.00	0.00
10,600.0	6.67	106.93	10,561.8	-195.0	640.5	-102.9	0.00	0.00	0.00



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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,700.0	6.67	106.93	10,661.1	-198.4	651.6	-104.7	0.00	0.00	0.00
10,748.4	6.67	106.93	10,709.1	-200.0	657.0	-105.6	0.00	0.00	0.00
10,750.0	6.61	105.29	10,710.7	-200.1	657.2	-105.6	12.00	-3.38	-99.58
10,775.0	6.48	78.77	10,735.6	-200.2	660.0	-105.3	12.00	-0.51	-106.08
10,800.0	7.63	56.00	10,760.4	-199.0	662.7	-103.7	12.00	4.60	-91.06
10,825.0	9.62	40.84	10,785.1	-196.5	665.5	-100.9	12.00	7.92	-60.66
10,850.0	12.02	31.24	10,809.7	-192.7	668.2	-96.7	12.00	9.63	-38.41
10,875.0	14.65	24.91	10,834.0	-187.6	670.9	-91.3	12.00	10.50	-25.31
10,900.0	17.39	20.51	10,858.0	-181.2	673.5	-84.6	12.00	10.98	-17.62
10,925.0	20.21	17.28	10,881.7	-173.6	676.1	-76.7	12.00	11.26	-12.89
10,950.0	23.07	14.83	10,904.9	-164.7	678.6	-67.6	12.00	11.44	-9.83
10,975.0	25.96	12.89	10,927.7	-154.6	681.1	-57.3	12.00	11.56	-7.76
11,000.0	28.87	11.31	10,949.9	-143.4	683.5	-45.8	12.00	11.65	-6.30
11,025.0	31.80	10.01	10,971.4	-131.0	685.9	-33.2	12.00	11.71	-5.23
11,050.0	34.74	8.90	10,992.3	-117.5	688.1	-19.5	12.00	11.75	-4.43
11,075.0	37.68	7.94	11,012.5	-102.9	690.3	-4.7	12.00	11.79	-3.82
11,100.0	40.64	7.11	11,031.9	-87.2	692.3	11.1	12.00	11.81	-3.34
11,125.0	43.59	6.37	11,050.4	-70.6	694.3	27.9	12.00	11.83	-2.96
11,150.0	46.56	5.70	11,068.1	-53.0	696.1	45.5	12.00	11.85	-2.66
11,175.0	49.52	5.10	11,084.8	-34.4	697.9	64.1	12.00	11.87	-2.41
11,200.0	52.49	4.55	11,100.5	-15.1	699.5	83.5	12.00	11.88	-2.20
11,225.0	55.46	4.04	11,115.2	5.1	701.0	103.7	12.00	11.89	-2.04
11,250.0	58.44	3.57	11,128.9	26.0	702.4	124.6	12.00	11.89	-1.90
11,275.0	61.41	3.12	11,141.4	47.6	703.7	146.1	12.00	11.90	-1.78
11,300.0	64.39	2.70	11,152.8	69.8	704.8	168.3	12.00	11.91	-1.68
11,325.0	67.37	2.30	11,163.0	92.6	705.8	191.0	12.00	11.91	-1.60
11,329.6	67.91	2.23	11,164.7	96.8	706.0	195.2	12.00	11.91	-1.56
FTP(Neptune 10 ST Com #501H)									
11,350.0	70.35	1.92	11,172.0	115.9	706.7	214.2	12.00	11.92	-1.52
11,375.0	73.33	1.55	11,179.8	139.6	707.4	237.8	12.00	11.92	-1.47
11,400.0	76.31	1.19	11,186.3	163.8	708.0	261.7	12.00	11.92	-1.43
11,425.0	79.29	0.84	11,191.6	188.2	708.4	286.0	12.00	11.92	-1.39
11,450.0	82.27	0.50	11,195.6	212.9	708.7	310.5	12.00	11.92	-1.37
11,475.0	85.25	0.17	11,198.3	237.7	708.8	335.1	12.00	11.93	-1.35
11,500.0	88.23	359.83	11,199.8	262.7	708.8	359.8	12.00	11.93	-1.34
11,514.8	90.00	359.63	11,200.0	277.5	708.8	374.5	12.00	11.93	-1.33
11,600.0	90.00	359.63	11,200.0	362.7	708.2	458.7	0.00	0.00	0.00
11,700.0	90.00	359.63	11,200.0	462.7	707.6	557.6	0.00	0.00	0.00
11,800.0	90.00	359.63	11,200.0	562.6	706.9	656.5	0.00	0.00	0.00
11,900.0	90.00	359.63	11,200.0	662.6	706.3	755.4	0.00	0.00	0.00
12,000.0	90.00	359.63	11,200.0	762.6	705.7	854.4	0.00	0.00	0.00
12,100.0	90.00	359.63	11,200.0	862.6	705.0	953.3	0.00	0.00	0.00
12,200.0	90.00	359.63	11,200.0	962.6	704.4	1,052.2	0.00	0.00	0.00
12,300.0	90.00	359.63	11,200.0	1,062.6	703.7	1,151.1	0.00	0.00	0.00
12,400.0	90.00	359.63	11,200.0	1,162.6	703.1	1,250.0	0.00	0.00	0.00
12,500.0	90.00	359.63	11,200.0	1,262.6	702.5	1,348.9	0.00	0.00	0.00
12,600.0	90.00	359.63	11,200.0	1,362.6	701.8	1,447.8	0.00	0.00	0.00
12,700.0	90.00	359.63	11,200.0	1,462.6	701.2	1,546.8	0.00	0.00	0.00
12,800.0	90.00	359.63	11,200.0	1,562.6	700.6	1,645.7	0.00	0.00	0.00
12,900.0	90.00	359.63	11,200.0	1,662.6	699.9	1,744.6	0.00	0.00	0.00
13,000.0	90.00	359.63	11,200.0	1,762.6	699.3	1,843.5	0.00	0.00	0.00
13,100.0	90.00	359.63	11,200.0	1,862.6	698.6	1,942.4	0.00	0.00	0.00
13,200.0	90.00	359.63	11,200.0	1,962.6	698.0	2,041.3	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 27 NME)
Site: Neptune 10 State Com
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #501H
TVD Reference: KB = 30 @ 3639.0usft (Cactus 123)
MD Reference: KB = 30 @ 3639.0usft (Cactus 123)
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)
13,300.0	90.00	359.63	11,200.0	2,062.6	697.4	2,140.2	0.00	0.00	0.00
13,400.0	90.00	359.63	11,200.0	2,162.6	696.7	2,239.1	0.00	0.00	0.00
13,500.0	90.00	359.63	11,200.0	2,262.6	696.1	2,338.1	0.00	0.00	0.00
13,600.0	90.00	359.63	11,200.0	2,362.6	695.5	2,437.0	0.00	0.00	0.00
13,700.0	90.00	359.63	11,200.0	2,462.6	694.8	2,535.9	0.00	0.00	0.00
13,800.0	90.00	359.63	11,200.0	2,562.6	694.2	2,634.8	0.00	0.00	0.00
13,900.0	90.00	359.63	11,200.0	2,662.6	693.5	2,733.7	0.00	0.00	0.00
14,000.0	90.00	359.63	11,200.0	2,762.6	692.9	2,832.6	0.00	0.00	0.00
14,100.0	90.00	359.63	11,200.0	2,862.6	692.3	2,931.5	0.00	0.00	0.00
14,200.0	90.00	359.63	11,200.0	2,962.6	691.6	3,030.4	0.00	0.00	0.00
14,300.0	90.00	359.63	11,200.0	3,062.6	691.0	3,129.4	0.00	0.00	0.00
14,400.0	90.00	359.63	11,200.0	3,162.6	690.3	3,228.3	0.00	0.00	0.00
14,500.0	90.00	359.63	11,200.0	3,262.6	689.7	3,327.2	0.00	0.00	0.00
14,600.0	90.00	359.63	11,200.0	3,362.6	689.1	3,426.1	0.00	0.00	0.00
14,700.0	90.00	359.63	11,200.0	3,462.6	688.4	3,525.0	0.00	0.00	0.00
14,800.0	90.00	359.63	11,200.0	3,562.6	687.8	3,623.9	0.00	0.00	0.00
14,900.0	90.00	359.63	11,200.0	3,662.6	687.2	3,722.8	0.00	0.00	0.00
15,000.0	90.00	359.63	11,200.0	3,762.6	686.5	3,821.8	0.00	0.00	0.00
15,100.0	90.00	359.63	11,200.0	3,862.6	685.9	3,920.7	0.00	0.00	0.00
15,200.0	90.00	359.63	11,200.0	3,962.6	685.2	4,019.6	0.00	0.00	0.00
15,300.0	90.00	359.63	11,200.0	4,062.6	684.6	4,118.5	0.00	0.00	0.00
15,400.0	90.00	359.63	11,200.0	4,162.6	684.0	4,217.4	0.00	0.00	0.00
15,500.0	90.00	359.63	11,200.0	4,262.6	683.3	4,316.3	0.00	0.00	0.00
15,600.0	90.00	359.63	11,200.0	4,362.6	682.7	4,415.2	0.00	0.00	0.00
15,700.0	90.00	359.63	11,200.0	4,462.6	682.1	4,514.1	0.00	0.00	0.00
15,800.0	90.00	359.63	11,200.0	4,562.6	681.4	4,613.1	0.00	0.00	0.00
15,900.0	90.00	359.63	11,200.0	4,662.6	680.8	4,712.0	0.00	0.00	0.00
16,000.0	90.00	359.63	11,200.0	4,762.6	680.1	4,810.9	0.00	0.00	0.00
16,021.4	90.00	359.63	11,200.0	4,784.0	680.0	4,832.1	0.00	0.00	0.00

PBHL(Neptune 10 ST Com #501H)

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 ST Cor - plan misses target center by 38.1usft at 11329.6usft MD (11164.7 TVD, 96.8 N, 706.0 E) - Point	0.00	0.00	11,200.0	83.0	710.0	446,686.00	741,491.00	32° 13' 32.320 N	103° 33' 8.672 W
PBHL(Neptune 10 ST Cor - plan hits target center - Point	0.00	0.00	11,200.0	4,784.0	680.0	451,387.00	741,461.00	32° 14' 18.840 N	103° 33' 8.623 W