

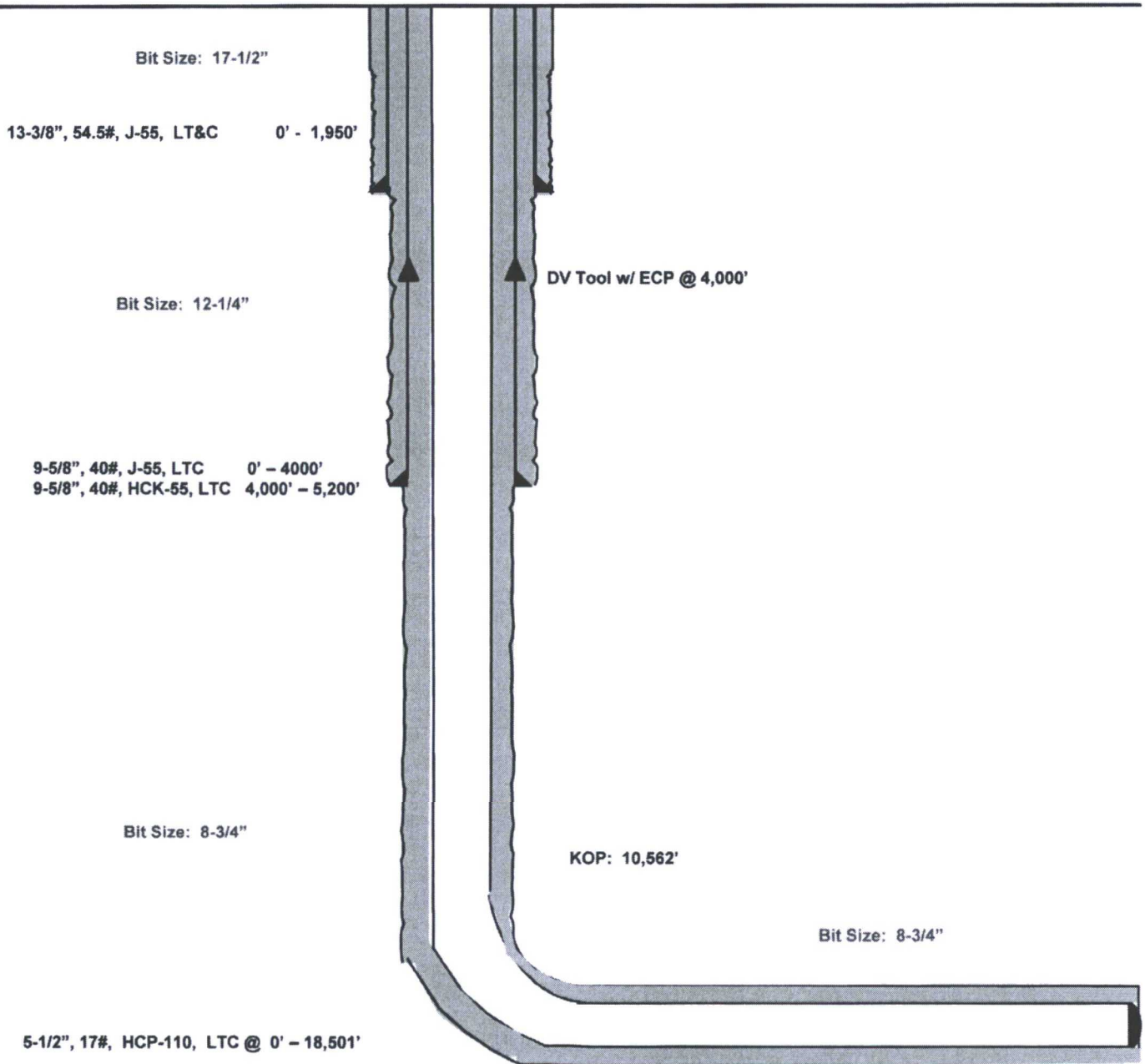
Nervosa 24 State Com #503H

**Lea County, New Mexico
Proposed Wellbore**

**2196' FNL
2280' FEL
Section 24
T-21-S, R-33-E**

API: 30-025-*****

**KB: 3,786'
GL: 3,761'**



Lateral: 18,501' MD, 10,947' TVD

**BH Location: 230' FNL & 1906' FEL
Section 13
T-21-S, R-33-E**



Lea County, NM (NAD 27 NME)
Nervosa 24 State Com #503H
Plan #0.1



Asimuths to Grid North
True North: -0.43°
Magnetic North: 6.55°
Magnetic Field
Strength: 48121.3anT
Dip Angle: 66.39°
Date: 09/2017
Model: IGRF2016

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 0.43°

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #503H

Ground Level: 3761.0
KB = 25' @ 3768.0usR
Northing 533962.00 Easting 749479.00 Latitude 32° 27' 55.34S N Longitude 103° 31' 28.013 W

SECTION DETAILS

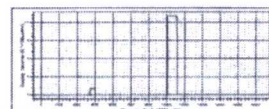
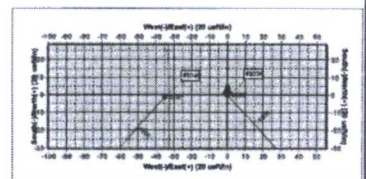
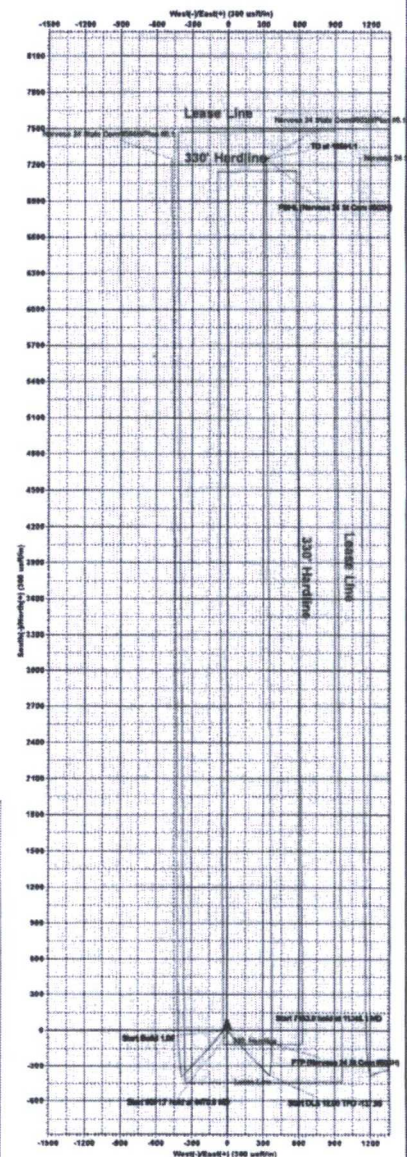
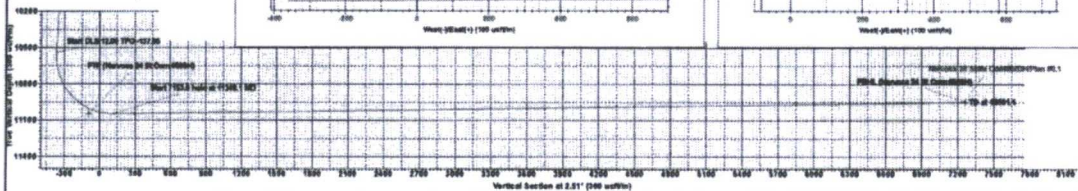
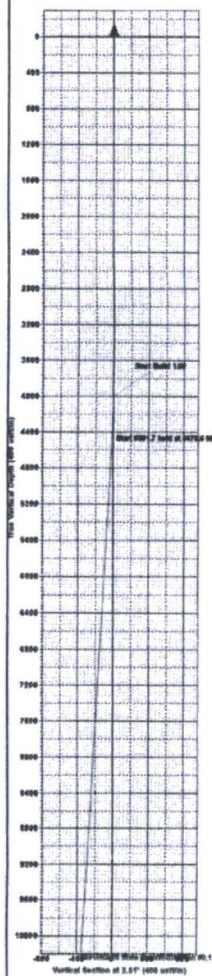
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4470.6	4.71	137.64	4470.0	-14.3	13.0	1.00	137.64	-13.7	
4	10562.3	4.71	137.64	10541.2	-383.5	349.8	0.00	0.00	-367.8	
5	11348.1	90.80	359.55	11047.0	99.9	374.2	12.00	-137.95	116.2	
6	16501.1	90.80	359.55	10947.1	7252.0	318.0	0.00	0.00	7250.0	PBHL (Nervosa 24 St Com #503H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL (Nervosa 24 St Com #503H)	10947.1	7252.0	318.0	541214.00	749797.00
FTP (Nervosa 24 St Com #503H)	11047.0	-106.0	375.0	533850.00	749894.00





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Nervosa 24 State Com

#503H

OH

Plan: Plan #0.1

Standard Planning Report

06 February, 2017



EOG Resources, Inc.

Planning Report

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well #503H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3786.0usft
Project:	Lea County, NM (NAD 27 NME)	MD Reference:	KB = 25' @ 3786.0usft
Site:	Nervosa 24 State Com	North Reference:	Grid
Well:	#503H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Nervosa 24 State Com				
Site Position:		Northing:	533,779.00 usft	Latitude:	32° 27' 53.402 N
From:	Map	Easting:	751,292.00 usft	Longitude:	103° 31' 6.869 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.44 °

Well	#503H					
Well Position	+N/-S	183.0 usft	Northing:	533,962.00 usft	Latitude:	32° 27' 55.349 N
	+E/-W	-1,813.0 usft	Easting:	749,479.00 usft	Longitude:	103° 31' 28.013 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,761.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/6/2017	6.99	60.30	48,121

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	2.51

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	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,470.6	4.71	137.64	4,470.0	-14.3	13.0	1.00	1.00	0.00	137.64	
10,562.3	4.71	137.64	10,541.2	-383.5	349.8	0.00	0.00	0.00	0.00	
11,348.1	90.80	359.55	11,047.0	99.9	374.2	12.00	10.96	-17.57	-137.95	
18,501.1	90.80	359.55	10,947.1	7,252.0	318.0	0.00	0.00	0.00	0.00	PBHL (Nervosa 24 St



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Nervosa 24 State Com
 Well: #503H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
 TVD Reference: KB = 25' @ 3786.0usft
 MD Reference: KB = 25' @ 3786.0usft
 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	1.00	137.64	4,100.0	-0.6	0.6	-0.6	1.00	1.00	0.00
4,200.0	2.00	137.64	4,200.0	-2.6	2.4	-2.5	1.00	1.00	0.00
4,300.0	3.00	137.64	4,299.9	-5.8	5.3	-5.6	1.00	1.00	0.00
4,400.0	4.00	137.64	4,399.7	-10.3	9.4	-9.9	1.00	1.00	0.00
4,470.6	4.71	137.64	4,470.0	-14.3	13.0	-13.7	1.00	1.00	0.00
4,500.0	4.71	137.64	4,499.4	-16.1	14.6	-15.4	0.00	0.00	0.00
4,600.0	4.71	137.64	4,599.0	-22.1	20.2	-21.2	0.00	0.00	0.00
4,700.0	4.71	137.64	4,698.7	-28.2	25.7	-27.0	0.00	0.00	0.00
4,800.0	4.71	137.64	4,798.4	-34.2	31.2	-32.8	0.00	0.00	0.00
4,900.0	4.71	137.64	4,898.0	-40.3	36.8	-38.7	0.00	0.00	0.00
5,000.0	4.71	137.64	4,997.7	-46.4	42.3	-44.5	0.00	0.00	0.00
5,100.0	4.71	137.64	5,097.3	-52.4	47.8	-50.3	0.00	0.00	0.00
5,200.0	4.71	137.64	5,197.0	-58.5	53.3	-56.1	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: Nervosa 24 State Com
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25' @ 3786.0usft
MD Reference: KB = 25' @ 3786.0usft
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)
5,300.0	4.71	137.64	5,296.7	-64.5	58.9	-61.9	0.00	0.00	0.00
5,400.0	4.71	137.64	5,396.3	-70.6	64.4	-67.7	0.00	0.00	0.00
5,500.0	4.71	137.64	5,496.0	-76.7	69.9	-73.5	0.00	0.00	0.00
5,600.0	4.71	137.64	5,595.7	-82.7	75.4	-79.3	0.00	0.00	0.00
5,700.0	4.71	137.64	5,695.3	-88.8	81.0	-85.2	0.00	0.00	0.00
5,800.0	4.71	137.64	5,795.0	-94.9	86.5	-91.0	0.00	0.00	0.00
5,900.0	4.71	137.64	5,894.7	-100.9	92.0	-96.8	0.00	0.00	0.00
6,000.0	4.71	137.64	5,994.3	-107.0	97.6	-102.6	0.00	0.00	0.00
6,100.0	4.71	137.64	6,094.0	-113.0	103.1	-108.4	0.00	0.00	0.00
6,200.0	4.71	137.64	6,193.6	-119.1	108.6	-114.2	0.00	0.00	0.00
6,300.0	4.71	137.64	6,293.3	-125.2	114.1	-120.0	0.00	0.00	0.00
6,400.0	4.71	137.64	6,393.0	-131.2	119.7	-125.9	0.00	0.00	0.00
6,500.0	4.71	137.64	6,492.6	-137.3	125.2	-131.7	0.00	0.00	0.00
6,600.0	4.71	137.64	6,592.3	-143.3	130.7	-137.5	0.00	0.00	0.00
6,700.0	4.71	137.64	6,692.0	-149.4	136.3	-143.3	0.00	0.00	0.00
6,800.0	4.71	137.64	6,791.6	-155.5	141.8	-149.1	0.00	0.00	0.00
6,900.0	4.71	137.64	6,891.3	-161.5	147.3	-154.9	0.00	0.00	0.00
7,000.0	4.71	137.64	6,990.9	-167.6	152.8	-160.7	0.00	0.00	0.00
7,100.0	4.71	137.64	7,090.6	-173.7	158.4	-166.5	0.00	0.00	0.00
7,200.0	4.71	137.64	7,190.3	-179.7	163.9	-172.4	0.00	0.00	0.00
7,300.0	4.71	137.64	7,289.9	-185.8	169.4	-178.2	0.00	0.00	0.00
7,400.0	4.71	137.64	7,389.6	-191.8	175.0	-184.0	0.00	0.00	0.00
7,500.0	4.71	137.64	7,489.3	-197.9	180.5	-189.8	0.00	0.00	0.00
7,600.0	4.71	137.64	7,588.9	-204.0	186.0	-195.6	0.00	0.00	0.00
7,700.0	4.71	137.64	7,688.6	-210.0	191.5	-201.4	0.00	0.00	0.00
7,800.0	4.71	137.64	7,788.2	-216.1	197.1	-207.2	0.00	0.00	0.00
7,900.0	4.71	137.64	7,887.9	-222.1	202.6	-213.1	0.00	0.00	0.00
8,000.0	4.71	137.64	7,987.6	-228.2	208.1	-218.9	0.00	0.00	0.00
8,100.0	4.71	137.64	8,087.2	-234.3	213.6	-224.7	0.00	0.00	0.00
8,200.0	4.71	137.64	8,186.9	-240.3	219.2	-230.5	0.00	0.00	0.00
8,300.0	4.71	137.64	8,286.6	-246.4	224.7	-236.3	0.00	0.00	0.00
8,400.0	4.71	137.64	8,386.2	-252.5	230.2	-242.1	0.00	0.00	0.00
8,500.0	4.71	137.64	8,485.9	-258.5	235.8	-247.9	0.00	0.00	0.00
8,600.0	4.71	137.64	8,585.6	-264.6	241.3	-253.8	0.00	0.00	0.00
8,700.0	4.71	137.64	8,685.2	-270.6	246.8	-259.6	0.00	0.00	0.00
8,800.0	4.71	137.64	8,784.9	-276.7	252.3	-265.4	0.00	0.00	0.00
8,900.0	4.71	137.64	8,884.5	-282.8	257.9	-271.2	0.00	0.00	0.00
9,000.0	4.71	137.64	8,984.2	-288.8	263.4	-277.0	0.00	0.00	0.00
9,100.0	4.71	137.64	9,083.9	-294.9	268.9	-282.8	0.00	0.00	0.00
9,200.0	4.71	137.64	9,183.5	-300.9	274.5	-288.6	0.00	0.00	0.00
9,300.0	4.71	137.64	9,283.2	-307.0	280.0	-294.4	0.00	0.00	0.00
9,400.0	4.71	137.64	9,382.9	-313.1	285.5	-300.3	0.00	0.00	0.00
9,500.0	4.71	137.64	9,482.5	-319.1	291.0	-306.1	0.00	0.00	0.00
9,600.0	4.71	137.64	9,582.2	-325.2	296.6	-311.9	0.00	0.00	0.00
9,700.0	4.71	137.64	9,681.8	-331.3	302.1	-317.7	0.00	0.00	0.00
9,800.0	4.71	137.64	9,781.5	-337.3	307.6	-323.5	0.00	0.00	0.00
9,900.0	4.71	137.64	9,881.2	-343.4	313.2	-329.3	0.00	0.00	0.00
10,000.0	4.71	137.64	9,980.8	-349.4	318.7	-335.1	0.00	0.00	0.00
10,100.0	4.71	137.64	10,080.5	-355.5	324.2	-341.0	0.00	0.00	0.00
10,200.0	4.71	137.64	10,180.2	-361.6	329.7	-346.8	0.00	0.00	0.00
10,300.0	4.71	137.64	10,279.8	-367.6	335.3	-352.6	0.00	0.00	0.00
10,400.0	4.71	137.64	10,379.5	-373.7	340.8	-358.4	0.00	0.00	0.00
10,500.0	4.71	137.64	10,479.1	-379.7	346.3	-364.2	0.00	0.00	0.00
10,562.3	4.71	137.64	10,541.2	-383.5	349.8	-367.8	0.00	0.00	0.00



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Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3786.0usft
MD Reference: KB = 25' @ 3786.0usft
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)
10,575.0	3.71	121.61	10,553.9	-384.1	350.5	-368.4	12.00	-7.78	-125.72
10,600.0	3.31	71.44	10,578.9	-384.3	351.8	-368.5	12.00	-1.60	-200.67
10,625.0	5.12	37.53	10,603.8	-383.2	353.2	-367.4	12.00	7.20	-135.64
10,650.0	7.70	23.61	10,628.6	-380.8	354.6	-364.9	12.00	10.35	-55.71
10,675.0	10.51	16.85	10,653.3	-377.1	355.9	-361.1	12.00	11.23	-27.02
10,700.0	13.40	12.95	10,677.8	-372.1	357.2	-356.1	12.00	11.56	-15.60
10,725.0	16.33	10.42	10,701.9	-365.8	358.5	-349.7	12.00	11.72	-10.12
10,750.0	19.28	8.65	10,725.7	-358.2	359.7	-342.1	12.00	11.80	-7.10
10,775.0	22.25	7.33	10,749.1	-349.5	361.0	-333.3	12.00	11.85	-5.27
10,800.0	25.22	6.31	10,772.0	-339.5	362.2	-323.3	12.00	11.89	-4.09
10,825.0	28.19	5.49	10,794.3	-328.3	363.3	-312.1	12.00	11.91	-3.27
10,850.0	31.18	4.81	10,816.0	-316.0	364.4	-299.7	12.00	11.93	-2.69
10,875.0	34.16	4.25	10,837.1	-302.5	365.5	-286.2	12.00	11.94	-2.27
10,900.0	37.15	3.76	10,857.4	-288.0	366.5	-271.7	12.00	11.95	-1.94
10,925.0	40.14	3.34	10,876.9	-272.4	367.5	-256.0	12.00	11.95	-1.69
10,950.0	43.12	2.96	10,895.6	-255.8	368.4	-239.4	12.00	11.96	-1.50
10,975.0	46.12	2.63	10,913.4	-238.3	369.2	-221.9	12.00	11.96	-1.34
11,000.0	49.11	2.33	10,930.3	-219.8	370.0	-203.4	12.00	11.97	-1.21
11,025.0	52.10	2.05	10,946.1	-200.5	370.8	-184.1	12.00	11.97	-1.10
11,050.0	55.09	1.79	10,961.0	-180.4	371.4	-164.0	12.00	11.97	-1.02
11,075.0	58.09	1.56	10,974.7	-159.6	372.0	-143.1	12.00	11.97	-0.95
11,100.0	61.08	1.34	10,987.4	-138.0	372.6	-121.6	12.00	11.98	-0.89
11,125.0	64.07	1.13	10,998.9	-115.8	373.1	-99.4	12.00	11.98	-0.84
11,150.0	67.07	0.93	11,009.2	-93.1	373.5	-76.6	12.00	11.98	-0.80
FTP (Nervosa 24 St Com #503H)									
11,175.0	70.06	0.74	11,018.4	-69.8	373.8	-53.4	12.00	11.98	-0.76
11,200.0	73.06	0.55	11,026.3	-46.1	374.1	-29.7	12.00	11.98	-0.73
11,225.0	76.05	0.38	11,032.9	-22.0	374.3	-5.6	12.00	11.98	-0.71
11,250.0	79.05	0.20	11,038.3	2.4	374.4	18.8	12.00	11.98	-0.69
11,275.0	82.04	0.03	11,042.4	27.1	374.4	43.4	12.00	11.98	-0.68
11,300.0	85.04	359.87	11,045.2	51.9	374.4	68.2	12.00	11.98	-0.67
11,325.0	88.04	359.70	11,046.7	76.8	374.3	93.2	12.00	11.98	-0.66
11,348.1	90.80	359.55	11,047.0	99.9	374.2	116.2	12.00	11.98	-0.66
11,400.0	90.80	359.55	11,046.2	151.8	373.8	168.1	0.00	0.00	0.00
11,500.0	90.80	359.55	11,044.9	251.8	373.0	267.9	0.00	0.00	0.00
11,600.0	90.80	359.55	11,043.5	351.8	372.2	367.8	0.00	0.00	0.00
11,700.0	90.80	359.55	11,042.1	451.8	371.4	467.6	0.00	0.00	0.00
11,800.0	90.80	359.55	11,040.7	551.8	370.6	567.5	0.00	0.00	0.00
11,900.0	90.80	359.55	11,039.3	651.8	369.8	667.3	0.00	0.00	0.00
12,000.0	90.80	359.55	11,037.9	751.8	369.1	767.2	0.00	0.00	0.00
12,100.0	90.80	359.55	11,036.5	851.7	368.3	867.1	0.00	0.00	0.00
12,200.0	90.80	359.55	11,035.1	951.7	367.5	966.9	0.00	0.00	0.00
12,300.0	90.80	359.55	11,033.7	1,051.7	366.7	1,066.8	0.00	0.00	0.00
12,400.0	90.80	359.55	11,032.3	1,151.7	365.9	1,166.6	0.00	0.00	0.00
12,500.0	90.80	359.55	11,030.9	1,251.7	365.1	1,266.5	0.00	0.00	0.00
12,600.0	90.80	359.55	11,029.5	1,351.7	364.3	1,366.3	0.00	0.00	0.00
12,700.0	90.80	359.55	11,028.1	1,451.7	363.6	1,466.2	0.00	0.00	0.00
12,800.0	90.80	359.55	11,026.7	1,551.7	362.8	1,566.1	0.00	0.00	0.00
12,900.0	90.80	359.55	11,025.3	1,651.6	362.0	1,665.9	0.00	0.00	0.00
13,000.0	90.80	359.55	11,023.9	1,751.6	361.2	1,765.8	0.00	0.00	0.00
13,100.0	90.80	359.55	11,022.5	1,851.6	360.4	1,865.6	0.00	0.00	0.00
13,200.0	90.80	359.55	11,021.1	1,951.6	359.6	1,965.5	0.00	0.00	0.00
13,300.0	90.80	359.55	11,019.7	2,051.6	358.8	2,065.3	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: Nervosa 24 State Com
Well: #503H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25' @ 3786.0usft
MD Reference: KB = 25' @ 3786.0usft
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)
13,400.0	90.80	359.55	11,018.3	2,151.6	358.1	2,165.2	0.00	0.00	0.00
13,500.0	90.80	359.55	11,016.9	2,251.6	357.3	2,265.1	0.00	0.00	0.00
13,600.0	90.80	359.55	11,015.5	2,351.6	356.5	2,364.9	0.00	0.00	0.00
13,700.0	90.80	359.55	11,014.1	2,451.5	355.7	2,464.8	0.00	0.00	0.00
13,800.0	90.80	359.55	11,012.7	2,551.5	354.9	2,564.6	0.00	0.00	0.00
13,900.0	90.80	359.55	11,011.3	2,651.5	354.1	2,664.5	0.00	0.00	0.00
14,000.0	90.80	359.55	11,009.9	2,751.5	353.3	2,764.3	0.00	0.00	0.00
14,100.0	90.80	359.55	11,008.5	2,851.5	352.6	2,864.2	0.00	0.00	0.00
14,200.0	90.80	359.55	11,007.2	2,951.5	351.8	2,964.1	0.00	0.00	0.00
14,300.0	90.80	359.55	11,005.8	3,051.5	351.0	3,063.9	0.00	0.00	0.00
14,400.0	90.80	359.55	11,004.4	3,151.5	350.2	3,163.8	0.00	0.00	0.00
14,500.0	90.80	359.55	11,003.0	3,251.4	349.4	3,263.6	0.00	0.00	0.00
14,600.0	90.80	359.55	11,001.6	3,351.4	348.6	3,363.5	0.00	0.00	0.00
14,700.0	90.80	359.55	11,000.2	3,451.4	347.9	3,463.3	0.00	0.00	0.00
14,800.0	90.80	359.55	10,998.8	3,551.4	347.1	3,563.2	0.00	0.00	0.00
14,900.0	90.80	359.55	10,997.4	3,651.4	346.3	3,663.1	0.00	0.00	0.00
15,000.0	90.80	359.55	10,996.0	3,751.4	345.5	3,762.9	0.00	0.00	0.00
15,100.0	90.80	359.55	10,994.6	3,851.4	344.7	3,862.8	0.00	0.00	0.00
15,200.0	90.80	359.55	10,993.2	3,951.3	343.9	3,962.6	0.00	0.00	0.00
15,300.0	90.80	359.55	10,991.8	4,051.3	343.1	4,062.5	0.00	0.00	0.00
15,400.0	90.80	359.55	10,990.4	4,151.3	342.4	4,162.3	0.00	0.00	0.00
15,500.0	90.80	359.55	10,989.0	4,251.3	341.6	4,262.2	0.00	0.00	0.00
15,600.0	90.80	359.55	10,987.6	4,351.3	340.8	4,362.0	0.00	0.00	0.00
15,700.0	90.80	359.55	10,986.2	4,451.3	340.0	4,461.9	0.00	0.00	0.00
15,800.0	90.80	359.55	10,984.8	4,551.3	339.2	4,561.8	0.00	0.00	0.00
15,900.0	90.80	359.55	10,983.4	4,651.3	338.4	4,661.6	0.00	0.00	0.00
16,000.0	90.80	359.55	10,982.0	4,751.2	337.6	4,761.5	0.00	0.00	0.00
16,100.0	90.80	359.55	10,980.6	4,851.2	336.9	4,861.3	0.00	0.00	0.00
16,200.0	90.80	359.55	10,979.2	4,951.2	336.1	4,961.2	0.00	0.00	0.00
16,300.0	90.80	359.55	10,977.8	5,051.2	335.3	5,061.0	0.00	0.00	0.00
16,400.0	90.80	359.55	10,976.4	5,151.2	334.5	5,160.9	0.00	0.00	0.00
16,500.0	90.80	359.55	10,975.0	5,251.2	333.7	5,260.8	0.00	0.00	0.00
16,600.0	90.80	359.55	10,973.6	5,351.2	332.9	5,360.6	0.00	0.00	0.00
16,700.0	90.80	359.55	10,972.2	5,451.2	332.1	5,460.5	0.00	0.00	0.00
16,800.0	90.80	359.55	10,970.9	5,551.1	331.4	5,560.3	0.00	0.00	0.00
16,900.0	90.80	359.55	10,969.5	5,651.1	330.6	5,660.2	0.00	0.00	0.00
17,000.0	90.80	359.55	10,968.1	5,751.1	329.8	5,760.0	0.00	0.00	0.00
17,100.0	90.80	359.55	10,966.7	5,851.1	329.0	5,859.9	0.00	0.00	0.00
17,200.0	90.80	359.55	10,965.3	5,951.1	328.2	5,959.8	0.00	0.00	0.00
17,300.0	90.80	359.55	10,963.9	6,051.1	327.4	6,059.6	0.00	0.00	0.00
17,400.0	90.80	359.55	10,962.5	6,151.1	326.6	6,159.5	0.00	0.00	0.00
17,500.0	90.80	359.55	10,961.1	6,251.1	325.9	6,259.3	0.00	0.00	0.00
17,600.0	90.80	359.55	10,959.7	6,351.0	325.1	6,359.2	0.00	0.00	0.00
17,700.0	90.80	359.55	10,958.3	6,451.0	324.3	6,459.0	0.00	0.00	0.00
17,800.0	90.80	359.55	10,956.9	6,551.0	323.5	6,558.9	0.00	0.00	0.00
17,900.0	90.80	359.55	10,955.5	6,651.0	322.7	6,658.8	0.00	0.00	0.00
18,000.0	90.80	359.55	10,954.1	6,751.0	321.9	6,758.6	0.00	0.00	0.00
18,100.0	90.80	359.55	10,952.7	6,851.0	321.1	6,858.5	0.00	0.00	0.00
18,200.0	90.80	359.55	10,951.3	6,951.0	320.4	6,958.3	0.00	0.00	0.00
18,300.0	90.80	359.55	10,949.9	7,050.9	319.6	7,058.2	0.00	0.00	0.00
18,400.0	90.80	359.55	10,948.5	7,150.9	318.8	7,158.0	0.00	0.00	0.00
18,501.1	90.80	359.55	10,947.1	7,252.0	318.0	7,259.0	0.00	0.00	0.00

PBHL (Nervosa 24 St Com #503H)



EOG Resources, Inc.

Planning Report

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Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #503H
TVD Reference: KB = 25' @ 3786.0usft
MD Reference: KB = 25' @ 3786.0usft
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
PBHL (Nervosa 24 St Cr - plan hits target center - Point	0.00	0.00	10,947.1	7,252.0	318.0	541,214.00	749,797.00	32° 29' 7.084 N	103° 31' 23.658 W
FTP (Nervosa 24 St Cor - plan misses target center by 41.0usft at 11150.0usft MD (11009.2 TVD, -93.1 N, 373.5 E) - Point	0.00	0.00	11,047.0	-109.0	375.0	533,853.00	749,854.00	32° 27' 54.243 N	103° 31' 23.645 W