

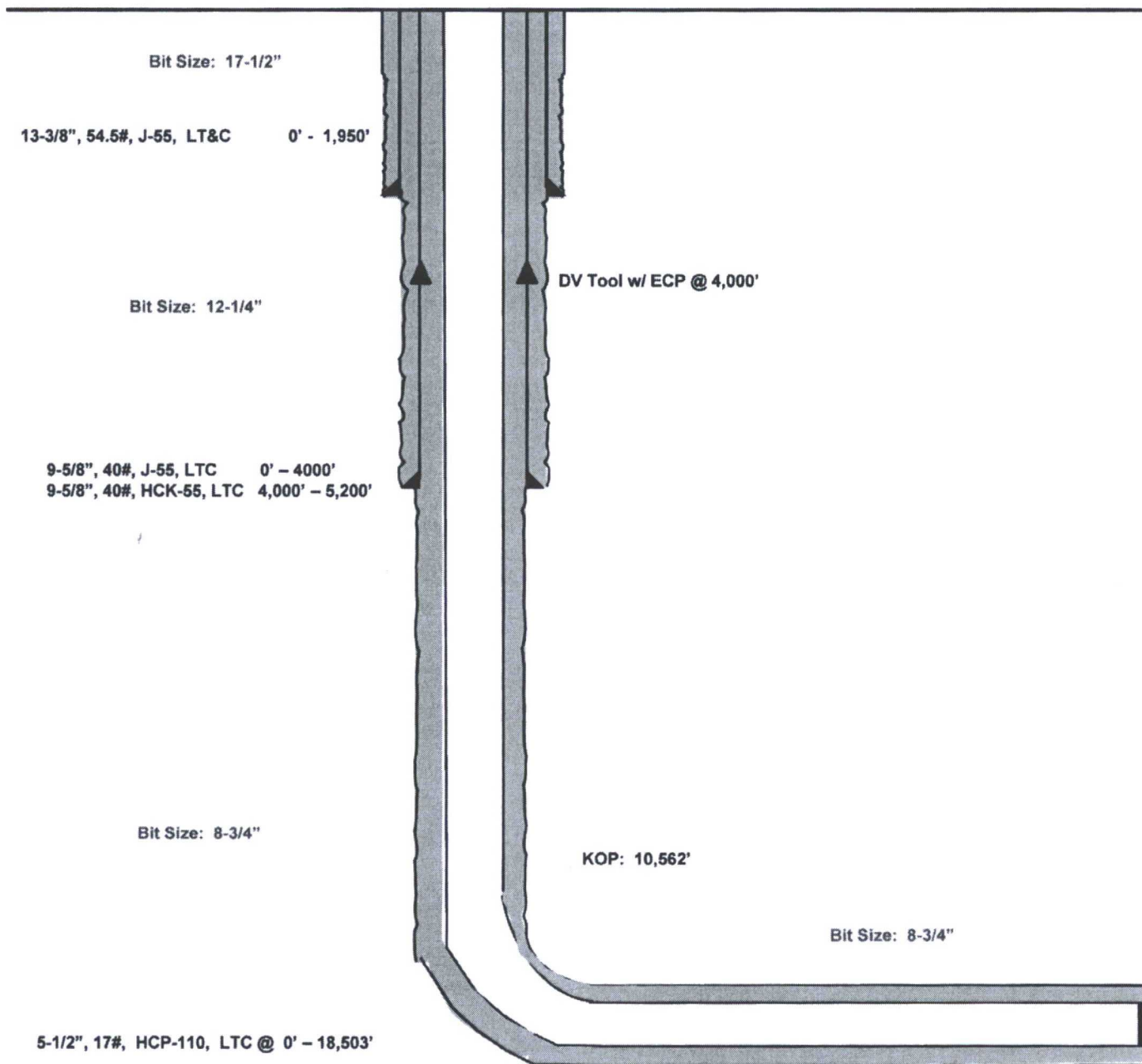
Nervosa 24 State Com #504H

**Lea County, New Mexico
Proposed Wellbore**

**2196' FNL
2315' FEL
Section 24
T-21-S, R-33-E**

API: 30-025-*****

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



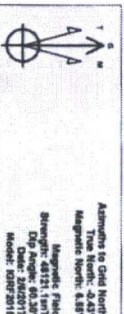
Lateral: 18,503' MD, 10,947' TVD

**BH Location: 230' FNL & 2594' FWL
Section 13
T-21-S, R-33-E**



Lea County, NM (NAD 27 NME)
Nervosa 24 State Com #504H

PROJECT DETAILS: Las County, NM (MAD 27 NM/E)
Geodetic System: US State Plane 1927 (Easart solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



To convert a Magnetic Direction to a Grid Direction, Add 6.95°.
To convert a Magnetic Direction to a True Direction, Add 6.99° East.
To convert a True Direction to a Grid Direction, Subtract 0.43°.

WELL DETAILS: 6004H			
Ground Level:	3781.0		
KB = 2F @ 3780.0m			
Northings	753951.00	Eastings	758444.00
Latitude	32.5837278	Longitude	-103.5240142

SECTION DETAILS

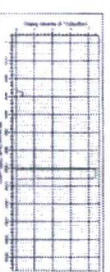
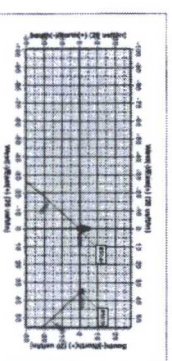
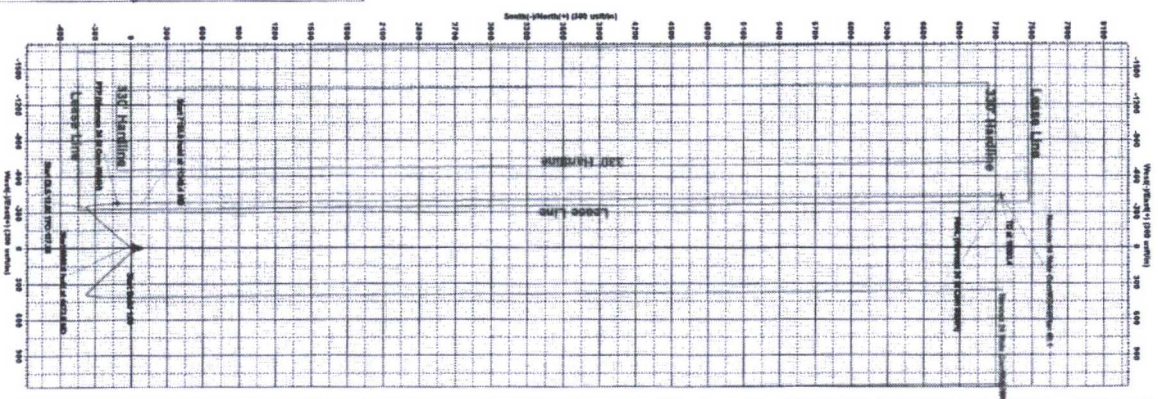
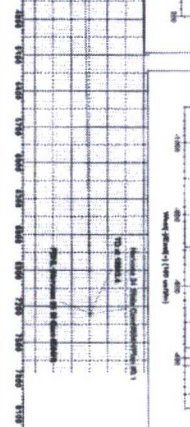
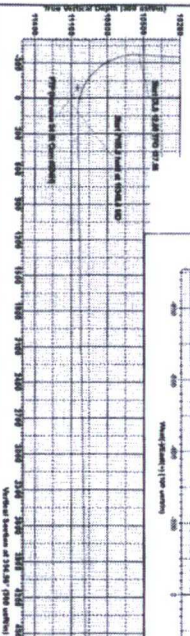
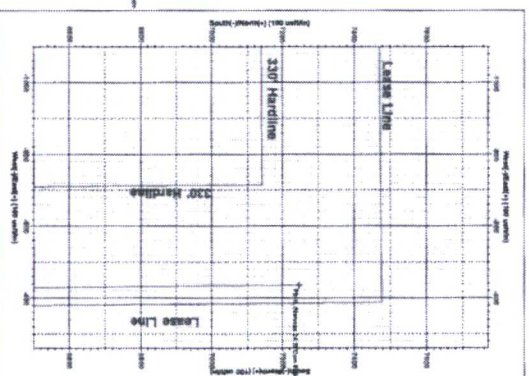
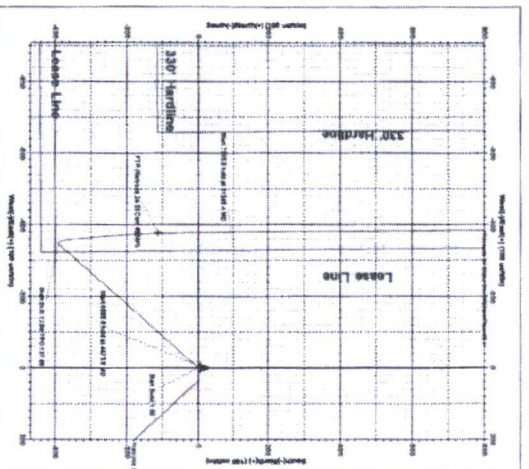
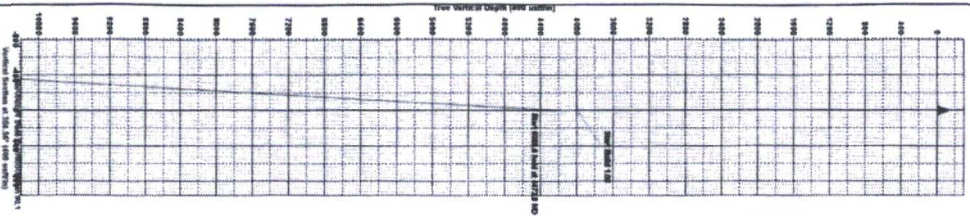
SECTION DETAILS										
	MD	Inc	Azi	TYD	+W-S	+E-W	Dleg	Tface	Vsect	Target
Sec 1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	321.55	0.00	0.00	321.55	0.0	0.0	0.00	0.00	0.0	
4	10362.6	4.74	221.65	10341.1	-391.1	-346.6	0.00	0.00	-399.6	
5	11346.4	90.90	356.55	11047.0	919	-376.8	12.00	137.66	114.5	
6	18503.4	50.80	356.55	11047.1	7246.0	435.0	0.00	0.00	7259.0	
										PBIL (Noreas 24 St Com #504h)

CASINO DETAILS

The casting data is available in

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	N+/-S	E+/-W	Northing	Easting
PRLT (Nervosa 24 St Conn #9044)	10947.1	7246.0	435.0	641267.00	749003.00
FTP (Nervosa 24 St Conn #9044)	11047.0	-113.0	-378.0	633648.00	749064.00



Author's address: Department of Psychology,
University of Illinois at Chicago, Chicago, IL
60607-7181, USA.
E-mail: jay@uic.edu



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Nervosa 24 State Com

#504H

OH

Plan: Plan #0.1

Standard Planning Report

06 February, 2017



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: #504H
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

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
From:	Map	Easting:	751,292.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.46483389
		Longitude:	-103.51857467
		Grid Convergence:	0.44 °

Well	#504H		
Well Position	+N/-S	182.0 usft	Northing: 533,961.00 usft
	+E/-W	-1,848.0 usft	Easting: 749,444.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32.46537277
		Longitude:	-103.52456142
		Ground Level:	3,761.0 usft

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

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°) 356.56

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	
4,473.8	4.74	221.55	4,473.3	-14.7	-13.0	1.00	1.00	0.00	221.55	
10,562.4	4.74	221.55	10,541.1	-391.1	-346.6	0.00	0.00	0.00	0.00	
11,348.4	90.80	359.55	11,047.0	91.9	-378.8	12.00	10.95	17.56	137.86	
18,503.4	90.80	359.55	10,947.1	7,246.0	-435.0	0.00	0.00	0.00	0.00	PBHL (Nervosa 24 St



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
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Project: Lea County, NM (NAD 27 NME)
Site: Nervosa 24 State Com
Well: #504H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
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	221.55	4,100.0	-0.7	-0.6	-0.6	1.00	1.00	0.00
4,200.0	2.00	221.55	4,200.0	-2.6	-2.3	-2.5	1.00	1.00	0.00
4,300.0	3.00	221.55	4,299.9	-5.9	-5.2	-5.6	1.00	1.00	0.00
4,400.0	4.00	221.55	4,399.7	-10.4	-9.3	-9.9	1.00	1.00	0.00
4,473.8	4.74	221.55	4,473.3	-14.7	-13.0	-13.9	1.00	1.00	0.00
4,500.0	4.74	221.55	4,499.4	-16.3	-14.4	-15.4	0.00	0.00	0.00
4,600.0	4.74	221.55	4,599.0	-22.5	-19.9	-21.2	0.00	0.00	0.00
4,700.0	4.74	221.55	4,698.7	-28.6	-25.4	-27.1	0.00	0.00	0.00
4,800.0	4.74	221.55	4,798.3	-34.8	-30.9	-32.9	0.00	0.00	0.00
4,900.0	4.74	221.55	4,898.0	-41.0	-36.3	-38.8	0.00	0.00	0.00
5,000.0	4.74	221.55	4,997.7	-47.2	-41.8	-44.6	0.00	0.00	0.00
5,100.0	4.74	221.55	5,097.3	-53.4	-47.3	-50.4	0.00	0.00	0.00
5,200.0	4.74	221.55	5,197.0	-59.5	-52.8	-56.3	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: #504H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
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	4.74	221.55	5,296.6	-65.7	-58.3	-62.1	0.00	0.00	0.00
5,400.0	4.74	221.55	5,396.3	-71.9	-63.7	-68.0	0.00	0.00	0.00
5,500.0	4.74	221.55	5,496.0	-78.1	-69.2	-73.8	0.00	0.00	0.00
5,600.0	4.74	221.55	5,595.6	-84.3	-74.7	-79.7	0.00	0.00	0.00
5,700.0	4.74	221.55	5,695.3	-90.5	-80.2	-85.5	0.00	0.00	0.00
5,800.0	4.74	221.55	5,794.9	-96.6	-85.6	-91.3	0.00	0.00	0.00
5,900.0	4.74	221.55	5,894.6	-102.8	-91.1	-97.2	0.00	0.00	0.00
6,000.0	4.74	221.55	5,994.2	-109.0	-96.6	-103.0	0.00	0.00	0.00
6,100.0	4.74	221.55	6,093.9	-115.2	-102.1	-108.9	0.00	0.00	0.00
6,200.0	4.74	221.55	6,193.6	-121.4	-107.6	-114.7	0.00	0.00	0.00
6,300.0	4.74	221.55	6,293.2	-127.6	-113.0	-120.5	0.00	0.00	0.00
6,400.0	4.74	221.55	6,392.9	-133.7	-118.5	-126.4	0.00	0.00	0.00
6,500.0	4.74	221.55	6,492.5	-139.9	-124.0	-132.2	0.00	0.00	0.00
6,600.0	4.74	221.55	6,592.2	-146.1	-129.5	-138.1	0.00	0.00	0.00
6,700.0	4.74	221.55	6,691.9	-152.3	-135.0	-143.9	0.00	0.00	0.00
6,800.0	4.74	221.55	6,791.5	-158.5	-140.4	-149.8	0.00	0.00	0.00
6,900.0	4.74	221.55	6,891.2	-164.6	-145.9	-155.6	0.00	0.00	0.00
7,000.0	4.74	221.55	6,990.8	-170.8	-151.4	-161.4	0.00	0.00	0.00
7,100.0	4.74	221.55	7,090.5	-177.0	-156.9	-167.3	0.00	0.00	0.00
7,200.0	4.74	221.55	7,190.1	-183.2	-162.3	-173.1	0.00	0.00	0.00
7,300.0	4.74	221.55	7,289.8	-189.4	-167.8	-179.0	0.00	0.00	0.00
7,400.0	4.74	221.55	7,389.5	-195.6	-173.3	-184.8	0.00	0.00	0.00
7,500.0	4.74	221.55	7,489.1	-201.7	-178.8	-190.7	0.00	0.00	0.00
7,600.0	4.74	221.55	7,588.8	-207.9	-184.3	-196.5	0.00	0.00	0.00
7,700.0	4.74	221.55	7,688.4	-214.1	-189.7	-202.3	0.00	0.00	0.00
7,800.0	4.74	221.55	7,788.1	-220.3	-195.2	-208.2	0.00	0.00	0.00
7,900.0	4.74	221.55	7,887.8	-226.5	-200.7	-214.0	0.00	0.00	0.00
8,000.0	4.74	221.55	7,987.4	-232.6	-206.2	-219.9	0.00	0.00	0.00
8,100.0	4.74	221.55	8,087.1	-238.8	-211.7	-225.7	0.00	0.00	0.00
8,200.0	4.74	221.55	8,186.7	-245.0	-217.1	-231.6	0.00	0.00	0.00
8,300.0	4.74	221.55	8,286.4	-251.2	-222.6	-237.4	0.00	0.00	0.00
8,400.0	4.74	221.55	8,386.0	-257.4	-228.1	-243.2	0.00	0.00	0.00
8,500.0	4.74	221.55	8,485.7	-263.6	-233.6	-249.1	0.00	0.00	0.00
8,600.0	4.74	221.55	8,585.4	-269.7	-239.0	-254.9	0.00	0.00	0.00
8,700.0	4.74	221.55	8,685.0	-275.9	-244.5	-260.8	0.00	0.00	0.00
8,800.0	4.74	221.55	8,784.7	-282.1	-250.0	-266.6	0.00	0.00	0.00
8,900.0	4.74	221.55	8,884.3	-288.3	-255.5	-272.5	0.00	0.00	0.00
9,000.0	4.74	221.55	8,984.0	-294.5	-261.0	-278.3	0.00	0.00	0.00
9,100.0	4.74	221.55	9,083.6	-300.7	-266.4	-284.1	0.00	0.00	0.00
9,200.0	4.74	221.55	9,183.3	-306.8	-271.9	-290.0	0.00	0.00	0.00
9,300.0	4.74	221.55	9,283.0	-313.0	-277.4	-295.8	0.00	0.00	0.00
9,400.0	4.74	221.55	9,382.6	-319.2	-282.9	-301.7	0.00	0.00	0.00
9,500.0	4.74	221.55	9,482.3	-325.4	-288.4	-307.5	0.00	0.00	0.00
9,600.0	4.74	221.55	9,581.9	-331.6	-293.8	-313.4	0.00	0.00	0.00
9,700.0	4.74	221.55	9,681.6	-337.7	-299.3	-319.2	0.00	0.00	0.00
9,800.0	4.74	221.55	9,781.3	-343.9	-304.8	-325.0	0.00	0.00	0.00
9,900.0	4.74	221.55	9,880.9	-350.1	-310.3	-330.9	0.00	0.00	0.00
10,000.0	4.74	221.55	9,980.6	-356.3	-315.7	-336.7	0.00	0.00	0.00
10,100.0	4.74	221.55	10,080.2	-362.5	-321.2	-342.6	0.00	0.00	0.00
10,200.0	4.74	221.55	10,179.9	-368.7	-326.7	-348.4	0.00	0.00	0.00
10,300.0	4.74	221.55	10,279.5	-374.8	-332.2	-354.3	0.00	0.00	0.00
10,400.0	4.74	221.55	10,379.2	-381.0	-337.7	-360.1	0.00	0.00	0.00
10,500.0	4.74	221.55	10,478.9	-387.2	-343.1	-365.9	0.00	0.00	0.00
10,562.4	4.74	221.55	10,541.1	-391.1	-346.6	-369.6	0.00	0.00	0.00



EOG Resources, Inc.
Planning Report

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Site: Nervosa 24 State Com
Well: #504H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #504H
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	3.76	237.20	10,553.6	-391.7	-347.3	-370.2	12.00	-7.79	124.38
10,600.0	3.33	286.87	10,578.6	-391.9	-348.6	-370.3	12.00	-1.72	198.68
10,625.0	5.10	321.06	10,603.5	-390.8	-350.0	-369.2	12.00	7.09	136.75
10,650.0	7.68	335.19	10,628.4	-388.5	-351.4	-366.7	12.00	10.31	56.54
10,675.0	10.48	342.04	10,653.0	-384.8	-352.8	-362.9	12.00	11.21	27.42
10,700.0	13.37	346.00	10,677.5	-379.8	-354.2	-357.9	12.00	11.55	15.82
10,725.0	16.30	348.56	10,701.7	-373.6	-355.6	-351.6	12.00	11.71	10.25
10,750.0	19.25	350.36	10,725.5	-366.1	-357.0	-344.0	12.00	11.80	7.19
10,775.0	22.21	351.69	10,748.8	-357.3	-358.4	-335.2	12.00	11.85	5.34
10,800.0	25.18	352.73	10,771.7	-347.4	-359.7	-325.2	12.00	11.88	4.13
10,825.0	28.16	353.55	10,794.1	-336.2	-361.1	-314.0	12.00	11.91	3.31
10,850.0	31.14	354.23	10,815.8	-323.9	-362.4	-301.6	12.00	11.92	2.72
10,875.0	34.12	354.81	10,836.8	-310.5	-363.7	-288.2	12.00	11.94	2.29
10,900.0	37.11	355.30	10,857.2	-296.0	-364.9	-273.6	12.00	11.95	1.96
10,925.0	40.10	355.73	10,876.7	-280.5	-366.1	-258.0	12.00	11.95	1.71
10,950.0	43.09	356.10	10,895.4	-263.9	-367.3	-241.4	12.00	11.96	1.51
10,975.0	46.08	356.44	10,913.2	-246.4	-368.5	-223.9	12.00	11.96	1.35
11,000.0	49.07	356.75	10,930.1	-228.0	-369.6	-205.4	12.00	11.97	1.22
11,025.0	52.06	357.03	10,945.9	-208.7	-370.6	-186.1	12.00	11.97	1.12
11,050.0	55.05	357.28	10,960.8	-188.6	-371.6	-166.0	12.00	11.97	1.03
11,075.0	58.05	357.52	10,974.6	-167.8	-372.5	-145.2	12.00	11.97	0.96
11,100.0	61.04	357.75	10,987.2	-146.3	-373.4	-123.6	12.00	11.98	0.90
11,125.0	64.04	357.96	10,998.8	-124.1	-374.3	-101.4	12.00	11.98	0.85
11,150.0	67.03	358.16	11,009.1	-101.3	-375.0	-78.7	12.00	11.98	0.80
11,153.1	67.40	358.18	11,010.3	-98.5	-375.1	-75.8	12.00	11.98	0.78
FTP (Nervosa 24 St Com #504H)									
11,175.0	70.02	358.35	11,018.3	-78.1	-375.7	-55.4	12.00	11.98	0.77
11,200.0	73.02	358.53	11,026.2	-54.4	-376.4	-31.7	12.00	11.98	0.74
11,225.0	76.01	358.71	11,032.9	-30.3	-377.0	-7.7	12.00	11.98	0.72
11,250.0	79.01	358.89	11,038.3	-5.9	-377.5	16.7	12.00	11.98	0.70
11,275.0	82.01	359.06	11,042.4	18.7	-377.9	41.4	12.00	11.98	0.68
11,300.0	85.00	359.23	11,045.2	43.6	-378.3	66.2	12.00	11.98	0.67
11,325.0	88.00	359.39	11,046.8	68.5	-378.6	91.1	12.00	11.98	0.67
11,348.4	90.80	359.55	11,047.0	91.9	-378.8	114.5	12.00	11.98	0.67
11,400.0	90.80	359.55	11,046.3	143.5	-379.2	166.0	0.00	0.00	0.00
11,500.0	90.80	359.55	11,044.9	243.5	-380.0	265.8	0.00	0.00	0.00
11,600.0	90.80	359.55	11,043.5	343.5	-380.8	365.7	0.00	0.00	0.00
11,700.0	90.80	359.55	11,042.1	443.5	-381.6	465.5	0.00	0.00	0.00
11,800.0	90.80	359.55	11,040.7	543.5	-382.4	565.4	0.00	0.00	0.00
11,900.0	90.80	359.55	11,039.3	643.4	-383.1	665.2	0.00	0.00	0.00
12,000.0	90.80	359.55	11,037.9	743.4	-383.9	765.1	0.00	0.00	0.00
12,100.0	90.80	359.55	11,036.5	843.4	-384.7	865.0	0.00	0.00	0.00
12,200.0	90.80	359.55	11,035.1	943.4	-385.5	964.8	0.00	0.00	0.00
12,300.0	90.80	359.55	11,033.7	1,043.4	-386.3	1,064.7	0.00	0.00	0.00
12,400.0	90.80	359.55	11,032.3	1,143.4	-387.1	1,164.5	0.00	0.00	0.00
12,500.0	90.80	359.55	11,030.9	1,243.4	-387.9	1,264.4	0.00	0.00	0.00
12,600.0	90.80	359.55	11,029.5	1,343.4	-388.6	1,364.2	0.00	0.00	0.00
12,700.0	90.80	359.55	11,028.1	1,443.3	-389.4	1,464.1	0.00	0.00	0.00
12,800.0	90.80	359.55	11,026.7	1,543.3	-390.2	1,563.9	0.00	0.00	0.00
12,900.0	90.80	359.55	11,025.3	1,643.3	-391.0	1,663.8	0.00	0.00	0.00
13,000.0	90.80	359.55	11,023.9	1,743.3	-391.8	1,763.6	0.00	0.00	0.00
13,100.0	90.80	359.55	11,022.5	1,843.3	-392.6	1,863.5	0.00	0.00	0.00
13,200.0	90.80	359.55	11,021.1	1,943.3	-393.4	1,963.4	0.00	0.00	0.00



EOG Resources, Inc.

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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	90.80	359.55	11,019.8	2,043.3	-394.1	2,063.2	0.00	0.00	0.00
13,400.0	90.80	359.55	11,018.4	2,143.3	-394.9	2,163.1	0.00	0.00	0.00
13,500.0	90.80	359.55	11,017.0	2,243.2	-395.7	2,262.9	0.00	0.00	0.00
13,600.0	90.80	359.55	11,015.6	2,343.2	-396.5	2,362.8	0.00	0.00	0.00
13,700.0	90.80	359.55	11,014.2	2,443.2	-397.3	2,462.6	0.00	0.00	0.00
13,800.0	90.80	359.55	11,012.8	2,543.2	-398.1	2,562.5	0.00	0.00	0.00
13,900.0	90.80	359.55	11,011.4	2,643.2	-398.8	2,662.3	0.00	0.00	0.00
14,000.0	90.80	359.55	11,010.0	2,743.2	-399.6	2,762.2	0.00	0.00	0.00
14,100.0	90.80	359.55	11,008.6	2,843.2	-400.4	2,862.0	0.00	0.00	0.00
14,200.0	90.80	359.55	11,007.2	2,943.1	-401.2	2,961.9	0.00	0.00	0.00
14,300.0	90.80	359.55	11,005.8	3,043.1	-402.0	3,061.8	0.00	0.00	0.00
14,400.0	90.80	359.55	11,004.4	3,143.1	-402.8	3,161.6	0.00	0.00	0.00
14,500.0	90.80	359.55	11,003.0	3,243.1	-403.6	3,261.5	0.00	0.00	0.00
14,600.0	90.80	359.55	11,001.6	3,343.1	-404.3	3,361.3	0.00	0.00	0.00
14,700.0	90.80	359.55	11,000.2	3,443.1	-405.1	3,461.2	0.00	0.00	0.00
14,800.0	90.80	359.55	10,998.8	3,543.1	-405.9	3,561.0	0.00	0.00	0.00
14,900.0	90.80	359.55	10,997.4	3,643.1	-406.7	3,660.9	0.00	0.00	0.00
15,000.0	90.80	359.55	10,996.0	3,743.0	-407.5	3,760.7	0.00	0.00	0.00
15,100.0	90.80	359.55	10,994.6	3,843.0	-408.3	3,860.6	0.00	0.00	0.00
15,200.0	90.80	359.55	10,993.2	3,943.0	-409.1	3,960.4	0.00	0.00	0.00
15,300.0	90.80	359.55	10,991.8	4,043.0	-409.8	4,060.3	0.00	0.00	0.00
15,400.0	90.80	359.55	10,990.4	4,143.0	-410.6	4,160.2	0.00	0.00	0.00
15,500.0	90.80	359.55	10,989.0	4,243.0	-411.4	4,260.0	0.00	0.00	0.00
15,600.0	90.80	359.55	10,987.6	4,343.0	-412.2	4,359.9	0.00	0.00	0.00
15,700.0	90.80	359.55	10,986.2	4,443.0	-413.0	4,459.7	0.00	0.00	0.00
15,800.0	90.80	359.55	10,984.8	4,542.9	-413.8	4,559.6	0.00	0.00	0.00
15,900.0	90.80	359.55	10,983.4	4,642.9	-414.6	4,659.4	0.00	0.00	0.00
16,000.0	90.80	359.55	10,982.1	4,742.9	-415.3	4,759.3	0.00	0.00	0.00
16,100.0	90.80	359.55	10,980.7	4,842.9	-416.1	4,859.1	0.00	0.00	0.00
16,200.0	90.80	359.55	10,979.3	4,942.9	-416.9	4,959.0	0.00	0.00	0.00
16,300.0	90.80	359.55	10,977.9	5,042.9	-417.7	5,058.8	0.00	0.00	0.00
16,400.0	90.80	359.55	10,976.5	5,142.9	-418.5	5,158.7	0.00	0.00	0.00
16,500.0	90.80	359.55	10,975.1	5,242.9	-419.3	5,258.6	0.00	0.00	0.00
16,600.0	90.80	359.55	10,973.7	5,342.8	-420.1	5,358.4	0.00	0.00	0.00
16,700.0	90.80	359.55	10,972.3	5,442.8	-420.8	5,458.3	0.00	0.00	0.00
16,800.0	90.80	359.55	10,970.9	5,542.8	-421.6	5,558.1	0.00	0.00	0.00
16,900.0	90.80	359.55	10,969.5	5,642.8	-422.4	5,658.0	0.00	0.00	0.00
17,000.0	90.80	359.55	10,968.1	5,742.8	-423.2	5,757.8	0.00	0.00	0.00
17,100.0	90.80	359.55	10,966.7	5,842.8	-424.0	5,857.7	0.00	0.00	0.00
17,200.0	90.80	359.55	10,965.3	5,942.8	-424.8	5,957.5	0.00	0.00	0.00
17,300.0	90.80	359.55	10,963.9	6,042.8	-425.5	6,057.4	0.00	0.00	0.00
17,400.0	90.80	359.55	10,962.5	6,142.7	-426.3	6,157.2	0.00	0.00	0.00
17,500.0	90.80	359.55	10,961.1	6,242.7	-427.1	6,257.1	0.00	0.00	0.00
17,600.0	90.80	359.55	10,959.7	6,342.7	-427.9	6,357.0	0.00	0.00	0.00
17,700.0	90.80	359.55	10,958.3	6,442.7	-428.7	6,456.8	0.00	0.00	0.00
17,800.0	90.80	359.55	10,956.9	6,542.7	-429.5	6,556.7	0.00	0.00	0.00
17,900.0	90.80	359.55	10,955.5	6,642.7	-430.3	6,656.5	0.00	0.00	0.00
18,000.0	90.80	359.55	10,954.1	6,742.7	-431.0	6,756.4	0.00	0.00	0.00
18,100.0	90.80	359.55	10,952.7	6,842.6	-431.8	6,856.2	0.00	0.00	0.00
18,200.0	90.80	359.55	10,951.3	6,942.6	-432.6	6,956.1	0.00	0.00	0.00
18,300.0	90.80	359.55	10,949.9	7,042.6	-433.4	7,055.9	0.00	0.00	0.00
18,400.0	90.80	359.55	10,948.5	7,142.6	-434.2	7,155.8	0.00	0.00	0.00
18,503.4	90.80	359.55	10,947.1	7,246.0	-435.0	7,259.0	0.00	0.00	0.00

PBHL (Nervosa 24 St Com #504H)



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Site: Nervosa 24 State Cor
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Wellbore: OH
Design: Plan #0.1

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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)
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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	0.01	10,947.1	7,246.0	-435.0	541,207.00	749,009.00	32.48529826	-103.52579391
FTP (Nervosa 24 St Cor - plan misses target center by 39.5usft at 11153.1usft MD (11010.3 TVD, -98.5 N, -375.1 E) - Point	0.00	0.00	11,047.0	-113.0	-378.0	533,848.00	749,066.00	32.46507005	-103.52578967