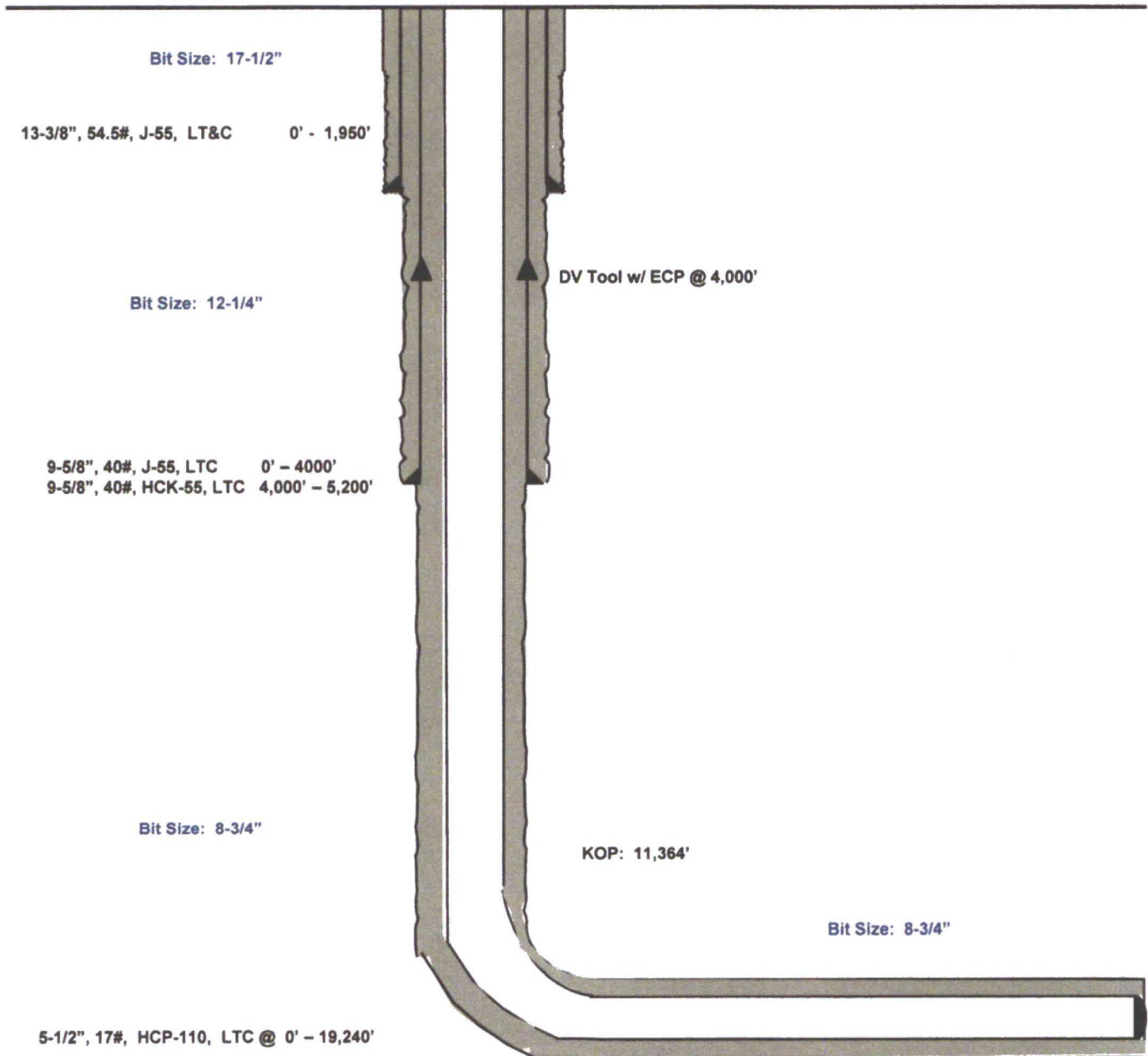


Nervosa 24 State Com #601H

**2394' FNL
469' FEL
Section 24
T-21-S, R-33-E**

**Lea County, New Mexico
Proposed Wellbore
Revised 4/13/17
API: 30-025-43600**

**KB: 3,789'
GL: 3,764'**



Lateral: 19,240' MD, 11,815' TVD

**BH Location: 230' FNL & 330' FEL
Section 13
T-21-S, R-33-E**



Lea County, NM (NAD 83 NME)

Nervosa 24 State Com #601H

H&P 653

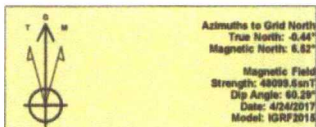
Plan #1

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: #601H

Ground Level: 3764.0
KB = 28 @ 3769.0 (H&P 653)
Northing: 533840.00 Easting: 792474.00 Latitude: 32° 27' 53.643 N Longitude: 103° 31' 8.617 W



To convert a Magnetic Direction to a Grid Direction, Add 0.52°
To convert a Magnetic Direction to a True Direction, Add 0.96° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

SECTION DETAILS

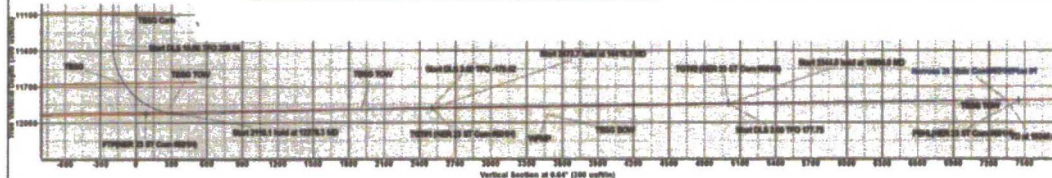
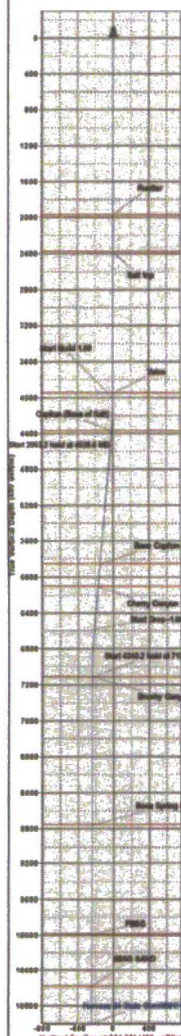
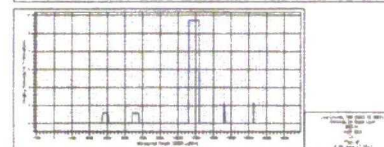
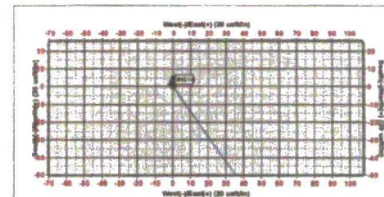
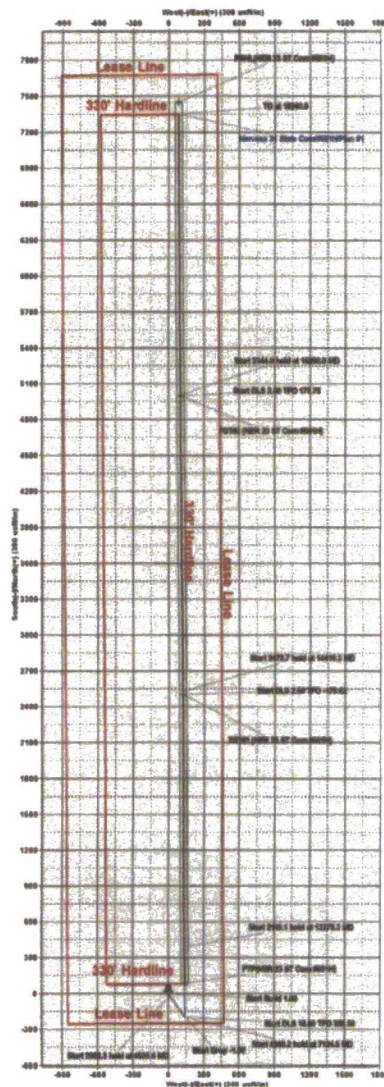
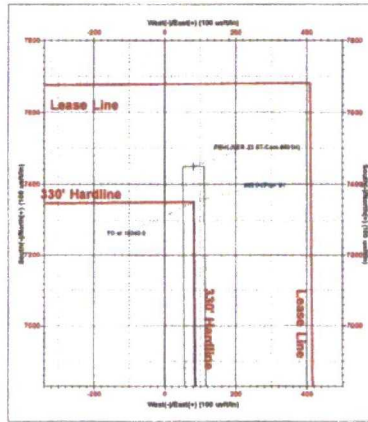
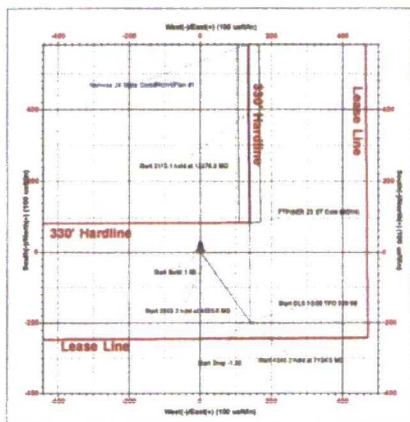
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSecl	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	4000.0	0.00	0.00	4000.0	0.0	0.0	0.00	0.00	0.0	
3	4535.6	5.36	144.60	4534.8	-20.4	14.5	1.00	144.60	-20.2	
4	6588.9	5.36	144.60	6579.2	-178.6	125.5	0.00	0.00	-175.2	
5	7124.5	0.00	0.00	7114.0	-197.0	140.0	1.00	180.00	-195.5	
6	11364.7	0.00	0.00	11354.2	-197.0	140.0	0.00	0.00	-195.5	
7	12278.3	91.36	359.56	11927.0	389.5	135.5	10.00	359.56	391.0	TGT#1 (NER 23 ST Com #601H)
8	14386.4	91.36	359.56	11877.0	2498.9	119.3	0.00	0.00	2500.1	TGT#2 (NER 23 ST Com #601H)
9	14416.3	90.80	359.56	11876.5	2526.8	119.1	2.00	-179.62	2526.0	
10	16889.0	90.80	359.56	11842.0	4999.2	100.0	0.00	0.00	5000.0	
11	16896.0	90.66	359.56	11841.9	5006.3	99.9	2.00	177.75	5007.1	
12	19240.0	90.66	359.56	11815.0	7350.0	82.0	0.00	0.00	7350.5	PBHL (NER 23 ST Com #601H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (NER 23 ST Com #601H)	11815.0	7400.0	81.0	541380.00	791880.00
TGT#1 (NER 23 ST Com #601H)	11842.0	4999.2	100.0	538859.20	792873.96
TGT#2 (NER 23 ST Com #601H)	11877.0	5086.9	119.3	536336.36	792993.51
PTWY (NER 23 ST Com #601H)	11927.0	54.0	138.0	533924.00	792812.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Nervosa 24 State Com

#601H

73950

OH

Plan: Plan #1

Standard Planning Report

12 April, 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: Nervosa 24 State Com
Well: #601H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #601H
TVD Reference: KB = 25 @ 3789.0usft (H&P 653)
MD Reference: KB = 25 @ 3789.0usft (H&P 653)
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	Nervosa 24 State Com			
Site Position:		Northing:	533,840.00 usft	Latitude: 32° 27' 53.843 N
From:	Map	Easting:	792,474.00 usft	Longitude: 103° 31' 8.617 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.44 °

Well	#601H			
Well Position	+N/-S	0.0 usft	Northing: 533,840.00 usft	Latitude: 32° 27' 53.843 N
	+E/-W	0.0 usft	Easting: 792,474.00 usft	Longitude: 103° 31' 8.617 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,764.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	4/24/2017	6.96	60.29	48,100

Design	Plan #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	0.64

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)	TPO (°)	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	
4,535.6	5.36	144.60	4,534.8	-20.4	14.5	1.00	1.00	0.00	144.60	
6,588.9	5.36	144.60	6,579.2	-176.6	125.5	0.00	0.00	0.00	0.00	
7,124.5	0.00	0.00	7,114.0	-197.0	140.0	1.00	-1.00	0.00	180.00	
11,364.7	0.00	0.00	11,354.2	-197.0	140.0	0.00	0.00	0.00	0.00	
12,278.3	91.36	359.56	11,927.0	389.5	135.5	10.00	10.00	-0.05	359.56	
14,388.4	91.36	359.56	11,877.0	2,498.9	119.3	0.00	0.00	0.00	0.00	TGT#1 (NER 23 ST C
14,416.3	90.80	359.56	11,876.5	2,526.8	119.1	2.00	-2.00	-0.01	-179.62	
16,889.0	90.80	359.56	11,842.0	4,999.2	100.0	0.00	0.00	0.00	0.00	TGT#2 (NER 23 ST C
16,896.0	90.66	359.56	11,841.9	5,006.3	99.9	2.00	-2.00	0.08	177.75	
19,240.0	90.66	359.56	11,815.0	7,350.0	82.0	0.00	0.00	0.00	0.00	PBHL(NER 23 ST Co



EOG Resources, Inc. Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Nervosa 24 State Corn
Well: #601H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #601H
TVD Reference: KB = 25 @ 3789.0usft (H&P 653)
MD Reference: KB = 25 @ 3789.0usft (H&P 653)
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
1,974.0	0.00	0.00	1,974.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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
2,384.0	0.00	0.00	2,384.0	0.0	0.0	0.0	0.00	0.00	0.00
Salt top									
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
3,954.0	0.00	0.00	3,954.0	0.0	0.0	0.0	0.00	0.00	0.00
Yates									
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	144.60	4,100.0	-0.7	0.5	-0.7	1.00	1.00	0.00
4,200.0	2.00	144.60	4,200.0	-2.8	2.0	-2.8	1.00	1.00	0.00
4,300.0	3.00	144.60	4,299.9	-6.4	4.5	-6.3	1.00	1.00	0.00
4,374.3	3.74	144.60	4,374.0	-10.0	7.1	-9.9	1.00	1.00	0.00
Capitan (Base of Salt)									
4,400.0	4.00	144.60	4,399.7	-11.4	8.1	-11.3	1.00	1.00	0.00
4,500.0	5.00	144.60	4,499.4	-17.8	12.6	-17.6	1.00	1.00	0.00



EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
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Site: Nervosa 24 State Com
Well: #601H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well #601H

KB = 25 @ 3789.0usft (H&P 653)

KB = 25 @ 3789.0usft (H&P 653)

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)
4,535.6	5.36	144.60	4,534.8	-20.4	14.5	-20.2	1.00	1.00	0.00
4,600.0	5.36	144.60	4,598.9	-25.3	18.0	-25.1	0.00	0.00	0.00
4,700.0	5.36	144.60	4,698.5	-32.9	23.4	-32.6	0.00	0.00	0.00
4,800.0	5.36	144.60	4,798.1	-40.5	28.8	-40.2	0.00	0.00	0.00
4,900.0	5.36	144.60	4,897.6	-48.1	34.2	-47.7	0.00	0.00	0.00
5,000.0	5.36	144.60	4,997.2	-55.7	39.6	-55.3	0.00	0.00	0.00
5,100.0	5.36	144.60	5,096.8	-63.3	45.0	-62.8	0.00	0.00	0.00
5,200.0	5.36	144.60	5,196.3	-70.9	50.4	-70.4	0.00	0.00	0.00
5,300.0	5.36	144.60	5,295.9	-78.6	55.8	-77.9	0.00	0.00	0.00
5,400.0	5.36	144.60	5,395.4	-86.2	61.2	-85.5	0.00	0.00	0.00
5,500.0	5.36	144.60	5,495.0	-93.8	66.6	-93.0	0.00	0.00	0.00
5,600.0	5.36	144.60	5,594.6	-101.4	72.0	-100.6	0.00	0.00	0.00
5,700.0	5.36	144.60	5,694.1	-109.0	77.4	-108.1	0.00	0.00	0.00
5,800.0	5.36	144.60	5,793.7	-116.6	82.9	-115.7	0.00	0.00	0.00
5,865.6	5.36	144.60	5,859.0	-121.6	86.4	-120.6	0.00	0.00	0.00
Base Capitan									
5,900.0	5.36	144.60	5,893.3	-124.2	88.3	-123.2	0.00	0.00	0.00
6,000.0	5.36	144.60	5,992.8	-131.8	93.7	-130.8	0.00	0.00	0.00
6,100.0	5.36	144.60	6,092.4	-139.4	99.1	-138.3	0.00	0.00	0.00
6,116.7	5.36	144.60	6,109.0	-140.7	100.0	-139.6	0.00	0.00	0.00
Cherry Canyon									
6,200.0	5.36	144.60	6,192.0	-147.0	104.5	-145.9	0.00	0.00	0.00
6,300.0	5.36	144.60	6,291.5	-154.6	109.9	-153.4	0.00	0.00	0.00
6,400.0	5.36	144.60	6,391.1	-162.3	115.3	-161.0	0.00	0.00	0.00
6,500.0	5.36	144.60	6,490.6	-169.9	120.7	-168.5	0.00	0.00	0.00
6,588.9	5.36	144.60	6,579.2	-176.6	125.5	-175.2	0.00	0.00	0.00
6,600.0	5.25	144.60	6,590.2	-177.5	126.1	-176.1	1.00	-1.00	0.00
6,700.0	4.25	144.60	6,689.9	-184.2	130.9	-182.7	1.00	-1.00	0.00
6,800.0	3.25	144.60	6,789.6	-189.5	134.7	-188.0	1.00	-1.00	0.00
6,900.0	2.25	144.60	6,889.5	-193.4	137.5	-191.9	1.00	-1.00	0.00
7,000.0	1.25	144.60	6,989.5	-195.9	139.2	-194.4	1.00	-1.00	0.00
7,100.0	0.25	144.60	7,089.5	-197.0	140.0	-195.4	1.00	-1.00	0.00
7,124.5	0.00	0.00	7,114.0	-197.0	140.0	-195.5	1.00	-1.00	0.00
Brushy Canyon									
7,200.0	0.00	0.00	7,189.5	-197.0	140.0	-195.5	0.00	0.00	0.00
7,300.0	0.00	0.00	7,289.5	-197.0	140.0	-195.5	0.00	0.00	0.00
7,400.0	0.00	0.00	7,389.5	-197.0	140.0	-195.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,489.5	-197.0	140.0	-195.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,589.5	-197.0	140.0	-195.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,689.5	-197.0	140.0	-195.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,789.5	-197.0	140.0	-195.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,889.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,989.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,100.0	0.00	0.00	8,089.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,189.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,289.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,389.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,489.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,589.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,689.5	-197.0	140.0	-195.5	0.00	0.00	0.00
8,774.5	0.00	0.00	8,764.0	-197.0	140.0	-195.5	0.00	0.00	0.00
Bone Spring Lime									
8,800.0	0.00	0.00	8,789.5	-197.0	140.0	-195.5	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: Nervosa 24 State Corn
Well: #601H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #601H
TVD Reference: KB = 25 @ 3789.0usft (H&P 653)
MD Reference: KB = 25 @ 3789.0usft (H&P 653)
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)
8,900.0	0.00	0.00	8,889.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,989.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,100.0	0.00	0.00	9,089.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,200.0	0.00	0.00	9,189.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,300.0	0.00	0.00	9,289.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,389.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,500.0	0.00	0.00	9,489.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,600.0	0.00	0.00	9,589.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,700.0	0.00	0.00	9,689.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,800.0	0.00	0.00	9,789.5	-197.0	140.0	-195.5	0.00	0.00	0.00
9,900.0	0.00	0.00	9,889.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,000.0	0.00	0.00	9,989.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,004.5	0.00	0.00	9,994.0	-197.0	140.0	-195.5	0.00	0.00	0.00
FBSG									
10,100.0	0.00	0.00	10,089.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,200.0	0.00	0.00	10,189.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,300.0	0.00	0.00	10,289.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,400.0	0.00	0.00	10,389.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,500.0	0.00	0.00	10,489.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,584.5	0.00	0.00	10,584.0	-197.0	140.0	-195.5	0.00	0.00	0.00
SBSG SAND									
10,600.0	0.00	0.00	10,589.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,700.0	0.00	0.00	10,689.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,800.0	0.00	0.00	10,789.5	-197.0	140.0	-195.5	0.00	0.00	0.00
10,900.0	0.00	0.00	10,889.5	-197.0	140.0	-195.5	0.00	0.00	0.00
11,000.0	0.00	0.00	10,989.5	-197.0	140.0	-195.5	0.00	0.00	0.00
11,099.5	0.00	0.00	11,089.0	-197.0	140.0	-195.5	0.00	0.00	0.00
TBSG Carb									
11,100.0	0.00	0.00	11,089.5	-197.0	140.0	-195.5	0.00	0.00	0.00
11,200.0	0.00	0.00	11,189.5	-197.0	140.0	-195.5	0.00	0.00	0.00
11,300.0	0.00	0.00	11,289.5	-197.0	140.0	-195.5	0.00	0.00	0.00
11,364.7	0.00	0.00	11,354.2	-197.0	140.0	-195.5	0.00	0.00	0.00
11,400.0	3.53	359.56	11,389.5	-195.9	140.0	-194.4	10.00	10.00	0.00
11,450.0	8.53	359.56	11,439.2	-190.7	140.0	-189.1	10.00	10.00	0.00
11,500.0	13.53	359.56	11,488.2	-181.1	139.9	-179.6	10.00	10.00	0.00
11,550.0	18.53	359.56	11,536.3	-167.3	139.8	-165.8	10.00	10.00	0.00
11,600.0	23.53	359.56	11,582.9	-149.4	139.6	-147.8	10.00	10.00	0.00
11,650.0	28.53	359.56	11,627.8	-127.5	139.5	-125.9	10.00	10.00	0.00
11,700.0	33.53	359.56	11,670.7	-101.7	139.3	-100.1	10.00	10.00	0.00
11,705.7	34.10	359.56	11,675.4	-98.5	139.2	-97.0	10.00	10.00	0.00
TBSG									
11,750.0	38.53	359.56	11,711.1	-72.3	139.0	-70.7	10.00	10.00	0.00
11,800.0	43.53	359.56	11,748.8	-39.5	138.8	-37.9	10.00	10.00	0.00
11,850.0	48.53	359.56	11,783.5	-3.5	138.5	-2.0	10.00	10.00	0.00
11,900.0	53.53	359.56	11,814.9	35.3	138.2	36.9	10.00	10.00	0.00
11,950.0	58.53	359.56	11,842.9	78.8	137.9	78.3	10.00	10.00	0.00
11,997.1	63.24	359.56	11,865.8	117.9	137.6	119.4	10.00	10.00	0.00
FTP(NER 23 ST Corn #601H)									
12,000.0	63.53	359.56	11,867.1	120.5	137.6	122.0	10.00	10.00	0.00
12,050.0	68.53	359.56	11,887.4	166.2	137.2	167.7	10.00	10.00	0.00
12,100.0	73.53	359.56	11,903.6	213.5	136.9	215.0	10.00	10.00	0.00
12,143.5	77.88	359.56	11,914.4	255.6	136.5	257.1	10.00	10.00	0.00
TBSG TOW									



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Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Well #601H

KB = 25 @ 3789.0usft (H&P 653)

KB = 25 @ 3789.0usft (H&P 653)

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)
12,150.0	78.53	359.56	11,915.7	262.0	136.5	263.5	10.00	10.00	0.00
12,200.0	83.53	359.56	11,923.5	311.3	136.1	312.8	10.00	10.00	0.00
12,250.0	88.53	359.56	11,927.0	361.2	135.7	362.7	10.00	10.00	0.00
12,278.3	91.36	359.56	11,927.0	389.5	135.5	391.0	10.00	10.00	0.00
12,300.0	91.36	359.56	11,926.5	411.2	135.3	412.7	0.00	0.00	0.00
12,400.0	91.36	359.56	11,924.1	511.1	134.6	512.6	0.00	0.00	0.00
12,500.0	91.36	359.56	11,921.7	611.1	133.8	612.6	0.00	0.00	0.00
12,600.0	91.36	359.56	11,919.4	711.1	133.0	712.5	0.00	0.00	0.00
12,700.0	91.36	359.56	11,917.0	811.1	132.3	812.5	0.00	0.00	0.00
12,800.0	91.36	359.56	11,914.6	911.0	131.5	912.4	0.00	0.00	0.00
12,900.0	91.36	359.56	11,912.3	1,011.0	130.7	1,012.4	0.00	0.00	0.00
13,000.0	91.36	359.56	11,909.9	1,111.0	130.0	1,112.3	0.00	0.00	0.00
13,100.0	91.36	359.56	11,907.5	1,210.9	129.2	1,212.3	0.00	0.00	0.00
13,200.0	91.36	359.56	11,905.2	1,310.9	128.4	1,312.3	0.00	0.00	0.00
13,300.0	91.36	359.56	11,902.8	1,410.9	127.7	1,412.2	0.00	0.00	0.00
13,400.0	91.36	359.56	11,900.4	1,510.8	126.9	1,512.2	0.00	0.00	0.00
13,500.0	91.36	359.56	11,898.0	1,610.8	126.1	1,612.1	0.00	0.00	0.00
13,600.0	91.36	359.56	11,895.7	1,710.8	125.4	1,712.1	0.00	0.00	0.00
13,700.0	91.36	359.56	11,893.3	1,810.7	124.6	1,812.0	0.00	0.00	0.00
13,800.0	91.36	359.56	11,890.9	1,910.7	123.8	1,912.0	0.00	0.00	0.00
13,900.0	91.36	359.56	11,888.6	2,010.7	123.1	2,011.9	0.00	0.00	0.00
14,000.0	91.36	359.56	11,886.2	2,110.7	122.3	2,111.9	0.00	0.00	0.00
14,100.0	91.36	359.56	11,883.8	2,210.6	121.5	2,211.8	0.00	0.00	0.00
14,200.0	91.36	359.56	11,881.5	2,310.6	120.8	2,311.8	0.00	0.00	0.00
14,300.0	91.36	359.56	11,879.1	2,410.6	120.0	2,411.7	0.00	0.00	0.00
14,388.4	91.36	359.56	11,877.0	2,498.9	119.3	2,500.1	0.00	0.00	0.00
TGT#1 (NER 23 ST Com #601H)									
14,400.0	91.13	359.56	11,876.7	2,510.5	119.2	2,511.7	2.00	-2.00	-0.01
14,416.3	90.80	359.56	11,876.5	2,526.8	119.1	2,528.0	2.00	-2.00	-0.01
14,500.0	90.80	359.56	11,875.3	2,610.5	118.5	2,611.7	0.00	0.00	0.00
14,600.0	90.80	359.56	11,873.9	2,710.5	117.7	2,711.6	0.00	0.00	0.00
14,700.0	90.80	359.56	11,872.5	2,810.5	116.9	2,811.6	0.00	0.00	0.00
14,800.0	90.80	359.56	11,871.1	2,910.5	116.1	2,911.6	0.00	0.00	0.00
14,900.0	90.80	359.56	11,869.7	3,010.5	115.4	3,011.6	0.00	0.00	0.00
15,000.0	90.80	359.56	11,868.3	3,110.5	114.6	3,111.5	0.00	0.00	0.00
15,100.0	90.80	359.56	11,866.9	3,210.4	113.8	3,211.5	0.00	0.00	0.00
15,200.0	90.80	359.56	11,865.5	3,310.4	113.0	3,311.5	0.00	0.00	0.00
15,300.0	90.80	359.56	11,864.2	3,410.4	112.3	3,411.5	0.00	0.00	0.00
15,400.0	90.80	359.56	11,862.8	3,510.4	111.5	3,511.4	0.00	0.00	0.00
15,500.0	90.80	359.56	11,861.4	3,610.4	110.7	3,611.4	0.00	0.00	0.00
15,600.0	90.80	359.56	11,860.0	3,710.4	109.9	3,711.4	0.00	0.00	0.00
15,700.0	90.80	359.56	11,858.6	3,810.4	109.2	3,811.3	0.00	0.00	0.00
15,800.0	90.80	359.56	11,857.2	3,910.4	108.4	3,911.3	0.00	0.00	0.00
15,900.0	90.80	359.56	11,855.8	4,010.3	107.6	4,011.3	0.00	0.00	0.00
16,000.0	90.80	359.56	11,854.4	4,110.3	106.8	4,111.3	0.00	0.00	0.00
16,100.0	90.80	359.56	11,853.0	4,210.3	106.1	4,211.2	0.00	0.00	0.00
16,200.0	90.80	359.56	11,851.6	4,310.3	105.3	4,311.2	0.00	0.00	0.00
16,300.0	90.80	359.56	11,850.2	4,410.3	104.5	4,411.2	0.00	0.00	0.00
16,400.0	90.80	359.56	11,848.8	4,510.3	103.7	4,511.2	0.00	0.00	0.00
16,500.0	90.80	359.56	11,847.4	4,610.3	103.0	4,611.1	0.00	0.00	0.00
16,600.0	90.80	359.56	11,846.0	4,710.2	102.2	4,711.1	0.00	0.00	0.00
16,700.0	90.80	359.56	11,844.6	4,810.2	101.4	4,811.1	0.00	0.00	0.00
16,800.0	90.80	359.56	11,843.2	4,910.2	100.7	4,911.0	0.00	0.00	0.00
16,889.0	90.80	359.56	11,842.0	4,999.2	100.0	5,000.0	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: Nervosa 24 State Com
Well: #601H
Wellbore: OH
Design: Plan #1

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

Well #601H
KB = 25 @ 3789.0usft (H&P 653)
KB = 25 @ 3789.0usft (H&P 653)
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)
TGT#2 (NER 23 ST Com #601H)									
16,896.0	90.66	359.56	11,841.9	5,006.3	99.9	5,007.1	2.00	-2.00	0.08
16,900.0	90.66	359.56	11,841.9	5,010.2	99.9	5,011.0	0.00	0.00	0.00
17,000.0	90.66	359.56	11,840.7	5,110.2	99.1	5,111.0	0.00	0.00	0.00
17,100.0	90.66	359.56	11,839.6	5,210.2	98.4	5,211.0	0.00	0.00	0.00
17,200.0	90.66	359.56	11,838.4	5,310.2	97.6	5,310.9	0.00	0.00	0.00
17,300.0	90.66	359.56	11,837.3	5,410.2	96.8	5,410.9	0.00	0.00	0.00
17,400.0	90.66	359.56	11,836.1	5,510.2	96.1	5,510.9	0.00	0.00	0.00
17,500.0	90.66	359.56	11,835.0	5,610.2	95.3	5,610.9	0.00	0.00	0.00
17,600.0	90.66	359.56	11,833.8	5,710.1	94.5	5,710.8	0.00	0.00	0.00
17,700.0	90.66	359.56	11,832.7	5,810.1	93.8	5,810.8	0.00	0.00	0.00
17,800.0	90.66	359.56	11,831.5	5,910.1	93.0	5,910.8	0.00	0.00	0.00
17,900.0	90.66	359.56	11,830.4	6,010.1	92.2	6,010.8	0.00	0.00	0.00
18,000.0	90.66	359.56	11,829.2	6,110.1	91.5	6,110.7	0.00	0.00	0.00
18,100.0	90.66	359.56	11,828.1	6,210.1	90.7	6,210.7	0.00	0.00	0.00
18,200.0	90.66	359.56	11,826.9	6,310.1	89.9	6,310.7	0.00	0.00	0.00
18,300.0	90.66	359.56	11,825.8	6,410.1	89.2	6,410.7	0.00	0.00	0.00
18,400.0	90.66	359.56	11,824.6	6,510.1	88.4	6,510.7	0.00	0.00	0.00
18,500.0	90.66	359.56	11,823.5	6,610.1	87.7	6,610.6	0.00	0.00	0.00
18,600.0	90.66	359.56	11,822.3	6,710.0	86.9	6,710.6	0.00	0.00	0.00
18,700.0	90.66	359.56	11,821.2	6,810.0	86.1	6,810.6	0.00	0.00	0.00
18,800.0	90.66	359.56	11,820.1	6,910.0	85.4	6,910.6	0.00	0.00	0.00
18,900.0	90.66	359.56	11,818.9	7,010.0	84.6	7,010.5	0.00	0.00	0.00
19,000.0	90.66	359.56	11,817.8	7,110.0	83.8	7,110.5	0.00	0.00	0.00
19,100.0	90.66	359.56	11,816.6	7,210.0	83.1	7,210.5	0.00	0.00	0.00
19,200.0	90.66	359.56	11,815.5	7,310.0	82.3	7,310.5	0.00	0.00	0.00
19,240.0	90.66	359.56	11,815.0	7,350.0	82.0	7,350.5	0.00	0.00	0.00
PBHL(NER 23 ST Com #601H)									

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(NER 23 ST Com : - plan misses target center by 100.0usft at 19240.0usft MD (11815.0 TVD, 7350.0 N, 82.0 E) - Rectangle (sides W60.0 H0.0 D7,365.0)	90.00	359.55	11,815.0	7,450.0	81.0	541,290.00	792,555.00	32° 29' 7.552 N	103° 31' 7.007 W
TGT#2 (NER 23 ST Con - plan hits target center - Point	0.00	0.00	11,842.0	4,999.2	100.0	538,839.20	792,573.96	32° 28' 43.301 N	103° 31' 7.004 W
TGT#1 (NER 23 ST Con - plan hits target center - Point	0.00	0.00	11,877.0	2,498.9	119.3	536,338.90	792,593.31	32° 28' 18.560 N	103° 31' 7.001 W
FTP(NER 23 ST Com # - plan misses target center by 70.0usft at 11997.1usft MD (11865.8 TVD, 117.9 N, 137.6 E) - Point	0.00	0.00	11,927.0	84.0	138.0	533,924.00	792,612.00	32° 27' 54.664 N	103° 31' 6.998 W



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Wellbore: OH
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TVD Reference: KB = 25 @ 3789.0usft (H&P 653)
MD Reference: KB = 25 @ 3789.0usft (H&P 653)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (")	Dip Direction (")
1,974.0	1,974.0	Rustler			
2,384.0	2,384.0	Salt top			
3,954.0	3,954.0	Yates			
4,374.3	4,374.0	Capitan (Base of Salt)			
5,865.6	5,859.0	Base Capitan			
6,116.7	6,109.0	Cherry Canyon			
7,124.5	7,114.0	Brushy Canyon			
8,774.5	8,764.0	Bone Spring Lime			
10,004.5	9,994.0	FBSG			
10,594.5	10,584.0	SBSG SAND			
11,099.5	11,089.0	TBSG Carb			
11,705.7	11,675.4	TBSG		-0.81	
12,143.5	11,914.4	TBSG TOW		-0.81	