

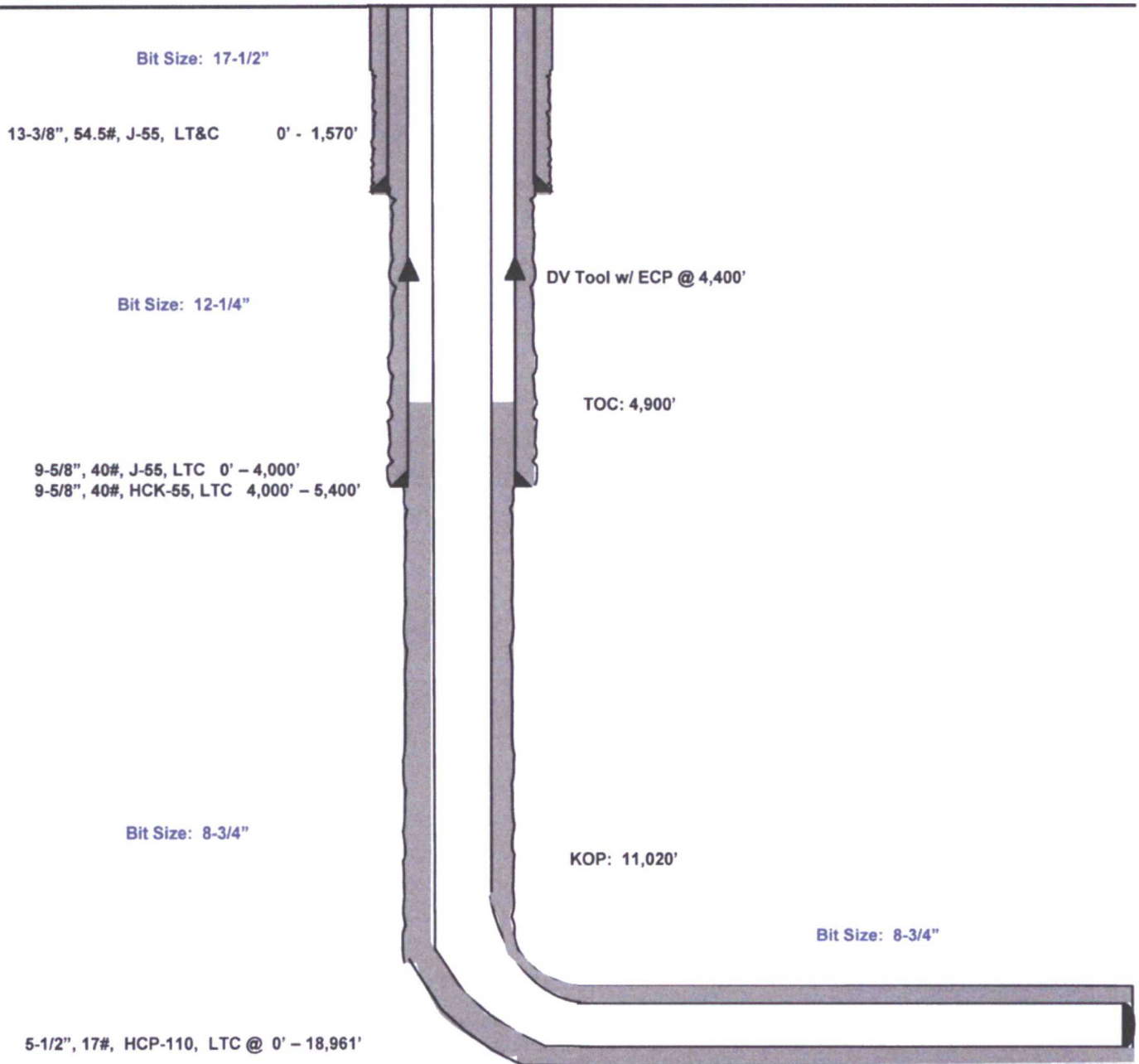
Hunter 21 State Com #606H

550' FNL
1132' FEL
Section 21
T-23-S, R-35-E

Lea County, New Mexico
Proposed Wellbore

API: 30-025-*****

KB: 3,465'
GL: 3,440'



Lateral: 18,961' MD, 11,512' TVD

BH Location: 2410' FNL & 1078' FEL
Section 28
T-23-S, R-35-E



Lea County, NM (NAD 83 NME)

Hunter 21 State Com #606H

Plan #0.1

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: #606H

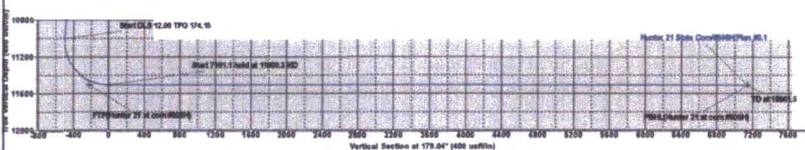
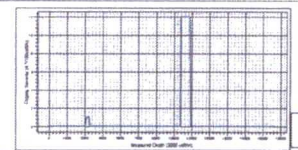
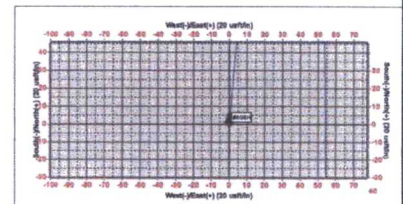
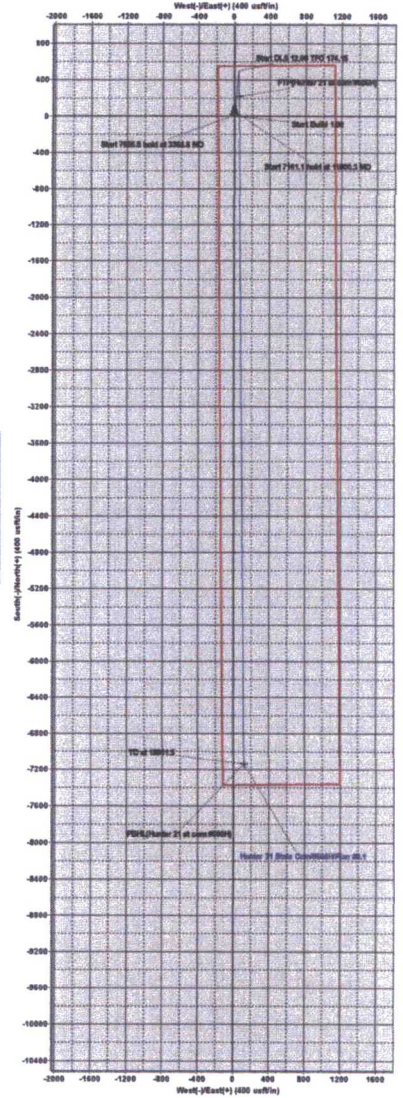
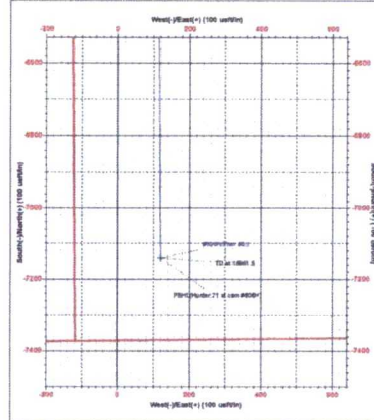
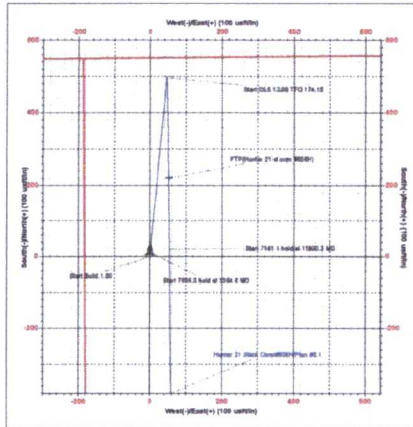
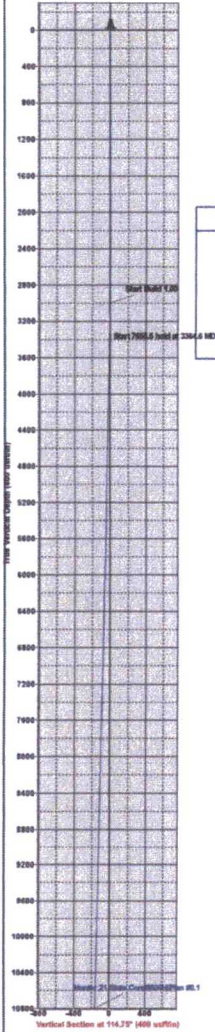
Kb = 25 @ 3485.0usft 3440.0
Northing 472714.00 Easting 839716.00 Latitude 32° 17' 45.136 N Longitude 103° 22' 3.687 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSecl
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0
3364.6	3.65	5.31	3364.4	11.5	1.1	1.00	5.31	-11.5
11020.1	3.65	5.31	11004.3	496.3	46.2	0.00	0.00	-495.5
11800.3	90.00	179.47	11512.0	19.8	53.8	12.00	174.15	-18.9
18961.5	90.00	179.47	11512.0	-7141.0	120.0	0.00	0.00	7142.0

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
FTT(Hunter 21 st com #606H)	11512.0	225.0	62.0	472934.00	839782.00
PBH(L Hunter 21 st com #606H)	11512.0	-7141.0	120.0	468673.00	838836.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Hunter 21 State Com

#606H

OH

Plan: Plan #0.1

Standard Planning Report

12 December, 2017



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hunter 21 State Com
Well: #606H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #606H
TVD Reference: Kb = 25 @ 3465.0usft
MD Reference: Kb = 25 @ 3465.0usft
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 Hunter 21 State Com
Site Position: Northing: 473,030.00 usft Latitude: 32° 17' 48.570 N
From: Map Easting: 836,252.00 usft Longitude: 103° 22' 44.008 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 " Grid Convergence: 0.51 °

Well #606H
Well Position +N/-S -316.0 usft Northing: 472,714.00 usft Latitude: 32° 17' 45.136 N
+E/-W 3,464.0 usft Easting: 839,716.00 usft Longitude: 103° 22' 3.687 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** Ground Level: 3,440.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/12/2017	6.81	60.15	47,951.84605866

Design Plan #0.1

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 0.0 179.04

Plan Survey Tool Program Date 12/12/2017

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,961.5 Plan #0.1 (OH)	MWD	
			MWD - Standard	

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	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,364.6	3.65	5.31	3,364.4	11.5	1.1	1.00	1.00	0.00	5.31	
11,020.1	3.65	5.31	11,004.3	496.3	46.2	0.00	0.00	0.00	0.00	
11,800.3	90.00	179.47	11,512.0	19.8	53.8	12.00	11.07	22.32	174.15	
18,961.5	90.00	179.47	11,512.0	-7,141.0	120.0	0.00	0.00	0.00	0.00	PBHL(Hunter 21 st co



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hunter 21 State Com
Well: #606H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #606H
TVD Reference: Kb = 25 @ 3465.0usft
MD Reference: Kb = 25 @ 3465.0usft
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	1.00	5.31	3,100.0	0.9	0.1	-0.9	1.00	1.00	0.00
3,200.0	2.00	5.31	3,200.0	3.5	0.3	-3.5	1.00	1.00	0.00
3,300.0	3.00	5.31	3,299.9	7.8	0.7	-7.8	1.00	1.00	0.00
3,364.6	3.65	5.31	3,364.4	11.5	1.1	-11.5	1.00	1.00	0.00
3,400.0	3.65	5.31	3,399.7	13.8	1.3	-13.8	0.00	0.00	0.00
3,500.0	3.65	5.31	3,499.5	20.1	1.9	-20.1	0.00	0.00	0.00
3,600.0	3.65	5.31	3,599.3	26.5	2.5	-26.4	0.00	0.00	0.00
3,700.0	3.65	5.31	3,699.1	32.8	3.0	-32.7	0.00	0.00	0.00
3,800.0	3.65	5.31	3,798.9	39.1	3.6	-39.1	0.00	0.00	0.00
3,900.0	3.65	5.31	3,898.7	45.4	4.2	-45.4	0.00	0.00	0.00
4,000.0	3.65	5.31	3,998.5	51.8	4.8	-51.7	0.00	0.00	0.00
4,100.0	3.65	5.31	4,098.3	58.1	5.4	-58.0	0.00	0.00	0.00
4,200.0	3.65	5.31	4,198.1	64.4	6.0	-64.3	0.00	0.00	0.00
4,300.0	3.65	5.31	4,297.9	70.8	6.6	-70.7	0.00	0.00	0.00
4,400.0	3.65	5.31	4,397.7	77.1	7.2	-77.0	0.00	0.00	0.00
4,500.0	3.65	5.31	4,497.5	83.4	7.8	-83.3	0.00	0.00	0.00
4,600.0	3.65	5.31	4,597.3	89.8	8.3	-89.6	0.00	0.00	0.00
4,700.0	3.65	5.31	4,697.1	96.1	8.9	-95.9	0.00	0.00	0.00
4,800.0	3.65	5.31	4,796.8	102.4	9.5	-102.3	0.00	0.00	0.00
4,900.0	3.65	5.31	4,896.6	108.8	10.1	-108.6	0.00	0.00	0.00
5,000.0	3.65	5.31	4,996.4	115.1	10.7	-114.9	0.00	0.00	0.00
5,100.0	3.65	5.31	5,096.2	121.4	11.3	-121.2	0.00	0.00	0.00
5,200.0	3.65	5.31	5,196.0	127.8	11.9	-127.5	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hunter 21 State Com
Well: #606H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #606H
TVD Reference: Kb = 25 @ 3465.0usft
MD Reference: Kb = 25 @ 3465.0usft
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	3.65	5.31	5,295.8	134.1	12.5	-133.9	0.00	0.00	0.00
5,400.0	3.65	5.31	5,395.6	140.4	13.1	-140.2	0.00	0.00	0.00
5,500.0	3.65	5.31	5,495.4	146.8	13.6	-146.5	0.00	0.00	0.00
5,600.0	3.65	5.31	5,595.2	153.1	14.2	-152.8	0.00	0.00	0.00
5,700.0	3.65	5.31	5,695.0	159.4	14.8	-159.2	0.00	0.00	0.00
5,800.0	3.65	5.31	5,794.8	165.8	15.4	-165.5	0.00	0.00	0.00
5,900.0	3.65	5.31	5,894.6	172.1	16.0	-171.8	0.00	0.00	0.00
6,000.0	3.65	5.31	5,994.4	178.4	16.6	-178.1	0.00	0.00	0.00
6,100.0	3.65	5.31	6,094.2	184.8	17.2	-184.4	0.00	0.00	0.00
6,200.0	3.65	5.31	6,194.0	191.1	17.8	-190.8	0.00	0.00	0.00
6,300.0	3.65	5.31	6,293.8	197.4	18.4	-197.1	0.00	0.00	0.00
6,400.0	3.65	5.31	6,393.6	203.8	18.9	-203.4	0.00	0.00	0.00
6,500.0	3.65	5.31	6,493.4	210.1	19.5	-209.7	0.00	0.00	0.00
6,600.0	3.65	5.31	6,593.2	216.4	20.1	-216.0	0.00	0.00	0.00
6,700.0	3.65	5.31	6,693.0	222.7	20.7	-222.4	0.00	0.00	0.00
6,800.0	3.65	5.31	6,792.8	229.1	21.3	-228.7	0.00	0.00	0.00
6,900.0	3.65	5.31	6,892.6	235.4	21.9	-235.0	0.00	0.00	0.00
7,000.0	3.65	5.31	6,992.4	241.7	22.5	-241.3	0.00	0.00	0.00
7,100.0	3.65	5.31	7,092.2	248.1	23.1	-247.7	0.00	0.00	0.00
7,200.0	3.65	5.31	7,192.0	254.4	23.7	-254.0	0.00	0.00	0.00
7,300.0	3.65	5.31	7,291.8	260.7	24.2	-260.3	0.00	0.00	0.00
7,400.0	3.65	5.31	7,391.6	267.1	24.8	-266.6	0.00	0.00	0.00
7,500.0	3.65	5.31	7,491.4	273.4	25.4	-272.9	0.00	0.00	0.00
7,600.0	3.65	5.31	7,591.2	279.7	26.0	-279.3	0.00	0.00	0.00
7,700.0	3.65	5.31	7,691.0	286.1	26.6	-285.6	0.00	0.00	0.00
7,800.0	3.65	5.31	7,790.8	292.4	27.2	-291.9	0.00	0.00	0.00
7,900.0	3.65	5.31	7,890.6	298.7	27.8	-298.2	0.00	0.00	0.00
8,000.0	3.65	5.31	7,990.4	305.1	28.4	-304.5	0.00	0.00	0.00
8,100.0	3.65	5.31	8,090.2	311.4	29.0	-310.9	0.00	0.00	0.00
8,200.0	3.65	5.31	8,190.0	317.7	29.5	-317.2	0.00	0.00	0.00
8,300.0	3.65	5.31	8,289.8	324.1	30.1	-323.5	0.00	0.00	0.00
8,400.0	3.65	5.31	8,389.6	330.4	30.7	-329.8	0.00	0.00	0.00
8,500.0	3.65	5.31	8,489.4	336.7	31.3	-336.2	0.00	0.00	0.00
8,600.0	3.65	5.31	8,589.2	343.1	31.9	-342.5	0.00	0.00	0.00
8,700.0	3.65	5.31	8,689.0	349.4	32.5	-348.8	0.00	0.00	0.00
8,800.0	3.65	5.31	8,788.8	355.7	33.1	-355.1	0.00	0.00	0.00
8,900.0	3.65	5.31	8,888.5	362.1	33.7	-361.4	0.00	0.00	0.00
9,000.0	3.65	5.31	8,988.3	368.4	34.3	-367.8	0.00	0.00	0.00
9,100.0	3.65	5.31	9,088.1	374.7	34.8	-374.1	0.00	0.00	0.00
9,200.0	3.65	5.31	9,187.9	381.1	35.4	-380.4	0.00	0.00	0.00
9,300.0	3.65	5.31	9,287.7	387.4	36.0	-386.7	0.00	0.00	0.00
9,400.0	3.65	5.31	9,387.5	393.7	36.6	-393.0	0.00	0.00	0.00
9,500.0	3.65	5.31	9,487.3	400.0	37.2	-399.4	0.00	0.00	0.00
9,600.0	3.65	5.31	9,587.1	406.4	37.8	-405.7	0.00	0.00	0.00
9,700.0	3.65	5.31	9,686.9	412.7	38.4	-412.0	0.00	0.00	0.00
9,800.0	3.65	5.31	9,786.7	419.0	39.0	-418.3	0.00	0.00	0.00
9,900.0	3.65	5.31	9,886.5	425.4	39.6	-424.7	0.00	0.00	0.00
10,000.0	3.65	5.31	9,986.3	431.7	40.1	-431.0	0.00	0.00	0.00
10,100.0	3.65	5.31	10,086.1	438.0	40.7	-437.3	0.00	0.00	0.00
10,200.0	3.65	5.31	10,185.9	444.4	41.3	-443.6	0.00	0.00	0.00
10,300.0	3.65	5.31	10,285.7	450.7	41.9	-449.9	0.00	0.00	0.00
10,400.0	3.65	5.31	10,385.5	457.0	42.5	-456.3	0.00	0.00	0.00
10,500.0	3.65	5.31	10,485.3	463.4	43.1	-462.6	0.00	0.00	0.00
10,600.0	3.65	5.31	10,585.1	469.7	43.7	-468.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hunter 21 State Com
Well: #606H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #606H
TVD Reference: Kb = 25 @ 3465.0usft
MD Reference: Kb = 25 @ 3465.0usft
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)
10,700.0	3.65	5.31	10,684.9	476.0	44.3	-475.2	0.00	0.00	0.00
10,800.0	3.65	5.31	10,784.7	482.4	44.9	-481.5	0.00	0.00	0.00
10,900.0	3.65	5.31	10,884.5	488.7	45.4	-487.9	0.00	0.00	0.00
11,000.0	3.65	5.31	10,984.3	495.0	46.0	-494.2	0.00	0.00	0.00
11,020.1	3.65	5.31	11,004.3	496.3	46.2	-495.5	0.00	0.00	0.00
11,025.0	3.06	6.44	11,009.2	496.6	46.2	-495.7	12.00	-11.93	22.93
11,050.0	0.37	83.79	11,034.2	497.3	46.3	-496.4	12.00	-10.74	309.39
11,075.0	2.99	172.33	11,059.2	496.6	46.5	-495.8	12.00	10.45	354.16
11,100.0	5.97	175.92	11,084.1	494.7	46.7	-493.8	12.00	11.95	14.36
11,125.0	8.97	177.12	11,108.9	491.4	46.9	-490.6	12.00	11.98	4.79
11,150.0	11.97	177.72	11,133.5	486.9	47.1	-486.0	12.00	11.99	2.41
11,175.0	14.97	178.08	11,157.8	481.1	47.3	-480.2	12.00	12.00	1.45
11,200.0	17.97	178.32	11,181.8	474.0	47.5	-473.1	12.00	12.00	0.98
11,225.0	20.97	178.50	11,205.4	465.7	47.7	-464.8	12.00	12.00	0.70
11,250.0	23.97	178.63	11,228.5	456.1	48.0	-455.2	12.00	12.00	0.54
11,275.0	26.97	178.74	11,251.0	445.4	48.2	-444.5	12.00	12.00	0.42
11,300.0	29.97	178.83	11,273.0	433.5	48.5	-432.6	12.00	12.00	0.34
11,325.0	32.96	178.90	11,294.3	420.4	48.7	-419.5	12.00	12.00	0.29
11,350.0	35.96	178.96	11,314.9	406.3	49.0	-405.4	12.00	12.00	0.24
11,375.0	38.96	179.01	11,334.8	391.1	49.3	-390.2	12.00	12.00	0.21
11,400.0	41.96	179.06	11,353.8	374.9	49.5	-374.0	12.00	12.00	0.19
11,425.0	44.96	179.10	11,371.9	357.7	49.8	-356.8	12.00	12.00	0.16
11,450.0	47.96	179.14	11,389.2	339.5	50.1	-338.6	12.00	12.00	0.15
11,475.0	50.96	179.17	11,405.4	320.5	50.4	-319.7	12.00	12.00	0.13
11,500.0	53.96	179.20	11,420.6	300.7	50.7	-299.8	12.00	12.00	0.12
11,525.0	56.96	179.23	11,434.8	280.1	50.9	-279.2	12.00	12.00	0.11
11,550.0	59.96	179.26	11,447.9	258.8	51.2	-257.9	12.00	12.00	0.11
11,575.0	62.96	179.28	11,459.8	236.9	51.5	-236.0	12.00	12.00	0.10
11,600.0	65.96	179.30	11,470.6	214.3	51.8	-213.4	12.00	12.00	0.10
11,610.6	67.24	179.31	11,474.8	204.6	51.9	-203.7	12.00	12.00	0.09
FTP(Hunter 21 st com #606H)									
11,625.0	68.96	179.33	11,480.2	191.2	52.1	-190.3	12.00	12.00	0.09
11,650.0	71.96	179.35	11,488.5	167.7	52.3	-166.8	12.00	12.00	0.09
11,675.0	74.96	179.37	11,495.7	143.7	52.6	-142.8	12.00	12.00	0.08
11,700.0	77.96	179.39	11,501.5	119.4	52.9	-118.5	12.00	12.00	0.08
11,725.0	80.96	179.41	11,506.1	94.8	53.1	-93.9	12.00	12.00	0.08
11,750.0	83.96	179.43	11,509.4	70.1	53.4	-69.2	12.00	12.00	0.08
11,775.0	86.96	179.45	11,511.3	45.1	53.6	-44.2	12.00	12.00	0.08
11,800.3	90.00	179.47	11,512.0	19.8	53.8	-18.9	12.00	12.00	0.08
11,900.0	90.00	179.47	11,512.0	-79.8	54.8	80.8	0.00	0.00	0.00
12,000.0	90.00	179.47	11,512.0	-179.8	55.7	180.7	0.00	0.00	0.00
12,100.0	90.00	179.47	11,512.0	-279.8	56.6	280.7	0.00	0.00	0.00
12,200.0	90.00	179.47	11,512.0	-379.8	57.5	380.7	0.00	0.00	0.00
12,300.0	90.00	179.47	11,512.0	-479.8	58.5	480.7	0.00	0.00	0.00
12,400.0	90.00	179.47	11,512.0	-579.8	59.4	580.7	0.00	0.00	0.00
12,500.0	90.00	179.47	11,512.0	-679.8	60.3	680.7	0.00	0.00	0.00
12,600.0	90.00	179.47	11,512.0	-779.8	61.2	780.7	0.00	0.00	0.00
12,700.0	90.00	179.47	11,512.0	-879.8	62.2	880.7	0.00	0.00	0.00
12,800.0	90.00	179.47	11,512.0	-979.8	63.1	980.7	0.00	0.00	0.00
12,900.0	90.00	179.47	11,512.0	-1,079.8	64.0	1,080.7	0.00	0.00	0.00
13,000.0	90.00	179.47	11,512.0	-1,179.8	64.9	1,180.7	0.00	0.00	0.00
13,100.0	90.00	179.47	11,512.0	-1,279.8	65.9	1,280.7	0.00	0.00	0.00
13,200.0	90.00	179.47	11,512.0	-1,379.8	66.8	1,380.7	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hunter 21 State Com
Well: #606H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #606H
TVD Reference: Kb = 25 @ 3465.0usft
MD Reference: Kb = 25 @ 3465.0usft
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)
13,300.0	90.00	179.47	11,512.0	-1,479.8	67.7	1,480.7	0.00	0.00	0.00
13,400.0	90.00	179.47	11,512.0	-1,579.8	68.6	1,580.7	0.00	0.00	0.00
13,500.0	90.00	179.47	11,512.0	-1,679.8	69.5	1,680.7	0.00	0.00	0.00
13,600.0	90.00	179.47	11,512.0	-1,779.8	70.5	1,780.7	0.00	0.00	0.00
13,700.0	90.00	179.47	11,512.0	-1,879.8	71.4	1,880.7	0.00	0.00	0.00
13,800.0	90.00	179.47	11,512.0	-1,979.8	72.3	1,980.7	0.00	0.00	0.00
13,900.0	90.00	179.47	11,512.0	-2,079.8	73.2	2,080.7	0.00	0.00	0.00
14,000.0	90.00	179.47	11,512.0	-2,179.8	74.2	2,180.7	0.00	0.00	0.00
14,100.0	90.00	179.47	11,512.0	-2,279.7	75.1	2,280.7	0.00	0.00	0.00
14,200.0	90.00	179.47	11,512.0	-2,379.7	76.0	2,380.7	0.00	0.00	0.00
14,300.0	90.00	179.47	11,512.0	-2,479.7	76.9	2,480.7	0.00	0.00	0.00
14,400.0	90.00	179.47	11,512.0	-2,579.7	77.9	2,580.7	0.00	0.00	0.00
14,500.0	90.00	179.47	11,512.0	-2,679.7	78.8	2,680.7	0.00	0.00	0.00
14,600.0	90.00	179.47	11,512.0	-2,779.7	79.7	2,780.7	0.00	0.00	0.00
14,700.0	90.00	179.47	11,512.0	-2,879.7	80.6	2,880.7	0.00	0.00	0.00
14,800.0	90.00	179.47	11,512.0	-2,979.7	81.6	2,980.7	0.00	0.00	0.00
14,900.0	90.00	179.47	11,512.0	-3,079.7	82.5	3,080.7	0.00	0.00	0.00
15,000.0	90.00	179.47	11,512.0	-3,179.7	83.4	3,180.7	0.00	0.00	0.00
15,100.0	90.00	179.47	11,512.0	-3,279.7	84.3	3,280.7	0.00	0.00	0.00
15,200.0	90.00	179.47	11,512.0	-3,379.7	85.3	3,380.7	0.00	0.00	0.00
15,300.0	90.00	179.47	11,512.0	-3,479.7	86.2	3,480.7	0.00	0.00	0.00
15,400.0	90.00	179.47	11,512.0	-3,579.7	87.1	3,580.7	0.00	0.00	0.00
15,500.0	90.00	179.47	11,512.0	-3,679.7	88.0	3,680.6	0.00	0.00	0.00
15,600.0	90.00	179.47	11,512.0	-3,779.7	88.9	3,780.6	0.00	0.00	0.00
15,700.0	90.00	179.47	11,512.0	-3,879.7	89.9	3,880.6	0.00	0.00	0.00
15,800.0	90.00	179.47	11,512.0	-3,979.7	90.8	3,980.6	0.00	0.00	0.00
15,900.0	90.00	179.47	11,512.0	-4,079.7	91.7	4,080.6	0.00	0.00	0.00
16,000.0	90.00	179.47	11,512.0	-4,179.7	92.6	4,180.6	0.00	0.00	0.00
16,100.0	90.00	179.47	11,512.0	-4,279.7	93.6	4,280.6	0.00	0.00	0.00
16,200.0	90.00	179.47	11,512.0	-4,379.7	94.5	4,380.6	0.00	0.00	0.00
16,300.0	90.00	179.47	11,512.0	-4,479.7	95.4	4,480.6	0.00	0.00	0.00
16,400.0	90.00	179.47	11,512.0	-4,579.7	96.3	4,580.6	0.00	0.00	0.00
16,500.0	90.00	179.47	11,512.0	-4,679.6	97.3	4,680.6	0.00	0.00	0.00
16,600.0	90.00	179.47	11,512.0	-4,779.6	98.2	4,780.6	0.00	0.00	0.00
16,700.0	90.00	179.47	11,512.0	-4,879.6	99.1	4,880.6	0.00	0.00	0.00
16,800.0	90.00	179.47	11,512.0	-4,979.6	100.0	4,980.6	0.00	0.00	0.00
16,900.0	90.00	179.47	11,512.0	-5,079.6	101.0	5,080.6	0.00	0.00	0.00
17,000.0	90.00	179.47	11,512.0	-5,179.6	101.9	5,180.6	0.00	0.00	0.00
17,100.0	90.00	179.47	11,512.0	-5,279.6	102.8	5,280.6	0.00	0.00	0.00
17,200.0	90.00	179.47	11,512.0	-5,379.6	103.7	5,380.6	0.00	0.00	0.00
17,300.0	90.00	179.47	11,512.0	-5,479.6	104.7	5,480.6	0.00	0.00	0.00
17,400.0	90.00	179.47	11,512.0	-5,579.6	105.6	5,580.6	0.00	0.00	0.00
17,500.0	90.00	179.47	11,512.0	-5,679.6	106.5	5,680.6	0.00	0.00	0.00
17,600.0	90.00	179.47	11,512.0	-5,779.6	107.4	5,780.6	0.00	0.00	0.00
17,700.0	90.00	179.47	11,512.0	-5,879.6	108.3	5,880.6	0.00	0.00	0.00
17,800.0	90.00	179.47	11,512.0	-5,979.6	109.3	5,980.6	0.00	0.00	0.00
17,900.0	90.00	179.47	11,512.0	-6,079.6	110.2	6,080.6	0.00	0.00	0.00
18,000.0	90.00	179.47	11,512.0	-6,179.6	111.1	6,180.6	0.00	0.00	0.00
18,100.0	90.00	179.47	11,512.0	-6,279.6	112.0	6,280.6	0.00	0.00	0.00
18,200.0	90.00	179.47	11,512.0	-6,379.6	113.0	6,380.6	0.00	0.00	0.00
18,300.0	90.00	179.47	11,512.0	-6,479.6	113.9	6,480.6	0.00	0.00	0.00
18,400.0	90.00	179.47	11,512.0	-6,579.6	114.8	6,580.6	0.00	0.00	0.00
18,500.0	90.00	179.47	11,512.0	-6,679.6	115.7	6,680.6	0.00	0.00	0.00
18,600.0	90.00	179.47	11,512.0	-6,779.6	116.7	6,780.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Hunter 21 State Com
Well: #606H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #606H
TVD Reference: Kb = 25 @ 3465.0usft
MD Reference: Kb = 25 @ 3465.0usft
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)
18,700.0	90.00	179.47	11,512.0	-6,879.6	117.6	6,880.6	0.00	0.00	0.00
18,800.0	90.00	179.47	11,512.0	-6,979.5	118.5	6,980.6	0.00	0.00	0.00
18,900.0	90.00	179.47	11,512.0	-7,079.5	119.4	7,080.6	0.00	0.00	0.00
18,961.5	90.00	179.47	11,512.0	-7,141.0	120.0	7,142.0	0.00	0.00	0.00

PBHL(Hunter 21 st com #606H)

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(Hunter 21 st com # - plan misses target center by 40.3usft at 11610.6usft MD (11474.8 TVD, 204.6 N, 51.9 E) - Point	0.00	0.00	11,512.0	220.0	52.0	472,934.00	839,768.00	32° 17' 47.308 N	103° 22' 3.059 W
PBHL(Hunter 21 st com - plan hits target center - Point	0.00	0.00	11,512.0	-7,141.0	120.0	465,573.00	839,836.00	32° 16' 34.468 N	103° 22' 3.039 W