

LEADS OCD
FEB 10 2018
RECEIVED



Lea County, NM (NAD 83 NME)

Convoy 28 State Com #602H

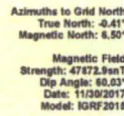
Plan #0.1

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: #602H

KB = 25 @ 3550.0usft
Northing 435285.00 Easting 776647.00 Latitude 32° 11' 39.796 N Longitude 103° 34' 21.510 W



Azimuths to Grid North
True North: -0.41°
Magnetic North: 6.50°
Magnetic Field
Strength: 47872.9usT
Dip Angle: 60.33°
Date: 11/30/2017
Model: IGRF2015

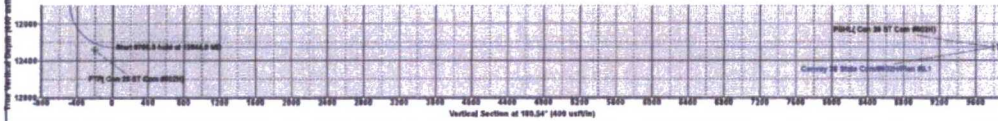
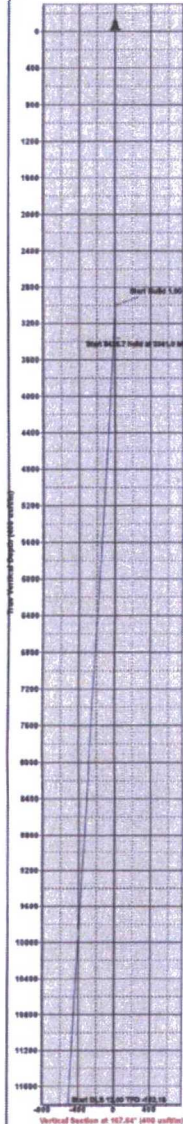
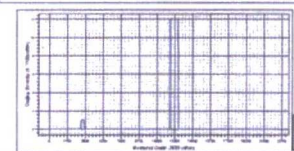
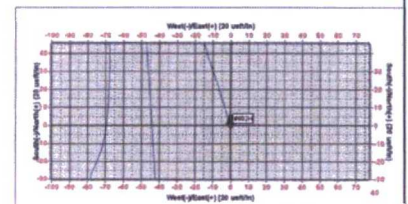
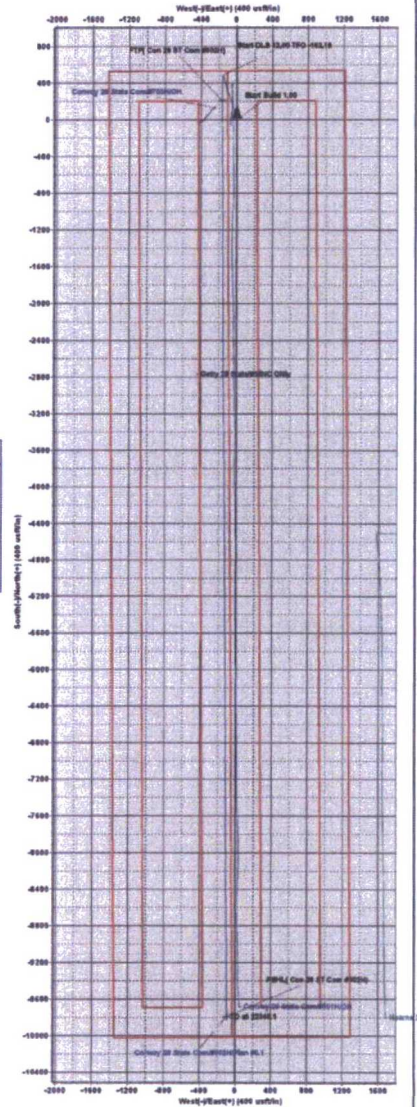
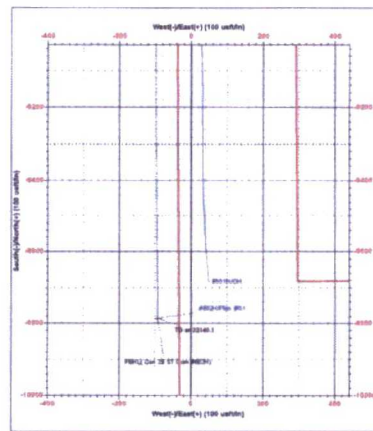
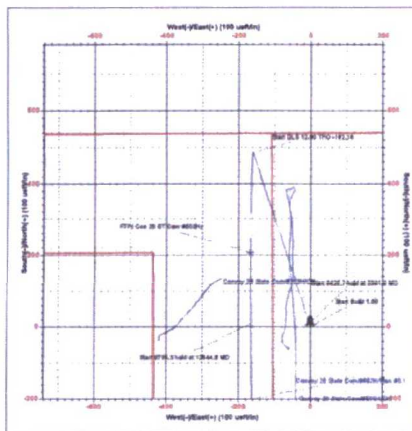
To convert a Magnetic Direction to a Grid Direction, Add 6.50°
To convert a Magnetic Direction to a True Direction, Add 6.90° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

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	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3341.0	3.41	341.78	3340.8	9.6	-3.2	1.00	341.78	-9.6	
4	11767.7	3.41	341.78	11752.6	485.8	-159.9	0.00	0.00	-484.2	
5	12544.8	90.00	179.58	12257.0	9.0	-165.5	12.00	-162.18	-7.5	
6	22340.1	90.00	179.58	12257.0	-9786.0	-93.0	0.00	0.00	9786.4	PBHL(Con 28 ST Com #602H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
PBHL(Con 28 ST Com #602H)	12257.0	-9786.0	-93.0	435482.00	776684.00
FTPL(Con 28 ST Com #602H)	12286.0	-9786.0	-167.0	435482.00	776480.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Convoy 28 State Com

#602H

OH

Plan: Plan #0.1

Standard Planning Report

15 February, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #602H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3550.0usft
MD Reference: KB = 25 @ 3550.0usft
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	Convoy 28 State Com				
Site Position:		Northing:	435,221.00 usft	Latitude:	32° 11' 39.126 N
From:	Map	Easting:	777,172.00 usft	Longitude:	103° 34' 21.510 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.41 °

Well	#602H				
Well Position	+N/-S	64.0 usft	Northing:	435,285.00 usft	Latitude: 32° 11' 39.796 N
	+E/-W	-525.0 usft	Easting:	776,647.00 usft	Longitude: 103° 34' 21.510 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,525.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/30/2017	6.90	60.03	47,872.93289773

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	180.54

Plan Survey Tool Program	Date	2/15/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,340.1 Plan #0.1 (OH)	MWD	
			OWSG 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	
3,341.0	3.41	341.78	3,340.8	9.6	-3.2	1.00	1.00	0.00	341.78	
11,767.7	3.41	341.78	11,752.6	485.8	-159.9	0.00	0.00	0.00	0.00	
12,544.8	90.00	179.58	12,257.0	9.0	-165.5	12.00	11.14	-20.87	-162.18	
22,340.1	90.00	179.58	12,257.0	-9,786.0	-93.0	0.00	0.00	0.00	0.00	PBHL(Con 28 ST Co



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #802H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #802H
TVD Reference: KB = 25 @ 3550.0usft
MD Reference: KB = 25 @ 3550.0usft
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	341.78	3,100.0	0.8	-0.3	-0.8	1.00	1.00	0.00
3,200.0	2.00	341.78	3,200.0	3.3	-1.1	-3.3	1.00	1.00	0.00
3,300.0	3.00	341.78	3,299.9	7.5	-2.5	-7.4	1.00	1.00	0.00
3,341.0	3.41	341.78	3,340.8	9.6	-3.2	-9.6	1.00	1.00	0.00
3,400.0	3.41	341.78	3,399.7	13.0	-4.3	-12.9	0.00	0.00	0.00
3,500.0	3.41	341.78	3,499.5	18.6	-6.1	-18.6	0.00	0.00	0.00
3,600.0	3.41	341.78	3,599.3	24.3	-8.0	-24.2	0.00	0.00	0.00
3,700.0	3.41	341.78	3,699.2	29.9	-9.8	-29.8	0.00	0.00	0.00
3,800.0	3.41	341.78	3,799.0	35.6	-11.7	-35.5	0.00	0.00	0.00
3,900.0	3.41	341.78	3,898.8	41.2	-13.6	-41.1	0.00	0.00	0.00
4,000.0	3.41	341.78	3,998.6	46.9	-15.4	-46.7	0.00	0.00	0.00
4,100.0	3.41	341.78	4,098.5	52.5	-17.3	-52.4	0.00	0.00	0.00
4,200.0	3.41	341.78	4,198.3	58.2	-19.1	-58.0	0.00	0.00	0.00
4,300.0	3.41	341.78	4,298.1	63.8	-21.0	-63.6	0.00	0.00	0.00
4,400.0	3.41	341.78	4,397.9	69.5	-22.9	-69.3	0.00	0.00	0.00
4,500.0	3.41	341.78	4,497.7	75.1	-24.7	-74.9	0.00	0.00	0.00
4,600.0	3.41	341.78	4,597.6	80.8	-26.6	-80.5	0.00	0.00	0.00
4,700.0	3.41	341.78	4,697.4	86.4	-28.4	-86.2	0.00	0.00	0.00
4,800.0	3.41	341.78	4,797.2	92.1	-30.3	-91.8	0.00	0.00	0.00
4,900.0	3.41	341.78	4,897.0	97.7	-32.2	-97.4	0.00	0.00	0.00
5,000.0	3.41	341.78	4,996.9	103.4	-34.0	-103.0	0.00	0.00	0.00
5,100.0	3.41	341.78	5,096.7	109.0	-35.9	-108.7	0.00	0.00	0.00
5,200.0	3.41	341.78	5,196.5	114.7	-37.7	-114.3	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #602H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3550.0usft
MD Reference: KB = 25 @ 3550.0usft
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	3.41	341.78	5,296.3	120.3	-39.6	-119.9	0.00	0.00	0.00
5,400.0	3.41	341.78	5,396.2	126.0	-41.5	-125.6	0.00	0.00	0.00
5,500.0	3.41	341.78	5,496.0	131.6	-43.3	-131.2	0.00	0.00	0.00
5,600.0	3.41	341.78	5,595.8	137.3	-45.2	-136.8	0.00	0.00	0.00
5,700.0	3.41	341.78	5,695.6	142.9	-47.0	-142.5	0.00	0.00	0.00
5,800.0	3.41	341.78	5,795.4	148.6	-48.9	-148.1	0.00	0.00	0.00
5,900.0	3.41	341.78	5,895.3	154.2	-50.8	-153.7	0.00	0.00	0.00
6,000.0	3.41	341.78	5,995.1	159.9	-52.6	-159.4	0.00	0.00	0.00
6,100.0	3.41	341.78	6,094.9	165.5	-54.5	-165.0	0.00	0.00	0.00
6,200.0	3.41	341.78	6,194.7	171.2	-56.3	-170.6	0.00	0.00	0.00
6,300.0	3.41	341.78	6,294.6	176.8	-58.2	-176.3	0.00	0.00	0.00
6,400.0	3.41	341.78	6,394.4	182.5	-60.1	-181.9	0.00	0.00	0.00
6,500.0	3.41	341.78	6,494.2	188.1	-61.9	-187.5	0.00	0.00	0.00
6,600.0	3.41	341.78	6,594.0	193.8	-63.8	-193.2	0.00	0.00	0.00
6,700.0	3.41	341.78	6,693.9	199.4	-65.6	-198.8	0.00	0.00	0.00
6,800.0	3.41	341.78	6,793.7	205.1	-67.5	-204.4	0.00	0.00	0.00
6,900.0	3.41	341.78	6,893.5	210.7	-69.4	-210.1	0.00	0.00	0.00
7,000.0	3.41	341.78	6,993.3	216.4	-71.2	-215.7	0.00	0.00	0.00
7,100.0	3.41	341.78	7,093.1	222.0	-73.1	-221.3	0.00	0.00	0.00
7,200.0	3.41	341.78	7,193.0	227.7	-74.9	-227.0	0.00	0.00	0.00
7,300.0	3.41	341.78	7,292.8	233.3	-76.8	-232.6	0.00	0.00	0.00
7,400.0	3.41	341.78	7,392.6	239.0	-78.6	-238.2	0.00	0.00	0.00
7,500.0	3.41	341.78	7,492.4	244.6	-80.5	-243.9	0.00	0.00	0.00
7,600.0	3.41	341.78	7,592.3	250.3	-82.4	-249.5	0.00	0.00	0.00
7,700.0	3.41	341.78	7,692.1	255.9	-84.2	-255.1	0.00	0.00	0.00
7,800.0	3.41	341.78	7,791.9	261.6	-86.1	-260.8	0.00	0.00	0.00
7,900.0	3.41	341.78	7,891.7	267.2	-87.9	-266.4	0.00	0.00	0.00
8,000.0	3.41	341.78	7,991.5	272.9	-89.8	-272.0	0.00	0.00	0.00
8,100.0	3.41	341.78	8,091.4	278.5	-91.7	-277.7	0.00	0.00	0.00
8,200.0	3.41	341.78	8,191.2	284.2	-93.5	-283.3	0.00	0.00	0.00
8,300.0	3.41	341.78	8,291.0	289.8	-95.4	-288.9	0.00	0.00	0.00
8,400.0	3.41	341.78	8,390.8	295.5	-97.2	-294.6	0.00	0.00	0.00
8,500.0	3.41	341.78	8,490.7	301.1	-99.1	-300.2	0.00	0.00	0.00
8,600.0	3.41	341.78	8,590.5	306.8	-101.0	-305.8	0.00	0.00	0.00
8,700.0	3.41	341.78	8,690.3	312.4	-102.8	-311.5	0.00	0.00	0.00
8,800.0	3.41	341.78	8,790.1	318.1	-104.7	-317.1	0.00	0.00	0.00
8,900.0	3.41	341.78	8,890.0	323.7	-106.5	-322.7	0.00	0.00	0.00
9,000.0	3.41	341.78	8,989.8	329.4	-108.4	-328.4	0.00	0.00	0.00
9,100.0	3.41	341.78	9,089.6	335.0	-110.3	-334.0	0.00	0.00	0.00
9,200.0	3.41	341.78	9,189.4	340.7	-112.1	-339.6	0.00	0.00	0.00
9,300.0	3.41	341.78	9,289.2	346.3	-114.0	-345.2	0.00	0.00	0.00
9,400.0	3.41	341.78	9,389.1	352.0	-115.8	-350.9	0.00	0.00	0.00
9,500.0	3.41	341.78	9,488.9	357.6	-117.7	-356.5	0.00	0.00	0.00
9,600.0	3.41	341.78	9,588.7	363.3	-119.6	-362.1	0.00	0.00	0.00
9,700.0	3.41	341.78	9,688.5	368.9	-121.4	-367.8	0.00	0.00	0.00
9,800.0	3.41	341.78	9,788.4	374.6	-123.3	-373.4	0.00	0.00	0.00
9,900.0	3.41	341.78	9,888.2	380.3	-125.1	-379.0	0.00	0.00	0.00
10,000.0	3.41	341.78	9,988.0	385.9	-127.0	-384.7	0.00	0.00	0.00
10,100.0	3.41	341.78	10,087.8	391.6	-128.9	-390.3	0.00	0.00	0.00
10,200.0	3.41	341.78	10,187.7	397.2	-130.7	-395.9	0.00	0.00	0.00
10,300.0	3.41	341.78	10,287.5	402.9	-132.6	-401.6	0.00	0.00	0.00
10,400.0	3.41	341.78	10,387.3	408.5	-134.4	-407.2	0.00	0.00	0.00
10,500.0	3.41	341.78	10,487.1	414.2	-136.3	-412.8	0.00	0.00	0.00
10,600.0	3.41	341.78	10,586.9	419.8	-138.2	-418.5	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #602H
Wellbore: OH
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Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3550.0usft
MD Reference: KB = 25 @ 3550.0usft
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	3.41	341.78	10,686.8	425.5	-140.0	-424.1	0.00	0.00	0.00
10,800.0	3.41	341.78	10,786.6	431.1	-141.9	-429.7	0.00	0.00	0.00
10,900.0	3.41	341.78	10,886.4	436.8	-143.7	-435.4	0.00	0.00	0.00
11,000.0	3.41	341.78	10,986.2	442.4	-145.6	-441.0	0.00	0.00	0.00
11,100.0	3.41	341.78	11,086.1	448.1	-147.4	-446.6	0.00	0.00	0.00
11,200.0	3.41	341.78	11,185.9	453.7	-149.3	-452.3	0.00	0.00	0.00
11,300.0	3.41	341.78	11,285.7	459.4	-151.2	-457.9	0.00	0.00	0.00
11,400.0	3.41	341.78	11,385.5	465.0	-153.0	-463.5	0.00	0.00	0.00
11,500.0	3.41	341.78	11,485.4	470.7	-154.9	-469.2	0.00	0.00	0.00
11,600.0	3.41	341.78	11,585.2	476.3	-156.7	-474.8	0.00	0.00	0.00
11,700.0	3.41	341.78	11,685.0	482.0	-158.6	-480.4	0.00	0.00	0.00
11,767.7	3.41	341.78	11,752.6	485.8	-159.9	-484.2	0.00	0.00	0.00
11,775.0	2.59	335.84	11,759.9	486.1	-160.0	-484.6	12.00	-11.23	-81.41
11,800.0	1.22	238.48	11,784.9	486.5	-160.5	-485.0	12.00	-5.49	-389.45
11,825.0	3.78	195.59	11,809.8	485.6	-160.9	-484.0	12.00	10.23	-171.55
11,850.0	6.71	188.48	11,834.7	483.3	-161.3	-481.8	12.00	11.74	-28.45
11,875.0	9.68	185.70	11,859.5	479.8	-161.8	-478.3	12.00	11.90	-11.11
11,900.0	12.67	184.22	11,884.0	475.0	-162.2	-473.4	12.00	11.95	-5.92
11,925.0	15.66	183.30	11,908.2	468.9	-162.6	-467.3	12.00	11.97	-3.69
11,950.0	18.66	182.67	11,932.1	461.5	-163.0	-459.9	12.00	11.98	-2.53
11,975.0	21.65	182.20	11,955.6	452.9	-163.3	-451.3	12.00	11.98	-1.85
12,000.0	24.65	181.85	11,978.6	443.1	-163.7	-441.5	12.00	11.99	-1.42
12,025.0	27.65	181.57	12,001.0	432.1	-164.0	-430.5	12.00	11.99	-1.13
12,050.0	30.65	181.34	12,022.8	419.9	-164.3	-418.3	12.00	11.99	-0.92
12,075.0	33.64	181.14	12,044.0	406.6	-164.6	-405.0	12.00	11.99	-0.77
12,100.0	36.64	180.98	12,064.4	392.2	-164.9	-390.6	12.00	11.99	-0.66
12,125.0	39.64	180.84	12,084.1	376.8	-165.1	-375.2	12.00	11.99	-0.57
12,150.0	42.64	180.71	12,102.9	360.3	-165.3	-358.8	12.00	12.00	-0.51
12,175.0	45.64	180.60	12,120.9	342.9	-165.5	-341.3	12.00	12.00	-0.45
12,200.0	48.64	180.49	12,137.9	324.6	-165.7	-323.0	12.00	12.00	-0.41
12,225.0	51.64	180.40	12,153.9	305.4	-165.8	-303.8	12.00	12.00	-0.37
12,250.0	54.64	180.32	12,168.9	285.4	-166.0	-283.8	12.00	12.00	-0.34
12,275.0	57.64	180.24	12,182.8	264.7	-166.1	-263.1	12.00	12.00	-0.32
12,300.0	60.63	180.16	12,195.6	243.2	-166.1	-241.6	12.00	12.00	-0.30
12,325.0	63.63	180.09	12,207.3	221.1	-166.2	-219.5	12.00	12.00	-0.28
12,350.0	66.63	180.03	12,217.8	198.4	-166.2	-196.8	12.00	12.00	-0.27
12,375.0	69.63	179.96	12,227.1	175.2	-166.2	-173.6	12.00	12.00	-0.25
12,400.0	72.63	179.90	12,235.2	151.6	-166.2	-150.0	12.00	12.00	-0.24
12,425.0	75.63	179.84	12,242.1	127.5	-166.1	-126.0	12.00	12.00	-0.24
12,450.0	78.63	179.79	12,247.6	103.2	-166.0	-101.6	12.00	12.00	-0.23
12,475.0	81.63	179.73	12,251.9	78.5	-165.9	-77.0	12.00	12.00	-0.23
12,500.0	84.63	179.67	12,254.9	53.7	-165.8	-52.1	12.00	12.00	-0.22
12,525.0	87.63	179.62	12,256.6	28.8	-165.7	-27.2	12.00	12.00	-0.22
12,544.8	90.00	179.58	12,257.0	9.0	-165.5	-7.5	12.00	12.00	-0.22
12,600.0	90.00	179.58	12,257.0	-46.2	-165.1	47.8	0.00	0.00	0.00
12,700.0	90.00	179.58	12,257.0	-146.2	-164.4	147.8	0.00	0.00	0.00
12,800.0	90.00	179.58	12,257.0	-246.2	-163.6	247.7	0.00	0.00	0.00
12,900.0	90.00	179.58	12,257.0	-346.2	-162.9	347.7	0.00	0.00	0.00
13,000.0	90.00	179.58	12,257.0	-446.2	-162.1	447.7	0.00	0.00	0.00
13,100.0	90.00	179.58	12,257.0	-546.2	-161.4	547.7	0.00	0.00	0.00
13,200.0	90.00	179.58	12,257.0	-646.2	-160.7	647.7	0.00	0.00	0.00
13,300.0	90.00	179.58	12,257.0	-746.2	-159.9	747.7	0.00	0.00	0.00
13,400.0	90.00	179.58	12,257.0	-846.2	-159.2	847.7	0.00	0.00	0.00
13,500.0	90.00	179.58	12,257.0	-946.2	-158.4	947.6	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convoy 28 State Com
Well: #602H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #602H
KB = 25 @ 3550.0usft
KB = 25 @ 3550.0usft
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)
13,600.0	90.00	179.58	12,257.0	-1,046.2	-157.7	1,047.6	0.00	0.00	0.00
13,700.0	90.00	179.58	12,257.0	-1,146.2	-157.0	1,147.6	0.00	0.00	0.00
13,800.0	90.00	179.58	12,257.0	-1,246.2	-156.2	1,247.6	0.00	0.00	0.00
13,900.0	90.00	179.58	12,257.0	-1,346.2	-155.5	1,347.6	0.00	0.00	0.00
14,000.0	90.00	179.58	12,257.0	-1,446.2	-154.7	1,447.6	0.00	0.00	0.00
14,100.0	90.00	179.58	12,257.0	-1,546.2	-154.0	1,547.6	0.00	0.00	0.00
14,200.0	90.00	179.58	12,257.0	-1,646.2	-153.3	1,647.5	0.00	0.00	0.00
14,300.0	90.00	179.58	12,257.0	-1,746.2	-152.5	1,747.5	0.00	0.00	0.00
14,400.0	90.00	179.58	12,257.0	-1,846.2	-151.8	1,847.5	0.00	0.00	0.00
14,500.0	90.00	179.58	12,257.0	-1,946.2	-151.0	1,947.5	0.00	0.00	0.00
14,600.0	90.00	179.58	12,257.0	-2,046.2	-150.3	2,047.5	0.00	0.00	0.00
14,700.0	90.00	179.58	12,257.0	-2,146.2	-149.6	2,147.5	0.00	0.00	0.00
14,800.0	90.00	179.58	12,257.0	-2,246.1	-148.8	2,247.5	0.00	0.00	0.00
14,900.0	90.00	179.58	12,257.0	-2,346.1	-148.1	2,347.4	0.00	0.00	0.00
15,000.0	90.00	179.58	12,257.0	-2,446.1	-147.3	2,447.4	0.00	0.00	0.00
15,100.0	90.00	179.58	12,257.0	-2,546.1	-146.6	2,547.4	0.00	0.00	0.00
15,200.0	90.00	179.58	12,257.0	-2,646.1	-145.9	2,647.4	0.00	0.00	0.00
15,300.0	90.00	179.58	12,257.0	-2,746.1	-145.1	2,747.4	0.00	0.00	0.00
15,400.0	90.00	179.58	12,257.0	-2,846.1	-144.4	2,847.4	0.00	0.00	0.00
15,500.0	90.00	179.58	12,257.0	-2,946.1	-143.6	2,947.4	0.00	0.00	0.00
15,600.0	90.00	179.58	12,257.0	-3,046.1	-142.9	3,047.3	0.00	0.00	0.00
15,700.0	90.00	179.58	12,257.0	-3,146.1	-142.2	3,147.3	0.00	0.00	0.00
15,800.0	90.00	179.58	12,257.0	-3,246.1	-141.4	3,247.3	0.00	0.00	0.00
15,900.0	90.00	179.58	12,257.0	-3,346.1	-140.7	3,347.3	0.00	0.00	0.00
16,000.0	90.00	179.58	12,257.0	-3,446.1	-139.9	3,447.3	0.00	0.00	0.00
16,100.0	90.00	179.58	12,257.0	-3,546.1	-139.2	3,547.3	0.00	0.00	0.00
16,200.0	90.00	179.58	12,257.0	-3,646.1	-138.5	3,647.3	0.00	0.00	0.00
16,300.0	90.00	179.58	12,257.0	-3,746.1	-137.7	3,747.2	0.00	0.00	0.00
16,400.0	90.00	179.58	12,257.0	-3,846.1	-137.0	3,847.2	0.00	0.00	0.00
16,500.0	90.00	179.58	12,257.0	-3,946.1	-136.2	3,947.2	0.00	0.00	0.00
16,600.0	90.00	179.58	12,257.0	-4,046.1	-135.5	4,047.2	0.00	0.00	0.00
16,700.0	90.00	179.58	12,257.0	-4,146.1	-134.8	4,147.2	0.00	0.00	0.00
16,800.0	90.00	179.58	12,257.0	-4,246.1	-134.0	4,247.2	0.00	0.00	0.00
16,900.0	90.00	179.58	12,257.0	-4,346.1	-133.3	4,347.2	0.00	0.00	0.00
17,000.0	90.00	179.58	12,257.0	-4,446.1	-132.5	4,447.1	0.00	0.00	0.00
17,100.0	90.00	179.58	12,257.0	-4,546.1	-131.8	4,547.1	0.00	0.00	0.00
17,200.0	90.00	179.58	12,257.0	-4,646.1	-131.1	4,647.1	0.00	0.00	0.00
17,300.0	90.00	179.58	12,257.0	-4,746.1	-130.3	4,747.1	0.00	0.00	0.00
17,400.0	90.00	179.58	12,257.0	-4,846.1	-129.6	4,847.1	0.00	0.00	0.00
17,500.0	90.00	179.58	12,257.0	-4,946.1	-128.8	4,947.1	0.00	0.00	0.00
17,600.0	90.00	179.58	12,257.0	-5,046.1	-128.1	5,047.1	0.00	0.00	0.00
17,700.0	90.00	179.58	12,257.0	-5,146.1	-127.4	5,147.0	0.00	0.00	0.00
17,800.0	90.00	179.58	12,257.0	-5,246.1	-126.6	5,247.0	0.00	0.00	0.00
17,900.0	90.00	179.58	12,257.0	-5,346.1	-125.9	5,347.0	0.00	0.00	0.00
18,000.0	90.00	179.58	12,257.0	-5,446.1	-125.1	5,447.0	0.00	0.00	0.00
18,100.0	90.00	179.58	12,257.0	-5,546.1	-124.4	5,547.0	0.00	0.00	0.00
18,200.0	90.00	179.58	12,257.0	-5,646.1	-123.7	5,647.0	0.00	0.00	0.00
18,300.0	90.00	179.58	12,257.0	-5,746.1	-122.9	5,747.0	0.00	0.00	0.00
18,400.0	90.00	179.58	12,257.0	-5,846.1	-122.2	5,846.9	0.00	0.00	0.00
18,500.0	90.00	179.58	12,257.0	-5,946.0	-121.4	5,946.9	0.00	0.00	0.00
18,600.0	90.00	179.58	12,257.0	-6,046.0	-120.7	6,046.9	0.00	0.00	0.00
18,700.0	90.00	179.58	12,257.0	-6,146.0	-119.9	6,146.9	0.00	0.00	0.00
18,800.0	90.00	179.58	12,257.0	-6,246.0	-119.2	6,246.9	0.00	0.00	0.00
18,900.0	90.00	179.58	12,257.0	-6,346.0	-118.5	6,346.9	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Convey 28 State Com
Well: #602H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #602H
TVD Reference: KB = 25 @ 3550.0usft
MD Reference: KB = 25 @ 3550.0usft
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)
19,000.0	90.00	179.58	12,257.0	-6,446.0	-117.7	6,446.9	0.00	0.00	0.00
19,100.0	90.00	179.58	12,257.0	-6,546.0	-117.0	6,546.8	0.00	0.00	0.00
19,200.0	90.00	179.58	12,257.0	-6,646.0	-116.2	6,646.8	0.00	0.00	0.00
19,300.0	90.00	179.58	12,257.0	-6,746.0	-115.5	6,746.8	0.00	0.00	0.00
19,400.0	90.00	179.58	12,257.0	-6,846.0	-114.8	6,846.8	0.00	0.00	0.00
19,500.0	90.00	179.58	12,257.0	-6,946.0	-114.0	6,946.8	0.00	0.00	0.00
19,600.0	90.00	179.58	12,257.0	-7,046.0	-113.3	7,046.8	0.00	0.00	0.00
19,700.0	90.00	179.58	12,257.0	-7,146.0	-112.5	7,146.8	0.00	0.00	0.00
19,800.0	90.00	179.58	12,257.0	-7,246.0	-111.8	7,246.7	0.00	0.00	0.00
19,900.0	90.00	179.58	12,257.0	-7,346.0	-111.1	7,346.7	0.00	0.00	0.00
20,000.0	90.00	179.58	12,257.0	-7,446.0	-110.3	7,446.7	0.00	0.00	0.00
20,100.0	90.00	179.58	12,257.0	-7,546.0	-109.6	7,546.7	0.00	0.00	0.00
20,200.0	90.00	179.58	12,257.0	-7,646.0	-108.8	7,646.7	0.00	0.00	0.00
20,300.0	90.00	179.58	12,257.0	-7,746.0	-108.1	7,746.7	0.00	0.00	0.00
20,400.0	90.00	179.58	12,257.0	-7,846.0	-107.4	7,846.7	0.00	0.00	0.00
20,500.0	90.00	179.58	12,257.0	-7,946.0	-106.6	7,946.6	0.00	0.00	0.00
20,600.0	90.00	179.58	12,257.0	-8,046.0	-105.9	8,046.6	0.00	0.00	0.00
20,700.0	90.00	179.58	12,257.0	-8,146.0	-105.1	8,146.6	0.00	0.00	0.00
20,800.0	90.00	179.58	12,257.0	-8,246.0	-104.4	8,246.6	0.00	0.00	0.00
20,900.0	90.00	179.58	12,257.0	-8,346.0	-103.7	8,346.6	0.00	0.00	0.00
21,000.0	90.00	179.58	12,257.0	-8,446.0	-102.9	8,446.6	0.00	0.00	0.00
21,100.0	90.00	179.58	12,257.0	-8,546.0	-102.2	8,546.6	0.00	0.00	0.00
21,200.0	90.00	179.58	12,257.0	-8,646.0	-101.4	8,646.5	0.00	0.00	0.00
21,300.0	90.00	179.58	12,257.0	-8,746.0	-100.7	8,746.5	0.00	0.00	0.00
21,400.0	90.00	179.58	12,257.0	-8,846.0	-100.0	8,846.5	0.00	0.00	0.00
21,500.0	90.00	179.58	12,257.0	-8,946.0	-99.2	8,946.5	0.00	0.00	0.00
21,600.0	90.00	179.58	12,257.0	-9,046.0	-98.5	9,046.5	0.00	0.00	0.00
21,700.0	90.00	179.58	12,257.0	-9,146.0	-97.7	9,146.5	0.00	0.00	0.00
21,800.0	90.00	179.58	12,257.0	-9,246.0	-97.0	9,246.5	0.00	0.00	0.00
21,900.0	90.00	179.58	12,257.0	-9,346.0	-96.3	9,346.4	0.00	0.00	0.00
22,000.0	90.00	179.58	12,257.0	-9,446.0	-95.5	9,446.4	0.00	0.00	0.00
22,100.0	90.00	179.58	12,257.0	-9,545.9	-94.8	9,546.4	0.00	0.00	0.00
22,200.0	90.00	179.58	12,257.0	-9,645.9	-94.0	9,646.4	0.00	0.00	0.00
22,300.0	90.00	179.58	12,257.0	-9,745.9	-93.3	9,746.4	0.00	0.00	0.00
22,340.1	90.00	179.58	12,257.0	-9,786.0	-93.0	9,786.4	0.00	0.00	0.00

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(Con 28 ST Com ; - plan hits target center - Point	0.00	0.00	12,257.0	-9,786.0	-93.0	425,499.00	776,554.00	32° 10' 2.968 N	103° 34' 23.397 W
FTP(Con 28 ST Com #6 - plan misses target center by 66.3usft at 12367.4usft MD (12224.5 TVD, 182.3 N, -166.2 E) - Point	0.00	0.00	12,286.0	207.0	-167.0	435,492.00	776,480.00	32° 11' 41.856 N	103° 34' 23.436 W