

HUBBS OGD

APR 11 2018

RECEIVED



Lea County, NM (NAD 83 NME)

Condor 32 State #603H

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: #603H

KB = 25 @ 3345.0usft
Northing 398194.00 Easting 801748.00
32° 5' 30.926 N 103° 29' 32.785 W
3320.0

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/S	+E/W	Dleg	TFace	VSec	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	3522.7	5.23	5.83	3522.0	23.7	2.4	1.00	5.83	-23.6	
4	11960.1	5.23	5.83	11924.3	788.5	80.5	0.00	0.00	-785.7	
5	12753.4	90.00	179.53	12445.0	313.0	89.7	12.00	173.67	-310.2	
6	17269.6	90.00	179.53	12445.0	-4203.0	127.0	0.00	0.00	4204.9	PBHL (Condor 32 State #603H)



Azimuths to Grid North
True North: 0.48°
Magnetic North: 6.38°
Magnetic Field Strength: 47794.9anT
Dip Angle: 88.94°
Date: 3/6/2018
Model: IGRF2015

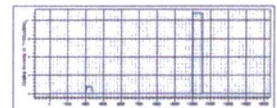
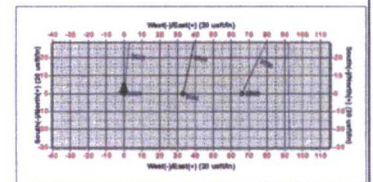
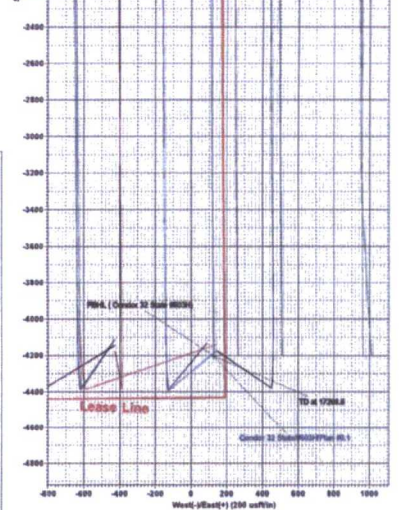
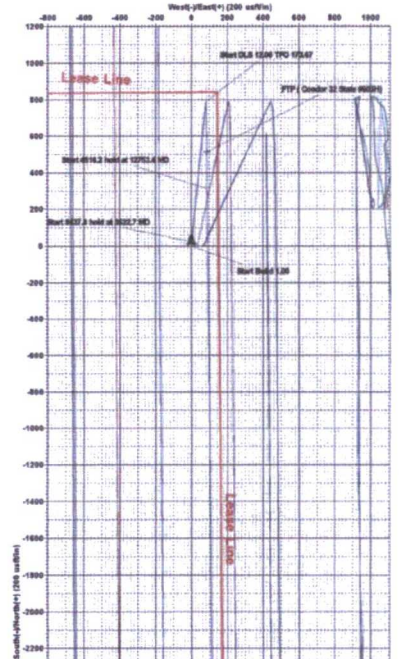
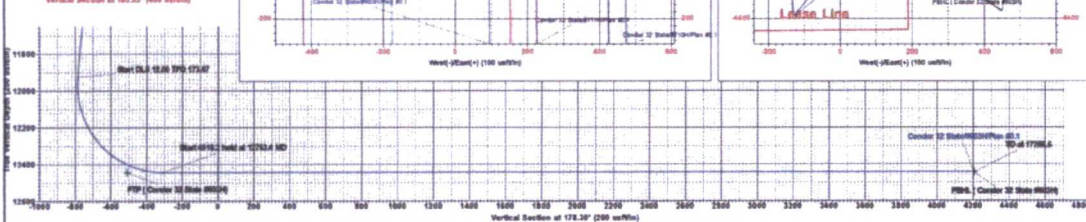
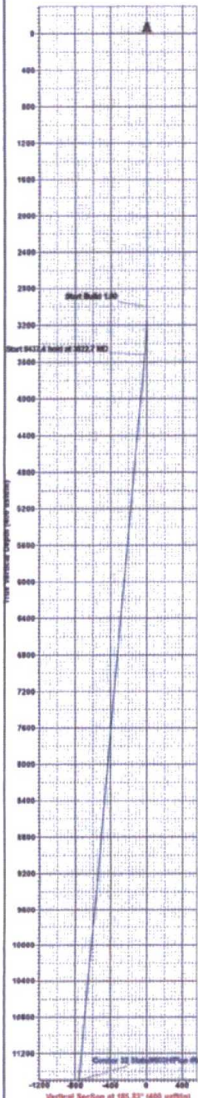
To convert a Magnetic Direction to a Grid Direction, Add 6.38°
To convert a Magnetic Direction to a True Direction, Add 6.83° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/S	+E/W	Northing	Easting
FTP (Condor 32 State #603H)	12445.0	513.0	88.0	396707.00	801834.00
PBHL (Condor 32 State #603H)	12445.0	-4203.0	127.0	393991.00	801875.00



Scale: 1 inch = 100 feet



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State

#603H

OH

Plan: Plan #0.1

Standard Planning Report

10 April, 2018



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25 @ 3345.0usft
MD Reference: KB = 25 @ 3345.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Lea County, NM (NAD 83 NME)

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

Site Condor 32 State

Site Position: Northing: 398,890.00 usft Latitude: 32° 5' 37.669 N
From: Map Easting: 803,604.00 usft Longitude: 103° 29' 11.148 W
Position Uncertainty: 0.0 usft Slot Radius: 13-3/16" Grid Convergence: 0.45°

Well #603H

Well Position +N/-S -696.0 usft Northing: 398,194.00 usft Latitude: 32° 5' 30.926 N
 +E/-W -1,856.0 usft Easting: 801,748.00 usft Longitude: 103° 29' 32.785 W
Position Uncertainty 0.0 usft **Wellhead Elevation:** Ground Level: 3,320.0 usft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/6/2018	6.83	59.94	47,794.92612152

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	178.30

Plan Survey Tool Program Date 4/10/2018

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,269.6 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	
3,522.7	5.23	5.83	3,522.0	23.7	2.4	1.00	1.00	0.00	5.83	
11,960.1	5.23	5.83	11,924.3	788.5	80.5	0.00	0.00	0.00	0.00	
12,753.4	90.00	179.53	12,445.0	313.0	89.7	12.00	10.69	21.90	173.67	
17,269.6	90.00	179.53	12,445.0	-4,203.0	127.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 St



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25 @ 3345.0usft
MD Reference: KB = 25 @ 3345.0usft
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	5.83	3,100.0	0.9	0.1	-0.9	1.00	1.00	0.00
3,200.0	2.00	5.83	3,200.0	3.5	0.4	-3.5	1.00	1.00	0.00
3,300.0	3.00	5.83	3,299.9	7.8	0.8	-7.8	1.00	1.00	0.00
3,400.0	4.00	5.83	3,399.7	13.9	1.4	-13.8	1.00	1.00	0.00
3,500.0	5.00	5.83	3,499.4	21.7	2.2	-21.6	1.00	1.00	0.00
3,522.7	5.23	5.83	3,522.0	23.7	2.4	-23.6	1.00	1.00	0.00
3,600.0	5.23	5.83	3,599.0	30.7	3.1	-30.6	0.00	0.00	0.00
3,700.0	5.23	5.83	3,698.5	39.8	4.1	-39.6	0.00	0.00	0.00
3,800.0	5.23	5.83	3,798.1	48.8	5.0	-48.7	0.00	0.00	0.00
3,900.0	5.23	5.83	3,897.7	57.9	5.9	-57.7	0.00	0.00	0.00
4,000.0	5.23	5.83	3,997.3	67.0	6.8	-66.7	0.00	0.00	0.00
4,100.0	5.23	5.83	4,096.9	76.0	7.8	-75.8	0.00	0.00	0.00
4,200.0	5.23	5.83	4,196.5	85.1	8.7	-84.8	0.00	0.00	0.00
4,300.0	5.23	5.83	4,296.0	94.2	9.6	-93.8	0.00	0.00	0.00
4,400.0	5.23	5.83	4,395.6	103.2	10.5	-102.9	0.00	0.00	0.00
4,500.0	5.23	5.83	4,495.2	112.3	11.5	-111.9	0.00	0.00	0.00
4,600.0	5.23	5.83	4,594.8	121.3	12.4	-120.9	0.00	0.00	0.00
4,700.0	5.23	5.83	4,694.4	130.4	13.3	-130.0	0.00	0.00	0.00
4,800.0	5.23	5.83	4,794.0	139.5	14.2	-139.0	0.00	0.00	0.00
4,900.0	5.23	5.83	4,893.5	148.5	15.2	-148.0	0.00	0.00	0.00
5,000.0	5.23	5.83	4,993.1	157.6	16.1	-157.1	0.00	0.00	0.00
5,100.0	5.23	5.83	5,092.7	166.7	17.0	-166.1	0.00	0.00	0.00
5,200.0	5.23	5.83	5,192.3	175.7	17.9	-175.1	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25 @ 3345.0usft
MD Reference: KB = 25 @ 3345.0usft
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	5.23	5.83	5,291.9	184.8	18.9	-184.2	0.00	0.00	0.00
5,400.0	5.23	5.83	5,391.5	193.9	19.8	-193.2	0.00	0.00	0.00
5,500.0	5.23	5.83	5,491.1	202.9	20.7	-202.2	0.00	0.00	0.00
5,600.0	5.23	5.83	5,590.6	212.0	21.6	-211.3	0.00	0.00	0.00
5,700.0	5.23	5.83	5,690.2	221.1	22.6	-220.3	0.00	0.00	0.00
5,800.0	5.23	5.83	5,789.8	230.1	23.5	-229.3	0.00	0.00	0.00
5,900.0	5.23	5.83	5,889.4	239.2	24.4	-238.3	0.00	0.00	0.00
6,000.0	5.23	5.83	5,989.0	248.2	25.3	-247.4	0.00	0.00	0.00
6,100.0	5.23	5.83	6,088.6	257.3	26.3	-256.4	0.00	0.00	0.00
6,200.0	5.23	5.83	6,188.1	266.4	27.2	-265.4	0.00	0.00	0.00
6,300.0	5.23	5.83	6,287.7	275.4	28.1	-274.5	0.00	0.00	0.00
6,400.0	5.23	5.83	6,387.3	284.5	29.0	-283.5	0.00	0.00	0.00
6,500.0	5.23	5.83	6,486.9	293.6	30.0	-292.5	0.00	0.00	0.00
6,600.0	5.23	5.83	6,586.5	302.6	30.9	-301.6	0.00	0.00	0.00
6,700.0	5.23	5.83	6,686.1	311.7	31.8	-310.6	0.00	0.00	0.00
6,800.0	5.23	5.83	6,785.6	320.8	32.7	-319.6	0.00	0.00	0.00
6,900.0	5.23	5.83	6,885.2	329.8	33.7	-328.7	0.00	0.00	0.00
7,000.0	5.23	5.83	6,984.8	338.9	34.6	-337.7	0.00	0.00	0.00
7,100.0	5.23	5.83	7,084.4	347.9	35.5	-346.7	0.00	0.00	0.00
7,200.0	5.23	5.83	7,184.0	357.0	36.4	-355.8	0.00	0.00	0.00
7,300.0	5.23	5.83	7,283.6	366.1	37.4	-364.8	0.00	0.00	0.00
7,400.0	5.23	5.83	7,383.1	375.1	38.3	-373.8	0.00	0.00	0.00
7,500.0	5.23	5.83	7,482.7	384.2	39.2	-382.9	0.00	0.00	0.00
7,600.0	5.23	5.83	7,582.3	393.3	40.1	-391.9	0.00	0.00	0.00
7,700.0	5.23	5.83	7,681.9	402.3	41.1	-400.9	0.00	0.00	0.00
7,800.0	5.23	5.83	7,781.5	411.4	42.0	-410.0	0.00	0.00	0.00
7,900.0	5.23	5.83	7,881.1	420.5	42.9	-419.0	0.00	0.00	0.00
8,000.0	5.23	5.83	7,980.7	429.5	43.8	-428.0	0.00	0.00	0.00
8,100.0	5.23	5.83	8,080.2	438.6	44.8	-437.1	0.00	0.00	0.00
8,200.0	5.23	5.83	8,179.8	447.7	45.7	-446.1	0.00	0.00	0.00
8,300.0	5.23	5.83	8,279.4	456.7	46.6	-455.1	0.00	0.00	0.00
8,400.0	5.23	5.83	8,379.0	465.8	47.5	-464.2	0.00	0.00	0.00
8,500.0	5.23	5.83	8,478.6	474.8	48.5	-473.2	0.00	0.00	0.00
8,600.0	5.23	5.83	8,578.2	483.9	49.4	-482.2	0.00	0.00	0.00
8,700.0	5.23	5.83	8,677.7	493.0	50.3	-491.3	0.00	0.00	0.00
8,800.0	5.23	5.83	8,777.3	502.0	51.3	-500.3	0.00	0.00	0.00
8,900.0	5.23	5.83	8,876.9	511.1	52.2	-509.3	0.00	0.00	0.00
9,000.0	5.23	5.83	8,976.5	520.2	53.1	-518.4	0.00	0.00	0.00
9,100.0	5.23	5.83	9,076.1	529.2	54.0	-527.4	0.00	0.00	0.00
9,200.0	5.23	5.83	9,175.7	538.3	55.0	-536.4	0.00	0.00	0.00
9,300.0	5.23	5.83	9,275.2	547.4	55.9	-545.5	0.00	0.00	0.00
9,400.0	5.23	5.83	9,374.8	556.4	56.8	-554.5	0.00	0.00	0.00
9,500.0	5.23	5.83	9,474.4	565.5	57.7	-563.5	0.00	0.00	0.00
9,600.0	5.23	5.83	9,574.0	574.5	58.7	-572.5	0.00	0.00	0.00
9,700.0	5.23	5.83	9,673.6	583.6	59.6	-581.6	0.00	0.00	0.00
9,800.0	5.23	5.83	9,773.2	592.7	60.5	-590.6	0.00	0.00	0.00
9,900.0	5.23	5.83	9,872.8	601.7	61.4	-599.6	0.00	0.00	0.00
10,000.0	5.23	5.83	9,972.3	610.8	62.4	-608.7	0.00	0.00	0.00
10,100.0	5.23	5.83	10,071.9	619.9	63.3	-617.7	0.00	0.00	0.00
10,200.0	5.23	5.83	10,171.5	628.9	64.2	-626.7	0.00	0.00	0.00
10,300.0	5.23	5.83	10,271.1	638.0	65.1	-635.8	0.00	0.00	0.00
10,400.0	5.23	5.83	10,370.7	647.1	66.1	-644.8	0.00	0.00	0.00
10,500.0	5.23	5.83	10,470.3	656.1	67.0	-653.8	0.00	0.00	0.00
10,600.0	5.23	5.83	10,569.8	665.2	67.9	-662.9	0.00	0.00	0.00



Planning Report

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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	5.23	5.83	10,669.4	674.2	68.8	-671.9	0.00	0.00	0.00
10,800.0	5.23	5.83	10,769.0	683.3	69.8	-680.9	0.00	0.00	0.00
10,900.0	5.23	5.83	10,868.6	692.4	70.7	-690.0	0.00	0.00	0.00
11,000.0	5.23	5.83	10,968.2	701.4	71.6	-699.0	0.00	0.00	0.00
11,100.0	5.23	5.83	11,067.8	710.5	72.5	-708.0	0.00	0.00	0.00
11,200.0	5.23	5.83	11,167.3	719.6	73.5	-717.1	0.00	0.00	0.00
11,300.0	5.23	5.83	11,266.9	728.6	74.4	-726.1	0.00	0.00	0.00
11,400.0	5.23	5.83	11,366.5	737.7	75.3	-735.1	0.00	0.00	0.00
11,500.0	5.23	5.83	11,466.1	746.8	76.2	-744.2	0.00	0.00	0.00
11,600.0	5.23	5.83	11,565.7	755.8	77.2	-753.2	0.00	0.00	0.00
11,700.0	5.23	5.83	11,665.3	764.9	78.1	-762.2	0.00	0.00	0.00
11,800.0	5.23	5.83	11,764.8	774.0	79.0	-771.3	0.00	0.00	0.00
11,900.0	5.23	5.83	11,864.4	783.0	79.9	-780.3	0.00	0.00	0.00
11,960.1	5.23	5.83	11,924.3	788.5	80.5	-785.7	0.00	0.00	0.00
11,975.0	3.46	9.09	11,939.1	789.6	80.6	-786.8	12.00	-11.89	21.92
12,000.0	0.71	53.88	11,964.1	790.4	80.9	-787.7	12.00	-11.01	179.19
12,025.0	2.65	167.00	11,989.1	789.9	81.1	-787.2	12.00	7.77	452.45
12,050.0	5.62	173.66	12,014.0	788.2	81.4	-785.4	12.00	11.87	26.68
12,075.0	8.61	175.72	12,038.8	785.1	81.7	-782.3	12.00	11.96	8.23
12,100.0	11.60	176.72	12,063.5	780.7	82.0	-777.9	12.00	11.98	4.00
12,125.0	14.60	177.32	12,087.8	775.1	82.2	-772.3	12.00	11.99	2.38
12,150.0	17.60	177.71	12,111.8	768.1	82.5	-765.3	12.00	11.99	1.58
12,175.0	20.60	177.99	12,135.4	760.0	82.8	-757.2	12.00	11.99	1.13
12,200.0	23.59	178.21	12,158.6	750.6	83.2	-747.8	12.00	12.00	0.86
12,225.0	26.59	178.38	12,181.2	740.0	83.5	-737.2	12.00	12.00	0.67
12,250.0	29.59	178.51	12,203.3	728.2	83.8	-725.4	12.00	12.00	0.54
12,275.0	32.59	178.63	12,224.7	715.3	84.1	-712.5	12.00	12.00	0.45
12,300.0	35.59	178.72	12,245.4	701.3	84.4	-698.5	12.00	12.00	0.38
12,325.0	38.59	178.81	12,265.3	686.2	84.8	-683.4	12.00	12.00	0.33
12,350.0	41.59	178.88	12,284.5	670.1	85.1	-667.3	12.00	12.00	0.29
12,375.0	44.59	178.94	12,302.7	653.0	85.4	-650.2	12.00	12.00	0.26
12,400.0	47.59	179.00	12,320.1	635.0	85.7	-632.2	12.00	12.00	0.23
12,425.0	50.59	179.05	12,336.4	616.1	86.1	-613.3	12.00	12.00	0.21
12,450.0	53.59	179.10	12,351.8	596.4	86.4	-593.6	12.00	12.00	0.19
12,475.0	56.59	179.15	12,366.1	575.9	86.7	-573.1	12.00	12.00	0.18
12,500.0	59.59	179.19	12,379.3	554.7	87.0	-551.9	12.00	12.00	0.17
12,525.0	62.59	179.23	12,391.4	532.8	87.3	-530.0	12.00	12.00	0.16
12,550.0	65.59	179.27	12,402.3	510.4	87.6	-507.5	12.00	12.00	0.15
12,564.2	67.29	179.29	12,408.0	497.4	87.8	-494.5	12.00	12.00	0.14
FTP (Condor 32 State #603H)									
12,575.0	68.59	179.30	12,412.0	487.3	87.9	-484.5	12.00	12.00	0.14
12,600.0	71.59	179.33	12,420.6	463.8	88.2	-461.0	12.00	12.00	0.14
12,625.0	74.59	179.37	12,427.8	439.9	88.4	-437.1	12.00	12.00	0.13
12,650.0	77.59	179.40	12,433.8	415.7	88.7	-412.8	12.00	12.00	0.13
12,675.0	80.59	179.43	12,438.6	391.1	88.9	-388.3	12.00	12.00	0.13
12,700.0	83.59	179.46	12,442.0	366.3	89.2	-363.5	12.00	12.00	0.12
12,725.0	86.59	179.49	12,444.2	341.4	89.4	-338.6	12.00	12.00	0.12
12,750.0	89.59	179.52	12,445.0	316.5	89.6	-313.7	12.00	12.00	0.12
12,753.4	90.00	179.53	12,445.0	313.0	89.7	-310.2	12.00	12.00	0.12
12,800.0	90.00	179.53	12,445.0	266.5	90.0	-263.7	0.00	0.00	0.00
12,900.0	90.00	179.53	12,445.0	166.5	90.9	-163.7	0.00	0.00	0.00
13,000.0	90.00	179.53	12,445.0	66.5	91.7	-63.7	0.00	0.00	0.00
13,100.0	90.00	179.53	12,445.0	-33.5	92.5	36.3	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference: KB = 25 @ 3345.0usft
MD Reference: KB = 25 @ 3345.0usft
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)
13,200.0	90.00	179.53	12,445.0	-133.5	93.3	136.2	0.00	0.00	0.00
13,300.0	90.00	179.53	12,445.0	-233.5	94.2	236.2	0.00	0.00	0.00
13,400.0	90.00	179.53	12,445.0	-333.5	95.0	336.2	0.00	0.00	0.00
13,500.0	90.00	179.53	12,445.0	-433.5	95.8	436.2	0.00	0.00	0.00
13,600.0	90.00	179.53	12,445.0	-533.5	96.7	536.1	0.00	0.00	0.00
13,700.0	90.00	179.53	12,445.0	-633.5	97.5	636.1	0.00	0.00	0.00
13,800.0	90.00	179.53	12,445.0	-733.5	98.3	736.1	0.00	0.00	0.00
13,900.0	90.00	179.53	12,445.0	-833.5	99.1	836.1	0.00	0.00	0.00
14,000.0	90.00	179.53	12,445.0	-933.5	100.0	936.1	0.00	0.00	0.00
14,100.0	90.00	179.53	12,445.0	-1,033.5	100.8	1,036.0	0.00	0.00	0.00
14,200.0	90.00	179.53	12,445.0	-1,133.5	101.6	1,136.0	0.00	0.00	0.00
14,300.0	90.00	179.53	12,445.0	-1,233.5	102.4	1,236.0	0.00	0.00	0.00
14,400.0	90.00	179.53	12,445.0	-1,333.5	103.3	1,336.0	0.00	0.00	0.00
14,500.0	90.00	179.53	12,445.0	-1,433.5	104.1	1,435.9	0.00	0.00	0.00
14,600.0	90.00	179.53	12,445.0	-1,533.5	104.9	1,535.9	0.00	0.00	0.00
14,700.0	90.00	179.53	12,445.0	-1,633.5	105.8	1,635.9	0.00	0.00	0.00
14,800.0	90.00	179.53	12,445.0	-1,733.5	106.6	1,735.9	0.00	0.00	0.00
14,900.0	90.00	179.53	12,445.0	-1,833.5	107.4	1,835.8	0.00	0.00	0.00
15,000.0	90.00	179.53	12,445.0	-1,933.5	108.2	1,935.8	0.00	0.00	0.00
15,100.0	90.00	179.53	12,445.0	-2,033.5	109.1	2,035.8	0.00	0.00	0.00
15,200.0	90.00	179.53	12,445.0	-2,133.5	109.9	2,135.8	0.00	0.00	0.00
15,300.0	90.00	179.53	12,445.0	-2,233.5	110.7	2,235.8	0.00	0.00	0.00
15,400.0	90.00	179.53	12,445.0	-2,333.4	111.5	2,335.7	0.00	0.00	0.00
15,500.0	90.00	179.53	12,445.0	-2,433.4	112.4	2,435.7	0.00	0.00	0.00
15,600.0	90.00	179.53	12,445.0	-2,533.4	113.2	2,535.7	0.00	0.00	0.00
15,700.0	90.00	179.53	12,445.0	-2,633.4	114.0	2,635.7	0.00	0.00	0.00
15,800.0	90.00	179.53	12,445.0	-2,733.4	114.8	2,735.6	0.00	0.00	0.00
15,900.0	90.00	179.53	12,445.0	-2,833.4	115.7	2,835.6	0.00	0.00	0.00
16,000.0	90.00	179.53	12,445.0	-2,933.4	116.5	2,935.6	0.00	0.00	0.00
16,100.0	90.00	179.53	12,445.0	-3,033.4	117.3	3,035.6	0.00	0.00	0.00
16,200.0	90.00	179.53	12,445.0	-3,133.4	118.2	3,135.5	0.00	0.00	0.00
16,300.0	90.00	179.53	12,445.0	-3,233.4	119.0	3,235.5	0.00	0.00	0.00
16,400.0	90.00	179.53	12,445.0	-3,333.4	119.8	3,335.5	0.00	0.00	0.00
16,500.0	90.00	179.53	12,445.0	-3,433.4	120.6	3,435.5	0.00	0.00	0.00
16,600.0	90.00	179.53	12,445.0	-3,533.4	121.5	3,535.5	0.00	0.00	0.00
16,700.0	90.00	179.53	12,445.0	-3,633.4	122.3	3,635.4	0.00	0.00	0.00
16,800.0	90.00	179.53	12,445.0	-3,733.4	123.1	3,735.4	0.00	0.00	0.00
16,900.0	90.00	179.53	12,445.0	-3,833.4	123.9	3,835.4	0.00	0.00	0.00
17,000.0	90.00	179.53	12,445.0	-3,933.4	124.8	3,935.4	0.00	0.00	0.00
17,100.0	90.00	179.53	12,445.0	-4,033.4	125.6	4,035.3	0.00	0.00	0.00
17,200.0	90.00	179.53	12,445.0	-4,133.4	126.4	4,135.3	0.00	0.00	0.00
17,269.6	90.00	179.53	12,445.0	-4,203.0	127.0	4,204.9	0.00	0.00	0.00

PBHL (Condor 32 State #603H)



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #603H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #603H
TVD Reference: KB = 25 @ 3345.0usft
MD Reference: KB = 25 @ 3345.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (Condor 32 State - plan hits target center - Point	0.00	0.00	12,445.0	-4,203.0	127.0	393,991.00	801,875.00	32° 4' 49.326 N	103° 29' 31.690 W
FTP (Condor 32 State # - plan misses target center by 40.2usft at 12564.2usft MD (12408.0 TVD, 497.4 N, 87.8 E) - Point	0.00	0.00	12,445.0	513.0	86.0	398,707.00	801,834.00	32° 5' 35.995 N	103° 29' 31.739 W