

HOBBS OCD
APR 11 2018
RECEIVED



Lea County, NM (NAD 83 NME)
Condor 32 State Com #615H
Plan #0.1

Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.37°

Magnetic Field
Strength: 47778.0nT
Dip Angle: 55.53°
Date: 4/10/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.37°
To convert a Magnetic Direction to a True Direction, Add 6.82° East
To convert a True Direction to a Grid Direction, Subtract 0.45°

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: #615H

KB = 25 @ 3365.0usft	3340.0
Northing 394049.00	Easting 801320.00
Latitude 32° 4' 49.943 N	Longitude 103° 29' 38.135 W

SECTION DETAILS

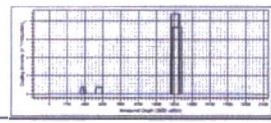
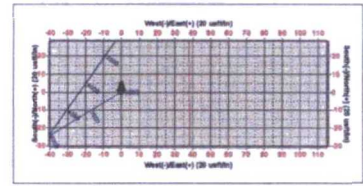
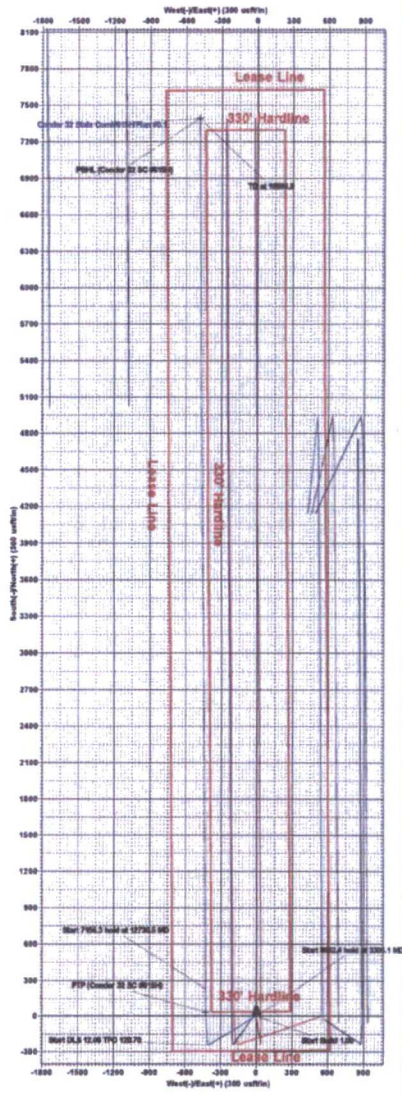
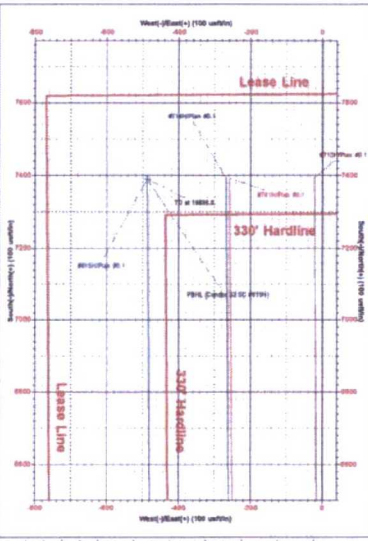
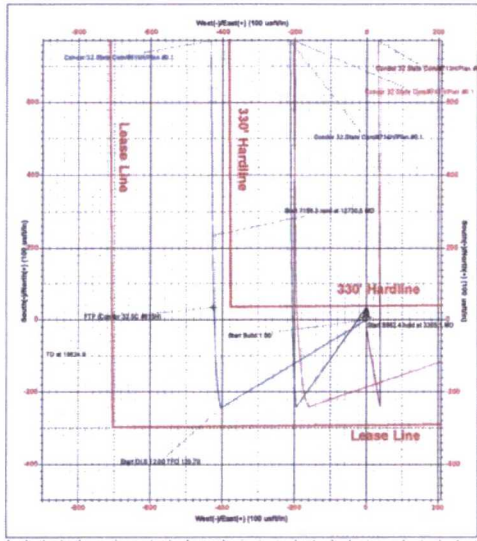
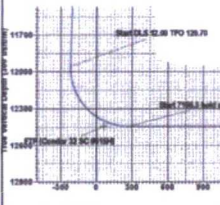
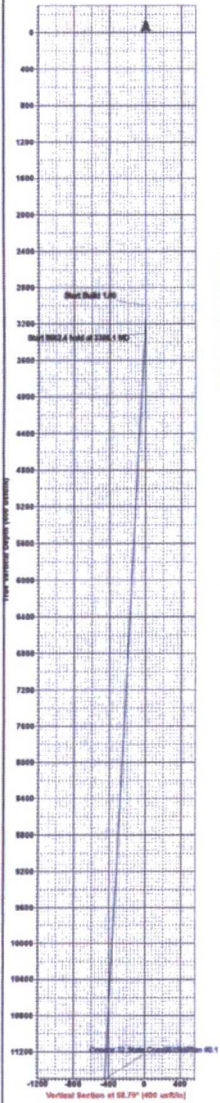
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	V Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3305.1	3.05	238.79	3304.9	-4.2	-6.9	1.00	238.79	-3.7	
4	11967.5	3.05	238.79	11955.1	-243.1	-401.2	0.00	0.00	-216.2	
5	12730.5	90.00	359.52	12445.0	234.0	-427.7	12.00	120.70	261.6	
6	19886.8	90.00	359.52	12445.0	7390.0	-488.0	0.00	0.00	7406.1	PBHL (Condor 32 SC #615H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Condor 32 SC #615H)	12445.0	34.0	-426.0	394083.00	800884.00
PBHL (Condor 32 SC #615H)	12445.0	7390.0	-488.0	401439.00	800832.00



Scale: 1 inch = 100 feet
North Arrow



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State Com

#615H

OH

Plan: Plan #0.1

Standard Planning Report

10 April, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #615H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3365.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3365.0usft
Site:	Condor 32 State Com	North Reference:	Grid
Well:	#615H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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	Condor 32 State Com		
Site Position:		Northing:	394,016.00 usft
From:	Map	Easting:	801,320.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 49.616 N
		Longitude:	103° 29' 38.138 W
		Grid Convergence:	0.45 °

Well	#615H		
Well Position	+N/-S	33.0 usft	Northing: 394,049.00 usft
	+E/-W	0.0 usft	Easting: 801,320.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,340.0 usft
		Latitude:	32° 4' 49.943 N
		Longitude:	103° 29' 38.135 W
		Ground Level:	

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	4/10/2018	6.82
			Dip Angle (°)
			59.93
			Field Strength (nT)
			47,778.01387032

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)
	0.0	0.0	0.0
			Direction (°)
			356.22

Plan Survey Tool Program	Date 4/10/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	19,886.8 Plan #0.1 (OH)	MWD
			OWSG MWD - Standard
			Remarks

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	
3,305.1	3.05	238.79	3,304.9	-4.2	-6.9	1.00	1.00	0.00	238.79	
11,967.5	3.05	238.79	11,955.1	-243.1	-401.2	0.00	0.00	0.00	0.00	
12,730.5	90.00	359.52	12,445.0	234.0	-427.7	12.00	11.40	15.82	120.70	
19,886.8	90.00	359.52	12,445.0	7,390.0	-488.0	0.00	0.00	0.00	0.00	0.00 PBHL (Condor 32 SC



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Condor 32 State Com
 Well: #615H
 Wellbore: OH
 Design: Plan #0.1

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

Well #615H
 KB = 25 @ 3365.0usft
 KB = 25 @ 3365.0usft
 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)
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	238.79	3,100.0	-0.5	-0.7	-0.4	1.00	1.00	0.00
3,200.0	2.00	238.79	3,200.0	-1.8	-3.0	-1.6	1.00	1.00	0.00
3,305.1	3.05	238.79	3,304.9	-4.2	-6.9	-3.7	1.00	1.00	0.00
3,400.0	3.05	238.79	3,399.7	-6.8	-11.3	-6.1	0.00	0.00	0.00
3,500.0	3.05	238.79	3,499.6	-9.6	-15.8	-8.5	0.00	0.00	0.00
3,600.0	3.05	238.79	3,599.4	-12.3	-20.4	-11.0	0.00	0.00	0.00
3,700.0	3.05	238.79	3,699.3	-15.1	-24.9	-13.4	0.00	0.00	0.00
3,800.0	3.05	238.79	3,799.2	-17.9	-29.5	-15.9	0.00	0.00	0.00
3,900.0	3.05	238.79	3,899.0	-20.6	-34.0	-18.3	0.00	0.00	0.00
4,000.0	3.05	238.79	3,998.9	-23.4	-38.6	-20.8	0.00	0.00	0.00
4,100.0	3.05	238.79	4,098.7	-26.1	-43.1	-23.2	0.00	0.00	0.00
4,200.0	3.05	238.79	4,198.6	-28.9	-47.7	-25.7	0.00	0.00	0.00
4,300.0	3.05	238.79	4,298.4	-31.6	-52.2	-28.1	0.00	0.00	0.00
4,400.0	3.05	238.79	4,398.3	-34.4	-56.8	-30.6	0.00	0.00	0.00
4,500.0	3.05	238.79	4,498.2	-37.2	-61.3	-33.0	0.00	0.00	0.00
4,600.0	3.05	238.79	4,598.0	-39.9	-65.9	-35.5	0.00	0.00	0.00
4,700.0	3.05	238.79	4,697.9	-42.7	-70.4	-37.9	0.00	0.00	0.00
4,800.0	3.05	238.79	4,797.7	-45.4	-75.0	-40.4	0.00	0.00	0.00
4,900.0	3.05	238.79	4,897.6	-48.2	-79.5	-42.9	0.00	0.00	0.00
5,000.0	3.05	238.79	4,997.5	-51.0	-84.1	-45.3	0.00	0.00	0.00
5,100.0	3.05	238.79	5,097.3	-53.7	-88.6	-47.8	0.00	0.00	0.00
5,200.0	3.05	238.79	5,197.2	-56.5	-93.2	-50.2	0.00	0.00	0.00
5,300.0	3.05	238.79	5,297.0	-59.2	-97.7	-52.7	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Condor 32 State Com
 Well: #615H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #615H
 TVD Reference: KB = 25 @ 3365.0usft
 MD Reference: KB = 25 @ 3365.0usft
 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)
5,400.0	3.05	238.79	5,396.9	-62.0	-102.3	-55.1	0.00	0.00	0.00
5,500.0	3.05	238.79	5,496.7	-64.7	-106.8	-57.6	0.00	0.00	0.00
5,600.0	3.05	238.79	5,596.6	-67.5	-111.4	-60.0	0.00	0.00	0.00
5,700.0	3.05	238.79	5,696.5	-70.3	-116.0	-62.5	0.00	0.00	0.00
5,800.0	3.05	238.79	5,796.3	-73.0	-120.5	-64.9	0.00	0.00	0.00
5,900.0	3.05	238.79	5,896.2	-75.8	-125.1	-67.4	0.00	0.00	0.00
6,000.0	3.05	238.79	5,996.0	-78.5	-129.6	-69.8	0.00	0.00	0.00
6,100.0	3.05	238.79	6,095.9	-81.3	-134.2	-72.3	0.00	0.00	0.00
6,200.0	3.05	238.79	6,195.8	-84.1	-138.7	-74.7	0.00	0.00	0.00
6,300.0	3.05	238.79	6,295.6	-86.8	-143.3	-77.2	0.00	0.00	0.00
6,400.0	3.05	238.79	6,395.5	-89.6	-147.8	-79.6	0.00	0.00	0.00
6,500.0	3.05	238.79	6,495.3	-92.3	-152.4	-82.1	0.00	0.00	0.00
6,600.0	3.05	238.79	6,595.2	-95.1	-156.9	-84.5	0.00	0.00	0.00
6,700.0	3.05	238.79	6,695.0	-97.8	-161.5	-87.0	0.00	0.00	0.00
6,800.0	3.05	238.79	6,794.9	-100.6	-166.0	-89.4	0.00	0.00	0.00
6,900.0	3.05	238.79	6,894.8	-103.4	-170.6	-91.9	0.00	0.00	0.00
7,000.0	3.05	238.79	6,994.6	-106.1	-175.1	-94.3	0.00	0.00	0.00
7,100.0	3.05	238.79	7,094.5	-108.9	-179.7	-96.8	0.00	0.00	0.00
7,200.0	3.05	238.79	7,194.3	-111.6	-184.2	-99.3	0.00	0.00	0.00
7,300.0	3.05	238.79	7,294.2	-114.4	-188.8	-101.7	0.00	0.00	0.00
7,400.0	3.05	238.79	7,394.1	-117.2	-193.3	-104.2	0.00	0.00	0.00
7,500.0	3.05	238.79	7,493.9	-119.9	-197.9	-106.6	0.00	0.00	0.00
7,600.0	3.05	238.79	7,593.8	-122.7	-202.4	-109.1	0.00	0.00	0.00
7,700.0	3.05	238.79	7,693.6	-125.4	-207.0	-111.5	0.00	0.00	0.00
7,800.0	3.05	238.79	7,793.5	-128.2	-211.5	-114.0	0.00	0.00	0.00
7,900.0	3.05	238.79	7,893.3	-130.9	-216.1	-116.4	0.00	0.00	0.00
8,000.0	3.05	238.79	7,993.2	-133.7	-220.6	-118.9	0.00	0.00	0.00
8,100.0	3.05	238.79	8,093.1	-136.5	-225.2	-121.3	0.00	0.00	0.00
8,200.0	3.05	238.79	8,192.9	-139.2	-229.7	-123.8	0.00	0.00	0.00
8,300.0	3.05	238.79	8,292.8	-142.0	-234.3	-126.2	0.00	0.00	0.00
8,400.0	3.05	238.79	8,392.6	-144.7	-238.8	-128.7	0.00	0.00	0.00
8,500.0	3.05	238.79	8,492.5	-147.5	-243.4	-131.1	0.00	0.00	0.00
8,600.0	3.05	238.79	8,592.4	-150.2	-247.9	-133.6	0.00	0.00	0.00
8,700.0	3.05	238.79	8,692.2	-153.0	-252.5	-136.0	0.00	0.00	0.00
8,800.0	3.05	238.79	8,792.1	-155.8	-257.0	-138.5	0.00	0.00	0.00
8,900.0	3.05	238.79	8,891.9	-158.5	-261.6	-140.9	0.00	0.00	0.00
9,000.0	3.05	238.79	8,991.8	-161.3	-266.2	-143.4	0.00	0.00	0.00
9,100.0	3.05	238.79	9,091.6	-164.0	-270.7	-145.8	0.00	0.00	0.00
9,200.0	3.05	238.79	9,191.5	-166.8	-275.3	-148.3	0.00	0.00	0.00
9,300.0	3.05	238.79	9,291.4	-169.6	-279.8	-150.8	0.00	0.00	0.00
9,400.0	3.05	238.79	9,391.2	-172.3	-284.4	-153.2	0.00	0.00	0.00
9,500.0	3.05	238.79	9,491.1	-175.1	-288.9	-155.7	0.00	0.00	0.00
9,600.0	3.05	238.79	9,590.9	-177.8	-293.5	-158.1	0.00	0.00	0.00
9,700.0	3.05	238.79	9,690.8	-180.6	-298.0	-160.6	0.00	0.00	0.00
9,800.0	3.05	238.79	9,790.7	-183.3	-302.6	-163.0	0.00	0.00	0.00
9,900.0	3.05	238.79	9,890.5	-186.1	-307.1	-165.5	0.00	0.00	0.00
10,000.0	3.05	238.79	9,990.4	-188.9	-311.7	-167.9	0.00	0.00	0.00
10,100.0	3.05	238.79	10,090.2	-191.6	-316.2	-170.4	0.00	0.00	0.00
10,200.0	3.05	238.79	10,190.1	-194.4	-320.8	-172.8	0.00	0.00	0.00
10,300.0	3.05	238.79	10,289.9	-197.1	-325.3	-175.3	0.00	0.00	0.00
10,400.0	3.05	238.79	10,389.8	-199.9	-329.9	-177.7	0.00	0.00	0.00
10,500.0	3.05	238.79	10,489.7	-202.7	-334.4	-180.2	0.00	0.00	0.00
10,600.0	3.05	238.79	10,589.5	-205.4	-339.0	-182.6	0.00	0.00	0.00
10,700.0	3.05	238.79	10,689.4	-208.2	-343.5	-185.1	0.00	0.00	0.00

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State Com
Well: #615H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #615H
KB = 25 @ 3365.0usft
KB = 25 @ 3365.0usft
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)
10,800.0	3.05	238.79	10,789.2	-210.9	-348.1	-187.5	0.00	0.00	0.00
10,900.0	3.05	238.79	10,889.1	-213.7	-352.6	-190.0	0.00	0.00	0.00
11,000.0	3.05	238.79	10,989.0	-216.4	-357.2	-192.4	0.00	0.00	0.00
11,100.0	3.05	238.79	11,088.8	-219.2	-361.7	-194.9	0.00	0.00	0.00
11,200.0	3.05	238.79	11,188.7	-222.0	-366.3	-197.3	0.00	0.00	0.00
11,300.0	3.05	238.79	11,288.5	-224.7	-370.8	-199.8	0.00	0.00	0.00
11,400.0	3.05	238.79	11,388.4	-227.5	-375.4	-202.2	0.00	0.00	0.00
11,500.0	3.05	238.79	11,488.2	-230.2	-379.9	-204.7	0.00	0.00	0.00
11,600.0	3.05	238.79	11,588.1	-233.0	-384.5	-207.2	0.00	0.00	0.00
11,700.0	3.05	238.79	11,688.0	-235.8	-389.0	-209.6	0.00	0.00	0.00
11,800.0	3.05	238.79	11,787.8	-238.5	-393.6	-212.1	0.00	0.00	0.00
11,900.0	3.05	238.79	11,887.7	-241.3	-398.1	-214.5	0.00	0.00	0.00
11,967.5	3.05	238.79	11,955.1	-243.1	-401.2	-216.2	0.00	0.00	0.00
11,975.0	2.70	255.46	11,962.6	-243.3	-401.6	-216.3	12.00	-4.62	221.85
12,000.0	3.52	311.32	11,987.5	-242.9	-402.7	-215.9	12.00	3.25	223.45
12,025.0	5.95	333.45	12,012.5	-241.3	-403.9	-214.1	12.00	9.74	88.50
12,050.0	8.74	342.19	12,037.2	-238.3	-405.0	-211.1	12.00	11.17	34.97
12,075.0	11.64	346.67	12,061.8	-234.0	-406.2	-206.7	12.00	11.58	17.92
12,100.0	14.58	349.37	12,086.2	-228.5	-407.3	-201.1	12.00	11.75	10.82
12,125.0	17.53	351.18	12,110.2	-221.7	-408.5	-194.3	12.00	11.83	7.24
12,150.0	20.50	352.48	12,133.9	-213.6	-409.7	-186.1	12.00	11.88	5.20
12,175.0	23.48	353.46	12,157.0	-204.3	-410.8	-176.8	12.00	11.91	3.93
12,200.0	26.46	354.24	12,179.7	-193.8	-411.9	-166.2	12.00	11.93	3.09
12,225.0	29.45	354.86	12,201.8	-182.1	-413.0	-154.5	12.00	11.94	2.51
12,250.0	32.44	355.38	12,223.2	-169.3	-414.1	-141.7	12.00	11.95	2.08
12,275.0	35.43	355.82	12,243.9	-155.4	-415.2	-127.7	12.00	11.96	1.77
12,300.0	38.42	356.21	12,263.9	-140.4	-416.2	-112.7	12.00	11.97	1.52
12,325.0	41.41	356.54	12,283.1	-124.4	-417.2	-96.7	12.00	11.97	1.34
12,350.0	44.40	356.84	12,301.4	-107.4	-418.2	-79.7	12.00	11.97	1.19
12,375.0	47.40	357.10	12,318.8	-89.5	-419.2	-61.7	12.00	11.98	1.07
12,400.0	50.39	357.34	12,335.2	-70.7	-420.1	-42.9	12.00	11.98	0.97
12,425.0	53.39	357.57	12,350.7	-51.1	-421.0	-23.2	12.00	11.98	0.89
12,450.0	56.38	357.77	12,365.0	-30.6	-421.8	-2.8	12.00	11.98	0.82
12,475.0	59.38	357.96	12,378.3	-9.5	-422.6	18.4	12.00	11.98	0.77
12,500.0	62.37	358.14	12,390.5	12.4	-423.3	40.2	12.00	11.98	0.72
12,525.0	65.37	358.31	12,401.5	34.8	-424.0	62.7	12.00	11.98	0.68
12,541.4	67.34	358.42	12,408.1	49.8	-424.4	77.7	12.00	11.99	0.65
FTP (Condor 32 SC #615H)									
12,550.0	68.37	358.48	12,411.3	57.8	-424.7	85.6	12.00	11.99	0.64
12,575.0	71.36	358.63	12,419.9	81.2	-425.2	109.1	12.00	11.99	0.62
12,600.0	74.36	358.78	12,427.3	105.1	-425.8	132.9	12.00	11.99	0.60
12,625.0	77.36	358.93	12,433.4	129.3	-426.3	157.2	12.00	11.99	0.58
12,650.0	80.35	359.07	12,438.2	153.9	-426.7	181.7	12.00	11.99	0.57
12,675.0	83.35	359.21	12,441.8	178.6	-427.1	206.4	12.00	11.99	0.56
12,700.0	86.35	359.35	12,444.0	203.5	-427.4	231.2	12.00	11.99	0.55
12,725.0	89.34	359.49	12,445.0	228.5	-427.6	256.2	12.00	11.99	0.55
12,730.5	90.00	359.52	12,445.0	234.0	-427.7	261.6	12.00	11.99	0.55
12,800.0	90.00	359.52	12,445.0	303.5	-428.3	331.0	0.00	0.00	0.00
12,900.0	90.00	359.52	12,445.0	403.5	-429.1	430.9	0.00	0.00	0.00
13,000.0	90.00	359.52	12,445.0	503.5	-430.0	530.7	0.00	0.00	0.00
13,100.0	90.00	359.52	12,445.0	603.5	-430.8	630.5	0.00	0.00	0.00
13,200.0	90.00	359.52	12,445.0	703.5	-431.6	730.4	0.00	0.00	0.00
13,300.0	90.00	359.52	12,445.0	803.5	-432.5	830.2	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 Com
 Well: #615H
 Wellbore: OH
 Design: Plan #0.1

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

Well #615H
 KB = 25 @ 3365.0usft
 KB = 25 @ 3365.0usft
 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)
13,400.0	90.00	359.52	12,445.0	903.5	-433.3	930.0	0.00	0.00	0.00
13,500.0	90.00	359.52	12,445.0	1,003.5	-434.2	1,029.9	0.00	0.00	0.00
13,600.0	90.00	359.52	12,445.0	1,103.5	-435.0	1,129.7	0.00	0.00	0.00
13,700.0	90.00	359.52	12,445.0	1,203.4	-435.9	1,229.6	0.00	0.00	0.00
13,800.0	90.00	359.52	12,445.0	1,303.4	-436.7	1,329.4	0.00	0.00	0.00
13,900.0	90.00	359.52	12,445.0	1,403.4	-437.5	1,429.2	0.00	0.00	0.00
14,000.0	90.00	359.52	12,445.0	1,503.4	-438.4	1,529.1	0.00	0.00	0.00
14,100.0	90.00	359.52	12,445.0	1,603.4	-439.2	1,628.9	0.00	0.00	0.00
14,200.0	90.00	359.52	12,445.0	1,703.4	-440.1	1,728.7	0.00	0.00	0.00
14,300.0	90.00	359.52	12,445.0	1,803.4	-440.9	1,828.6	0.00	0.00	0.00
14,400.0	90.00	359.52	12,445.0	1,903.4	-441.8	1,928.4	0.00	0.00	0.00
14,500.0	90.00	359.52	12,445.0	2,003.4	-442.6	2,028.2	0.00	0.00	0.00
14,600.0	90.00	359.52	12,445.0	2,103.4	-443.4	2,128.1	0.00	0.00	0.00
14,700.0	90.00	359.52	12,445.0	2,203.4	-444.3	2,227.9	0.00	0.00	0.00
14,800.0	90.00	359.52	12,445.0	2,303.4	-445.1	2,327.7	0.00	0.00	0.00
14,900.0	90.00	359.52	12,445.0	2,403.4	-446.0	2,427.6	0.00	0.00	0.00
15,000.0	90.00	359.52	12,445.0	2,503.4	-446.8	2,527.4	0.00	0.00	0.00
15,100.0	90.00	359.52	12,445.0	2,603.4	-447.7	2,627.2	0.00	0.00	0.00
15,200.0	90.00	359.52	12,445.0	2,703.4	-448.5	2,727.1	0.00	0.00	0.00
15,300.0	90.00	359.52	12,445.0	2,803.4	-449.3	2,826.9	0.00	0.00	0.00
15,400.0	90.00	359.52	12,445.0	2,903.4	-450.2	2,926.7	0.00	0.00	0.00
15,500.0	90.00	359.52	12,445.0	3,003.4	-451.0	3,026.6	0.00	0.00	0.00
15,600.0	90.00	359.52	12,445.0	3,103.4	-451.9	3,126.4	0.00	0.00	0.00
15,700.0	90.00	359.52	12,445.0	3,203.4	-452.7	3,226.2	0.00	0.00	0.00
15,800.0	90.00	359.52	12,445.0	3,303.4	-453.6	3,326.1	0.00	0.00	0.00
15,900.0	90.00	359.52	12,445.0	3,403.4	-454.4	3,425.9	0.00	0.00	0.00
16,000.0	90.00	359.52	12,445.0	3,503.4	-455.2	3,525.7	0.00	0.00	0.00
16,100.0	90.00	359.52	12,445.0	3,603.4	-456.1	3,625.6	0.00	0.00	0.00
16,200.0	90.00	359.52	12,445.0	3,703.4	-456.9	3,725.4	0.00	0.00	0.00
16,300.0	90.00	359.52	12,445.0	3,803.4	-457.8	3,825.3	0.00	0.00	0.00
16,400.0	90.00	359.52	12,445.0	3,903.4	-458.6	3,925.1	0.00	0.00	0.00
16,500.0	90.00	359.52	12,445.0	4,003.3	-459.5	4,024.9	0.00	0.00	0.00
16,600.0	90.00	359.52	12,445.0	4,103.3	-460.3	4,124.8	0.00	0.00	0.00
16,700.0	90.00	359.52	12,445.0	4,203.3	-461.1	4,224.6	0.00	0.00	0.00
16,800.0	90.00	359.52	12,445.0	4,303.3	-462.0	4,324.4	0.00	0.00	0.00
16,900.0	90.00	359.52	12,445.0	4,403.3	-462.8	4,424.3	0.00	0.00	0.00
17,000.0	90.00	359.52	12,445.0	4,503.3	-463.7	4,524.1	0.00	0.00	0.00
17,100.0	90.00	359.52	12,445.0	4,603.3	-464.5	4,623.9	0.00	0.00	0.00
17,200.0	90.00	359.52	12,445.0	4,703.3	-465.4	4,723.8	0.00	0.00	0.00
17,300.0	90.00	359.52	12,445.0	4,803.3	-466.2	4,823.6	0.00	0.00	0.00
17,400.0	90.00	359.52	12,445.0	4,903.3	-467.0	4,923.4	0.00	0.00	0.00
17,500.0	90.00	359.52	12,445.0	5,003.3	-467.9	5,023.3	0.00	0.00	0.00
17,600.0	90.00	359.52	12,445.0	5,103.3	-468.7	5,123.1	0.00	0.00	0.00
17,700.0	90.00	359.52	12,445.0	5,203.3	-469.6	5,222.9	0.00	0.00	0.00
17,800.0	90.00	359.52	12,445.0	5,303.3	-470.4	5,322.8	0.00	0.00	0.00
17,900.0	90.00	359.52	12,445.0	5,403.3	-471.3	5,422.6	0.00	0.00	0.00
18,000.0	90.00	359.52	12,445.0	5,503.3	-472.1	5,522.4	0.00	0.00	0.00
18,100.0	90.00	359.52	12,445.0	5,603.3	-472.9	5,622.3	0.00	0.00	0.00
18,200.0	90.00	359.52	12,445.0	5,703.3	-473.8	5,722.1	0.00	0.00	0.00
18,300.0	90.00	359.52	12,445.0	5,803.3	-474.6	5,821.9	0.00	0.00	0.00
18,400.0	90.00	359.52	12,445.0	5,903.3	-475.5	5,921.8	0.00	0.00	0.00
18,500.0	90.00	359.52	12,445.0	6,003.3	-476.3	6,021.6	0.00	0.00	0.00
18,600.0	90.00	359.52	12,445.0	6,103.3	-477.2	6,121.5	0.00	0.00	0.00
18,700.0	90.00	359.52	12,445.0	6,203.3	-478.0	6,221.3	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #615H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3365.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3365.0usft
Site:	Condor 32 State Com	North Reference:	Grid
Well:	#615H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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)	
18,800.0	90.00	359.52	12,445.0	6,303.3	-478.8	6,321.1	0.00	0.00	0.00	
18,900.0	90.00	359.52	12,445.0	6,403.3	-479.7	6,421.0	0.00	0.00	0.00	
19,000.0	90.00	359.52	12,445.0	6,503.3	-480.5	6,520.8	0.00	0.00	0.00	
19,100.0	90.00	359.52	12,445.0	6,603.3	-481.4	6,620.6	0.00	0.00	0.00	
19,200.0	90.00	359.52	12,445.0	6,703.3	-482.2	6,720.5	0.00	0.00	0.00	
19,300.0	90.00	359.52	12,445.0	6,803.2	-483.1	6,820.3	0.00	0.00	0.00	
19,400.0	90.00	359.52	12,445.0	6,903.2	-483.9	6,920.1	0.00	0.00	0.00	
19,500.0	90.00	359.52	12,445.0	7,003.2	-484.7	7,020.0	0.00	0.00	0.00	
19,600.0	90.00	359.52	12,445.0	7,103.2	-485.6	7,119.8	0.00	0.00	0.00	
19,700.0	90.00	359.52	12,445.0	7,203.2	-486.4	7,219.6	0.00	0.00	0.00	
19,800.0	90.00	359.52	12,445.0	7,303.2	-487.3	7,319.5	0.00	0.00	0.00	
19,886.8	90.00	359.52	12,445.0	7,390.0	-488.0	7,406.1	0.00	0.00	0.00	
PBHL (Condor 32 SC #615H)										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (Condor 32 SC #61	0.00	0.00	12,445.0	34.0	-426.0	394,083.00	800,894.00	32° 4' 50.312 N	103° 29' 43.083 W	
- hit/miss target										
- Shape										
- plan misses target center by 40.2usft at 12541.4usft MD (12408.1 TVD, 49.8 N, -424.4 E)										
- Point										
PBHL (Condor 32 SC #6	0.00	0.00	12,445.0	7,390.0	-488.0	401,439.00	800,832.00	32° 6' 3.106 N	103° 29' 43.139 W	
- hit/miss target										
- Shape										
- plan hits target center										
- Point										