eog resources

Lea County, NM (NAD 83 NME)

Condor 32 State Com #614H

Plan #0.2

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

Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.38°

Magnetic Field
Strength: 47787.6snT
Dip Angle: 59.93°
Date: 3/7/2018
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°

WELL DETAILS: #614H

3340.0
KB = 25 @ 3365.0usft

Northing	Easting	Latitude	Longitude
394082.00	801320.00	32° 4' 50.270 N	103° 29' 38.132 W

SECTION DETAILS

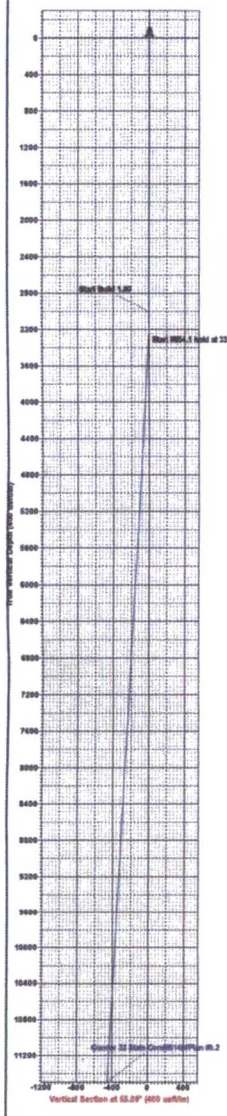
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3312.8	3.13	236.38	3312.6	-4.7	-7.1	1.00	236.38	-4.2	
4	11966.9	3.13	236.38	11953.8	-266.1	-400.3	0.00	0.00	-239.1	
5	12731.1	90.00	359.51	12445.0	210.9	-426.9	12.00	123.09	238.7	
6	19877.5	90.00	359.51	12445.0	7357.0	-488.0	0.00	0.00	7373.2	PBHL (Condor 32 SC #615H) permit

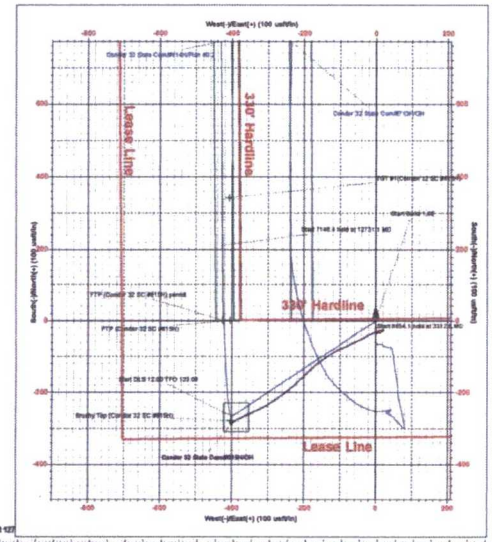
CASING DETAILS

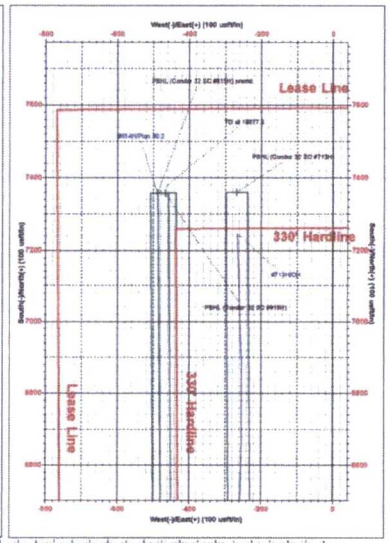
No casing data is available

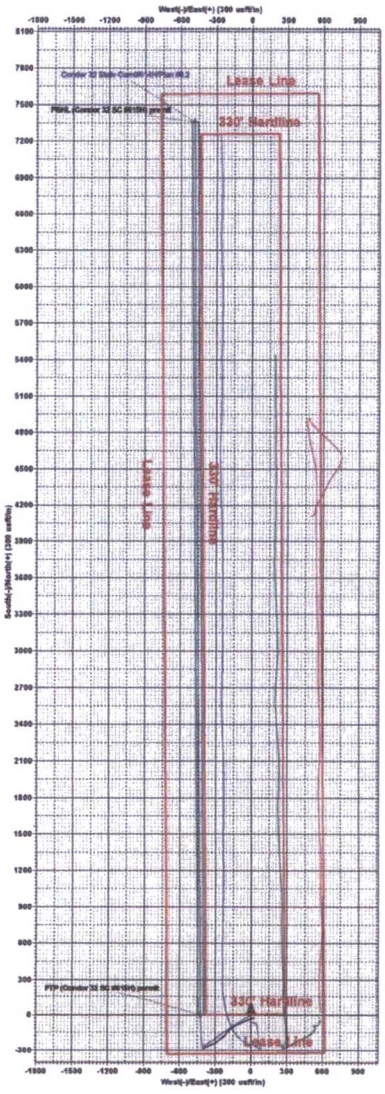
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

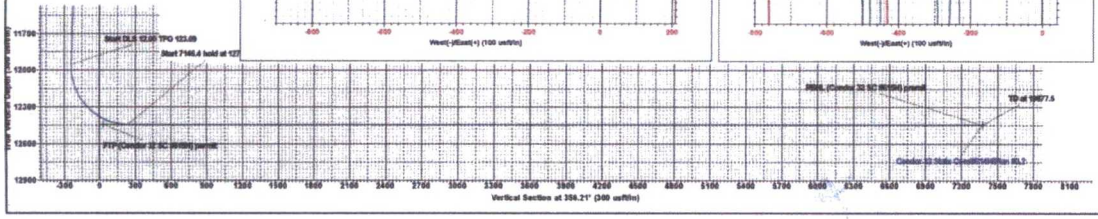
Name	TVD	+N/-S	+E/-W	Northing	Easting
Brushy Top (Condor 32 SC #615H)	7968.0	-279.0	-402.6	393803.01	800917.36
FTP (Condor 32 SC #615H) permit	12445.0	1.0	-426.0	394083.00	800894.00
PBHL (Condor 32 SC #615H)	12445.0	7357.0	-467.0	401439.00	800853.00
PBHL (Condor 32 SC #615H) premit	12445.0	7357.0	-488.0	401438.00	800832.00
TGT #4(Condor 32 SC #615H)	12472.0	4448.0	-442.5	398930.00	800877.52
TGT #3(Condor 32 SC #615H)	12482.0	2946.8	-429.8	397527.80	800890.18
TGT #2(Condor 32 SC #615H)	12492.0	1443.6	-417.2	396626.60	800902.84
FTP (Condor 32 SC #615H)	12495.0	1.0	-408.0	394083.00	800916.00
TGT #1(Condor 32 SC #615H)	12608.0	342.0	-407.9	394424.00	800912.13
PBHL (Condor 32 SC #713H)	12681.0	7359.0	-369.0	401441.00	801052.00

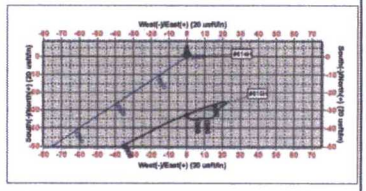


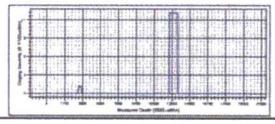












EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Condor 32 State Com
#614H

OH

Plan: Plan #0.2

Standard Planning Report

30 May, 2018

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #614H
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:	#614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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

Well	#614H					
Well Position	**+N/-S**	66.0 usft	**Northing:**	394,082.00 usft	**Latitude:**	32° 4' 50.270 N
	+E/-W	0.0 usft	**Easting:**	801,320.00 usft	**Longitude:**	103° 29' 38.132 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,340.0 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	3/7/2018	6.83	59.93	47,787.63352828

Design	Plan #0.2				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.0	0.0	0.0	356.21	

Plan Survey Tool Program **Date** 5/30/2018

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,876.5	Plan #0.2 (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	
3,312.8	3.13	236.38	3,312.6	-4.7	-7.1	1.00	1.00	0.00	236.38	
11,966.9	3.13	236.38	11,953.8	-266.1	-400.3	0.00	0.00	0.00	0.00	
12,731.1	90.00	359.51	12,445.0	210.9	-426.9	12.00	11.37	16.11	123.09	
19,877.5	90.00	359.51	12,445.0	7,357.0	-488.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 SC

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #614H
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:	#614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	236.38	3,100.0	-0.5	-0.7	-0.4	1.00	1.00	0.00
3,200.0	2.00	236.38	3,200.0	-1.9	-2.9	-1.7	1.00	1.00	0.00
3,300.0	3.00	236.38	3,299.9	-4.3	-6.5	-3.9	1.00	1.00	0.00
3,312.8	3.13	236.38	3,312.6	-4.7	-7.1	-4.2	1.00	1.00	0.00
3,400.0	3.13	236.38	3,399.7	-7.4	-11.1	-6.6	0.00	0.00	0.00
3,500.0	3.13	236.38	3,499.6	-10.4	-15.6	-9.3	0.00	0.00	0.00
3,600.0	3.13	236.38	3,599.4	-13.4	-20.2	-12.0	0.00	0.00	0.00
3,700.0	3.13	236.38	3,699.3	-16.4	-24.7	-14.8	0.00	0.00	0.00
3,800.0	3.13	236.38	3,799.1	-19.4	-29.2	-17.5	0.00	0.00	0.00
3,900.0	3.13	236.38	3,899.0	-22.5	-33.8	-20.2	0.00	0.00	0.00
4,000.0	3.13	236.38	3,998.8	-25.5	-38.3	-22.9	0.00	0.00	0.00
4,100.0	3.13	236.38	4,098.7	-28.5	-42.9	-25.6	0.00	0.00	0.00
4,200.0	3.13	236.38	4,198.5	-31.5	-47.4	-28.3	0.00	0.00	0.00
4,300.0	3.13	236.38	4,298.4	-34.5	-52.0	-31.0	0.00	0.00	0.00
4,400.0	3.13	236.38	4,398.2	-37.6	-56.5	-33.7	0.00	0.00	0.00
4,500.0	3.13	236.38	4,498.1	-40.6	-61.1	-36.5	0.00	0.00	0.00
4,600.0	3.13	236.38	4,597.9	-43.6	-65.6	-39.2	0.00	0.00	0.00
4,700.0	3.13	236.38	4,697.8	-46.6	-70.1	-41.9	0.00	0.00	0.00
4,800.0	3.13	236.38	4,797.6	-49.7	-74.7	-44.6	0.00	0.00	0.00
4,900.0	3.13	236.38	4,897.5	-52.7	-79.2	-47.3	0.00	0.00	0.00
5,000.0	3.13	236.38	4,997.3	-55.7	-83.8	-50.0	0.00	0.00	0.00
5,100.0	3.13	236.38	5,097.2	-58.7	-88.3	-52.7	0.00	0.00	0.00
5,200.0	3.13	236.38	5,197.0	-61.7	-92.9	-55.5	0.00	0.00	0.00

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Site:	Condor 32 State Com	**North Reference:**	Grid
Well:	#614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	3.13	236.38	5,296.9	-64.8	-97.4	-58.2	0.00	0.00	0.00
5,400.0	3.13	236.38	5,396.7	-67.8	-101.9	-60.9	0.00	0.00	0.00
5,500.0	3.13	236.38	5,496.6	-70.8	-106.5	-63.6	0.00	0.00	0.00
5,600.0	3.13	236.38	5,596.4	-73.8	-111.0	-66.3	0.00	0.00	0.00
5,700.0	3.13	236.38	5,696.3	-76.8	-115.6	-69.0	0.00	0.00	0.00
5,800.0	3.13	236.38	5,796.1	-79.9	-120.1	-71.7	0.00	0.00	0.00
5,900.0	3.13	236.38	5,896.0	-82.9	-124.7	-74.4	0.00	0.00	0.00
6,000.0	3.13	236.38	5,995.8	-85.9	-129.2	-77.2	0.00	0.00	0.00
6,100.0	3.13	236.38	6,095.7	-88.9	-133.8	-79.9	0.00	0.00	0.00
6,200.0	3.13	236.38	6,195.5	-91.9	-138.3	-82.6	0.00	0.00	0.00
6,300.0	3.13	236.38	6,295.4	-95.0	-142.8	-85.3	0.00	0.00	0.00
6,400.0	3.13	236.38	6,395.2	-98.0	-147.4	-88.0	0.00	0.00	0.00
6,500.0	3.13	236.38	6,495.1	-101.0	-151.9	-90.7	0.00	0.00	0.00
6,600.0	3.13	236.38	6,594.9	-104.0	-156.5	-93.4	0.00	0.00	0.00
6,700.0	3.13	236.38	6,694.8	-107.0	-161.0	-96.2	0.00	0.00	0.00
6,800.0	3.13	236.38	6,794.6	-110.1	-165.6	-98.9	0.00	0.00	0.00
6,900.0	3.13	236.38	6,894.5	-113.1	-170.1	-101.6	0.00	0.00	0.00
7,000.0	3.13	236.38	6,994.4	-116.1	-174.6	-104.3	0.00	0.00	0.00
7,100.0	3.13	236.38	7,094.2	-119.1	-179.2	-107.0	0.00	0.00	0.00
7,200.0	3.13	236.38	7,194.1	-122.2	-183.7	-109.7	0.00	0.00	0.00
7,300.0	3.13	236.38	7,293.9	-125.2	-188.3	-112.4	0.00	0.00	0.00
7,400.0	3.13	236.38	7,393.8	-128.2	-192.8	-115.1	0.00	0.00	0.00
7,500.0	3.13	236.38	7,493.6	-131.2	-197.4	-117.9	0.00	0.00	0.00
7,600.0	3.13	236.38	7,593.5	-134.2	-201.9	-120.6	0.00	0.00	0.00
7,700.0	3.13	236.38	7,693.3	-137.3	-206.5	-123.3	0.00	0.00	0.00
7,800.0	3.13	236.38	7,793.2	-140.3	-211.0	-126.0	0.00	0.00	0.00
7,900.0	3.13	236.38	7,893.0	-143.3	-215.5	-128.7	0.00	0.00	0.00
7,987.5	3.13	236.38	7,980.4	-145.9	-219.5	-131.1	0.00	0.00	0.00
Brushy Top (Condor 32 SC #615H)									
8,000.0	3.13	236.38	7,992.9	-146.3	-220.1	-131.4	0.00	0.00	0.00
8,100.0	3.13	236.38	8,092.7	-149.3	-224.6	-134.1	0.00	0.00	0.00
8,200.0	3.13	236.38	8,192.6	-152.4	-229.2	-136.9	0.00	0.00	0.00
8,300.0	3.13	236.38	8,292.4	-155.4	-233.7	-139.6	0.00	0.00	0.00
8,400.0	3.13	236.38	8,392.3	-158.4	-238.3	-142.3	0.00	0.00	0.00
8,500.0	3.13	236.38	8,492.1	-161.4	-242.8	-145.0	0.00	0.00	0.00
8,600.0	3.13	236.38	8,592.0	-164.4	-247.3	-147.7	0.00	0.00	0.00
8,700.0	3.13	236.38	8,691.8	-167.5	-251.9	-150.4	0.00	0.00	0.00
8,800.0	3.13	236.38	8,791.7	-170.5	-256.4	-153.1	0.00	0.00	0.00
8,900.0	3.13	236.38	8,891.5	-173.5	-261.0	-155.9	0.00	0.00	0.00
9,000.0	3.13	236.38	8,991.4	-176.5	-265.5	-158.6	0.00	0.00	0.00
9,100.0	3.13	236.38	9,091.2	-179.5	-270.1	-161.3	0.00	0.00	0.00
9,200.0	3.13	236.38	9,191.1	-182.6	-274.6	-164.0	0.00	0.00	0.00
9,300.0	3.13	236.38	9,290.9	-185.6	-279.2	-166.7	0.00	0.00	0.00
9,400.0	3.13	236.38	9,390.8	-188.6	-283.7	-169.4	0.00	0.00	0.00
9,500.0	3.13	236.38	9,490.6	-191.6	-288.2	-172.1	0.00	0.00	0.00
9,600.0	3.13	236.38	9,590.5	-194.7	-292.8	-174.8	0.00	0.00	0.00
9,700.0	3.13	236.38	9,690.3	-197.7	-297.3	-177.6	0.00	0.00	0.00
9,800.0	3.13	236.38	9,790.2	-200.7	-301.9	-180.3	0.00	0.00	0.00
9,900.0	3.13	236.38	9,890.0	-203.7	-306.4	-183.0	0.00	0.00	0.00
10,000.0	3.13	236.38	9,989.9	-206.7	-311.0	-185.7	0.00	0.00	0.00
10,100.0	3.13	236.38	10,089.7	-209.8	-315.5	-188.4	0.00	0.00	0.00
10,200.0	3.13	236.38	10,189.6	-212.8	-320.0	-191.1	0.00	0.00	0.00
10,300.0	3.13	236.38	10,289.4	-215.8	-324.6	-193.8	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #614H
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:	#614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
10,400.0	3.13	236.38	10,389.3	-218.8	-329.1	-196.6	0.00	0.00	0.00
10,500.0	3.13	236.38	10,489.1	-221.8	-333.7	-199.3	0.00	0.00	0.00
10,600.0	3.13	236.38	10,589.0	-224.9	-338.2	-202.0	0.00	0.00	0.00
10,700.0	3.13	236.38	10,688.8	-227.9	-342.8	-204.7	0.00	0.00	0.00
10,800.0	3.13	236.38	10,788.7	-230.9	-347.3	-207.4	0.00	0.00	0.00
10,900.0	3.13	236.38	10,888.5	-233.9	-351.9	-210.1	0.00	0.00	0.00
11,000.0	3.13	236.38	10,988.4	-236.9	-356.4	-212.8	0.00	0.00	0.00
11,100.0	3.13	236.38	11,088.2	-240.0	-360.9	-215.5	0.00	0.00	0.00
11,200.0	3.13	236.38	11,188.1	-243.0	-365.5	-218.3	0.00	0.00	0.00
11,300.0	3.13	236.38	11,287.9	-246.0	-370.0	-221.0	0.00	0.00	0.00
11,400.0	3.13	236.38	11,387.8	-249.0	-374.6	-223.7	0.00	0.00	0.00
11,500.0	3.13	236.38	11,487.6	-252.0	-379.1	-226.4	0.00	0.00	0.00
11,600.0	3.13	236.38	11,587.5	-255.1	-383.7	-229.1	0.00	0.00	0.00
11,700.0	3.13	236.38	11,687.4	-258.1	-388.2	-231.8	0.00	0.00	0.00
11,800.0	3.13	236.38	11,787.2	-261.1	-392.7	-234.5	0.00	0.00	0.00
11,900.0	3.13	236.38	11,887.1	-264.1	-397.3	-237.3	0.00	0.00	0.00
11,966.9	3.13	236.38	11,953.8	-266.1	-400.3	-239.1	0.00	0.00	0.00
11,975.0	2.72	253.90	11,961.9	-266.3	-400.7	-239.2	12.00	-5.00	215.16
12,000.0	3.47	310.42	11,986.9	-266.0	-401.8	-238.8	12.00	2.98	226.07
12,025.0	5.88	333.14	12,011.8	-264.4	-403.0	-237.1	12.00	9.67	90.89
12,050.0	8.67	342.05	12,036.6	-261.4	-404.2	-234.1	12.00	11.15	35.63
12,075.0	11.56	346.59	12,061.2	-257.2	-405.3	-229.8	12.00	11.58	18.16
12,100.0	14.50	349.32	12,085.6	-251.7	-406.5	-224.2	12.00	11.75	10.93
12,125.0	17.46	351.14	12,109.6	-244.9	-407.6	-217.4	12.00	11.83	7.30
12,150.0	20.43	352.45	12,133.3	-236.9	-408.8	-209.3	12.00	11.88	5.24
12,175.0	23.41	353.44	12,156.5	-227.6	-409.9	-200.0	12.00	11.91	3.95
12,200.0	26.39	354.22	12,179.1	-217.1	-411.1	-189.5	12.00	11.93	3.11
12,225.0	29.37	354.85	12,201.2	-205.5	-412.2	-177.8	12.00	11.94	2.52
12,250.0	32.36	355.37	12,222.7	-192.7	-413.3	-165.0	12.00	11.95	2.09
12,275.0	35.35	355.81	12,243.4	-178.8	-414.3	-151.0	12.00	11.96	1.77
12,300.0	38.34	356.19	12,263.4	-163.9	-415.4	-136.0	12.00	11.97	1.53
12,325.0	41.34	356.53	12,282.6	-147.9	-416.4	-120.0	12.00	11.97	1.34
12,350.0	44.33	356.82	12,301.0	-130.9	-417.4	-103.0	12.00	11.97	1.19
12,375.0	47.32	357.09	12,318.4	-113.0	-418.3	-85.1	12.00	11.98	1.07
12,400.0	50.32	357.33	12,334.8	-94.2	-419.2	-66.3	12.00	11.98	0.97
12,425.0	53.31	357.56	12,350.3	-74.6	-420.1	-46.6	12.00	11.98	0.89
12,450.0	56.31	357.76	12,364.7	-54.2	-420.9	-26.2	12.00	11.98	0.82
12,475.0	59.30	357.95	12,378.0	-33.1	-421.7	-5.1	12.00	11.98	0.77
12,500.0	62.30	358.13	12,390.2	-11.3	-422.5	16.7	12.00	11.98	0.72
12,525.0	65.30	358.30	12,401.3	11.2	-423.2	39.1	12.00	11.98	0.68
12,533.0	66.25	358.36	12,404.5	18.4	-423.4	46.4	12.00	11.98	0.66
FTP (Condor 32 SC #615H) permit									
12,550.0	68.29	358.47	12,411.1	34.1	-423.8	62.1	12.00	11.99	0.64
FTP (Condor 32 SC #615H)									
12,575.0	71.29	358.62	12,419.7	57.6	-424.4	85.5	12.00	11.99	0.62
12,600.0	74.29	358.77	12,427.1	81.4	-425.0	109.4	12.00	11.99	0.60
12,625.0	77.28	358.92	12,433.3	105.7	-425.4	133.6	12.00	11.99	0.58
12,650.0	80.28	359.06	12,438.1	130.2	-425.9	158.1	12.00	11.99	0.57
12,675.0	83.28	359.20	12,441.7	154.9	-426.3	182.8	12.00	11.99	0.56
12,700.0	86.27	359.34	12,444.0	179.8	-426.6	207.7	12.00	11.99	0.55
12,725.0	89.27	359.48	12,445.0	204.8	-426.8	232.6	12.00	11.99	0.55
12,731.1	90.00	359.51	12,445.0	210.9	-426.9	238.7	12.00	11.99	0.55
12,800.0	90.00	359.51	12,445.0	279.8	-427.5	307.5	0.00	0.00	0.00
12,862.0	90.00	359.51	12,445.0	341.8	-428.0	369.4	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #614H
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:	#614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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 #1(Condor 32 SC #615H)									
12,900.0	90.00	359.51	12,445.0	379.8	-428.3	407.3	0.00	0.00	0.00
13,000.0	90.00	359.51	12,445.0	479.8	-429.2	507.1	0.00	0.00	0.00
13,100.0	90.00	359.51	12,445.0	579.8	-430.0	607.0	0.00	0.00	0.00
13,200.0	90.00	359.51	12,445.0	679.8	-430.9	706.8	0.00	0.00	0.00
13,300.0	90.00	359.51	12,445.0	779.8	-431.7	806.6	0.00	0.00	0.00
13,400.0	90.00	359.51	12,445.0	879.8	-432.6	906.5	0.00	0.00	0.00
13,500.0	90.00	359.51	12,445.0	979.8	-433.5	1,006.3	0.00	0.00	0.00
13,600.0	90.00	359.51	12,445.0	1,079.8	-434.3	1,106.1	0.00	0.00	0.00
13,700.0	90.00	359.51	12,445.0	1,179.8	-435.2	1,206.0	0.00	0.00	0.00
13,800.0	90.00	359.51	12,445.0	1,279.8	-436.0	1,305.8	0.00	0.00	0.00
13,900.0	90.00	359.51	12,445.0	1,379.8	-436.9	1,405.6	0.00	0.00	0.00
13,963.7	90.00	359.51	12,445.0	1,443.4	-437.4	1,469.2	0.00	0.00	0.00
TGT #2(Condor 32 SC #615H)									
14,000.0	90.00	359.51	12,445.0	1,479.7	-437.7	1,505.5	0.00	0.00	0.00
14,100.0	90.00	359.51	12,445.0	1,579.7	-438.6	1,605.3	0.00	0.00	0.00
14,200.0	90.00	359.51	12,445.0	1,679.7	-439.4	1,705.1	0.00	0.00	0.00
14,300.0	90.00	359.51	12,445.0	1,779.7	-440.3	1,805.0	0.00	0.00	0.00
14,400.0	90.00	359.51	12,445.0	1,879.7	-441.2	1,904.8	0.00	0.00	0.00
14,500.0	90.00	359.51	12,445.0	1,979.7	-442.0	2,004.6	0.00	0.00	0.00
14,600.0	90.00	359.51	12,445.0	2,079.7	-442.9	2,104.5	0.00	0.00	0.00
14,700.0	90.00	359.51	12,445.0	2,179.7	-443.7	2,204.3	0.00	0.00	0.00
14,800.0	90.00	359.51	12,445.0	2,279.7	-444.6	2,304.1	0.00	0.00	0.00
14,900.0	90.00	359.51	12,445.0	2,379.7	-445.4	2,404.0	0.00	0.00	0.00
15,000.0	90.00	359.51	12,445.0	2,479.7	-446.3	2,503.8	0.00	0.00	0.00
15,100.0	90.00	359.51	12,445.0	2,579.7	-447.1	2,603.6	0.00	0.00	0.00
15,200.0	90.00	359.51	12,445.0	2,679.7	-448.0	2,703.5	0.00	0.00	0.00
15,300.0	90.00	359.51	12,445.0	2,779.7	-448.9	2,803.3	0.00	0.00	0.00
15,400.0	90.00	359.51	12,445.0	2,879.7	-449.7	2,903.1	0.00	0.00	0.00
15,465.9	90.00	359.51	12,445.0	2,945.6	-450.3	2,969.0	0.00	0.00	0.00
TGT #3(Condor 32 SC #615H)									
15,500.0	90.00	359.51	12,445.0	2,979.7	-450.6	3,003.0	0.00	0.00	0.00
15,600.0	90.00	359.51	12,445.0	3,079.7	-451.4	3,102.8	0.00	0.00	0.00
15,700.0	90.00	359.51	12,445.0	3,179.7	-452.3	3,202.6	0.00	0.00	0.00
15,800.0	90.00	359.51	12,445.0	3,279.7	-453.1	3,302.5	0.00	0.00	0.00
15,900.0	90.00	359.51	12,445.0	3,379.7	-454.0	3,402.3	0.00	0.00	0.00
16,000.0	90.00	359.51	12,445.0	3,479.7	-454.8	3,502.2	0.00	0.00	0.00
16,100.0	90.00	359.51	12,445.0	3,579.7	-455.7	3,602.0	0.00	0.00	0.00
16,200.0	90.00	359.51	12,445.0	3,679.7	-456.6	3,701.8	0.00	0.00	0.00
16,300.0	90.00	359.51	12,445.0	3,779.7	-457.4	3,801.7	0.00	0.00	0.00
16,400.0	90.00	359.51	12,445.0	3,879.7	-458.3	3,901.5	0.00	0.00	0.00
16,500.0	90.00	359.51	12,445.0	3,979.7	-459.1	4,001.3	0.00	0.00	0.00
16,600.0	90.00	359.51	12,445.0	4,079.7	-460.0	4,101.2	0.00	0.00	0.00
16,700.0	90.00	359.51	12,445.0	4,179.7	-460.8	4,201.0	0.00	0.00	0.00
16,800.0	90.00	359.51	12,445.0	4,279.6	-461.7	4,300.8	0.00	0.00	0.00
16,900.0	90.00	359.51	12,445.0	4,379.6	-462.5	4,400.7	0.00	0.00	0.00
16,968.2	90.00	359.51	12,445.0	4,447.8	-463.1	4,468.7	0.00	0.00	0.00
TGT #4(Condor 32 SC #615H)									
17,000.0	90.00	359.51	12,445.0	4,479.6	-463.4	4,500.5	0.00	0.00	0.00
17,100.0	90.00	359.51	12,445.0	4,579.6	-464.2	4,600.3	0.00	0.00	0.00
17,200.0	90.00	359.51	12,445.0	4,679.6	-465.1	4,700.2	0.00	0.00	0.00
17,300.0	90.00	359.51	12,445.0	4,779.6	-466.0	4,800.0	0.00	0.00	0.00
17,400.0	90.00	359.51	12,445.0	4,879.6	-466.8	4,899.8	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #614H
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:	#614H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)
17,500.0	90.00	359.51	12,445.0	4,979.6	-467.7	4,999.7	0.00	0.00	0.00
17,600.0	90.00	359.51	12,445.0	5,079.6	-468.5	5,099.5	0.00	0.00	0.00
17,700.0	90.00	359.51	12,445.0	5,179.6	-469.4	5,199.3	0.00	0.00	0.00
17,800.0	90.00	359.51	12,445.0	5,279.6	-470.2	5,299.2	0.00	0.00	0.00
17,900.0	90.00	359.51	12,445.0	5,379.6	-471.1	5,399.0	0.00	0.00	0.00
18,000.0	90.00	359.51	12,445.0	5,479.6	-471.9	5,498.8	0.00	0.00	0.00
18,100.0	90.00	359.51	12,445.0	5,579.6	-472.8	5,598.7	0.00	0.00	0.00
18,200.0	90.00	359.51	12,445.0	5,679.6	-473.7	5,698.5	0.00	0.00	0.00
18,300.0	90.00	359.51	12,445.0	5,779.6	-474.5	5,798.3	0.00	0.00	0.00
18,400.0	90.00	359.51	12,445.0	5,879.6	-475.4	5,898.2	0.00	0.00	0.00
18,500.0	90.00	359.51	12,445.0	5,979.6	-476.2	5,998.0	0.00	0.00	0.00
18,600.0	90.00	359.51	12,445.0	6,079.6	-477.1	6,097.8	0.00	0.00	0.00
18,700.0	90.00	359.51	12,445.0	6,179.6	-477.9	6,197.7	0.00	0.00	0.00
18,800.0	90.00	359.51	12,445.0	6,279.6	-478.8	6,297.5	0.00	0.00	0.00
18,900.0	90.00	359.51	12,445.0	6,379.6	-479.6	6,397.3	0.00	0.00	0.00
19,000.0	90.00	359.51	12,445.0	6,479.6	-480.5	6,497.2	0.00	0.00	0.00
19,100.0	90.00	359.51	12,445.0	6,579.6	-481.4	6,597.0	0.00	0.00	0.00
19,200.0	90.00	359.51	12,445.0	6,679.6	-482.2	6,696.8	0.00	0.00	0.00
19,300.0	90.00	359.51	12,445.0	6,779.6	-483.1	6,796.7	0.00	0.00	0.00
19,400.0	90.00	359.51	12,445.0	6,879.6	-483.9	6,896.5	0.00	0.00	0.00
19,500.0	90.00	359.51	12,445.0	6,979.5	-484.8	6,996.3	0.00	0.00	0.00
19,600.0	90.00	359.51	12,445.0	7,079.5	-485.6	7,096.2	0.00	0.00	0.00
19,700.0	90.00	359.51	12,445.0	7,179.5	-486.5	7,196.0	0.00	0.00	0.00
19,800.0	90.00	359.51	12,445.0	7,279.5	-487.3	7,295.8	0.00	0.00	0.00
19,877.3	90.00	359.51	12,445.0	7,356.8	-488.0	7,373.0	0.00	0.00	0.00
PBHL (Condor 32 SC #615H)									
19,877.5	90.00	359.51	12,445.0	7,357.0	-488.0	7,373.2	0.00	0.00	0.00

PBHL (Condor 32 SC #615H) premit - PBHL (Condor 32 SC #713H)

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 SC #6 - plan hits target center - Rectangle (sides W50.0 H0.0 D7,356.0)	90.00	359.51	12,445.0	7,357.0	-488.0	401,439.00	800,832.00	32° 6' 3.106 N	103° 29' 43.139 W
FTP (Condor 32 SC #61 - plan misses target center by 44.1usft at 12533.0usft MD (12404.5 TVD, 18.4 N, -423.4 E) - Point	0.00	0.00	12,445.0	1.0	-426.0	394,083.00	800,894.00	32° 4' 50.312 N	103° 29' 43.083 W