HOBBS OCD

APR 1 1 2018

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eog resources

Lea County, NM (NAD 83 NME)

Condor 32 State Com #712H

Plan #0.1

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

Magnetic Field
Strength: 47778.2nT
Dip Angle: 59.93°
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: #712H

3340.0
KB = 25 @ 3365.0usft

Northing	Easting	Latitude	Longitude
394054.00	801690.00	32° 4' 49.949 N	103° 29' 31.510 W

SECTION DETAILS

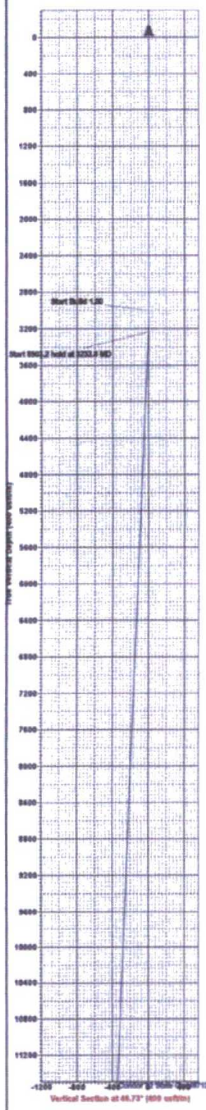
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3233.8	2.34	226.73	3233.7	-3.3	-3.5	1.00	226.73	-3.1	
4	12137.0	2.34	226.73	12129.5	-252.2	-267.9	0.00	0.00	-239.4	
5	12900.2	90.00	359.52	12620.0	225.0	-286.6	12.00	132.77	238.1	
6	20066.5	90.00	359.52	12620.0	7391.0	-346.0	0.00	0.00	7399.1	PBHL (Condor 32 SC #712H)

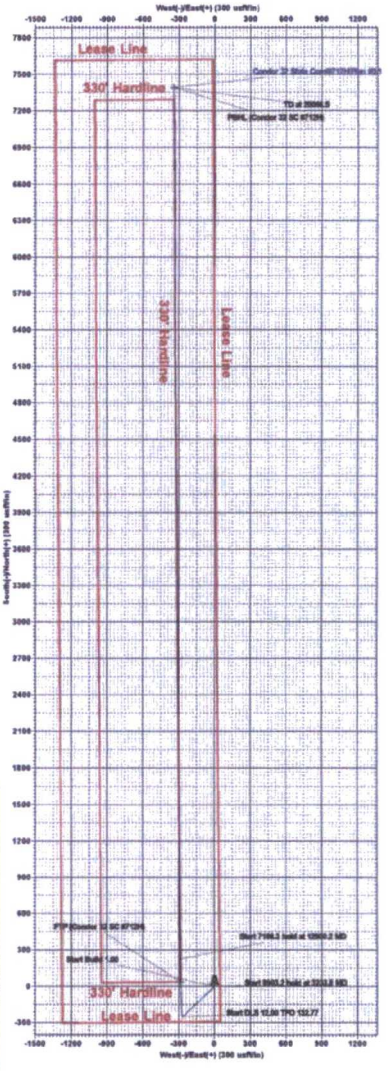
CASING DETAILS

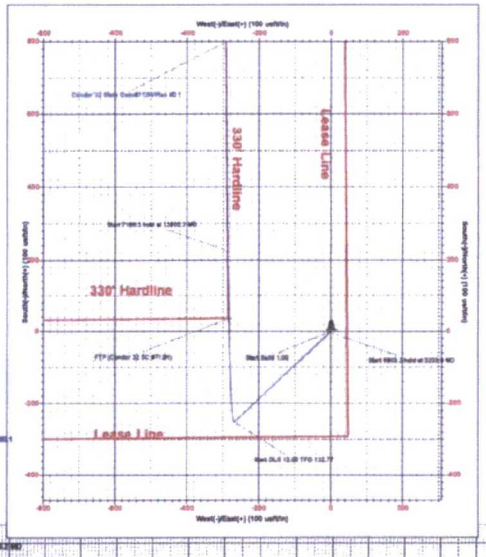
No casing data is available

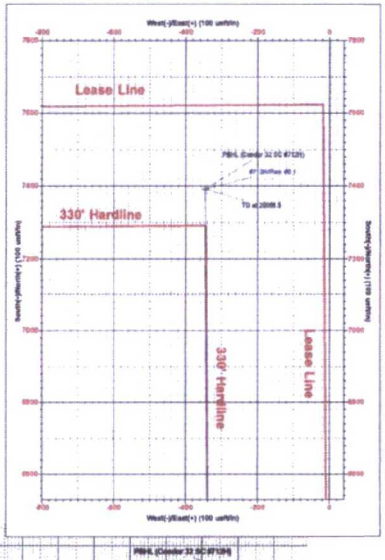
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

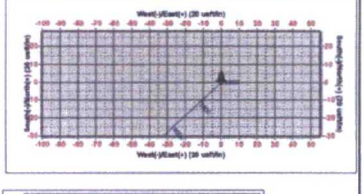
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Condor 32 SC #712H)	12620.0	35.0	-286.0	394089.00	801605.00
PBHL (Condor 32 SC #712H)	12620.0	7391.0	-346.0	401446.00	801644.00

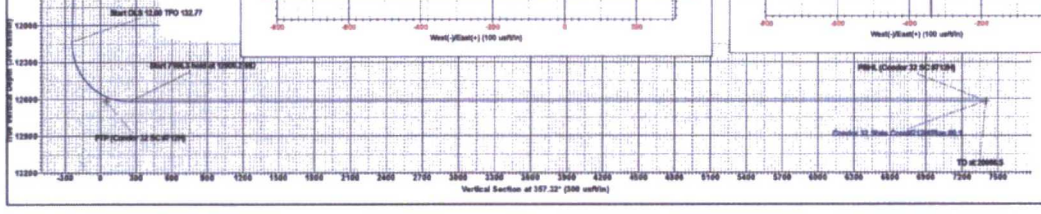


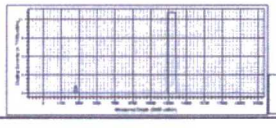












EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Condor 32 State Com
#712H

OH

Plan: Plan #0.1

Standard Planning Report

10 April, 2018

eog resources

Planning Report

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #712H
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:	#712H	**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	**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	#712H				
Well Position	**+N/-S**	38.0 usft	**Northing:**	394,054.00 usft	**Latitude:**	32° 4' 49.949 N
	+E/-W	570.0 usft	**Easting:**	801,890.00 usft	**Longitude:**	103° 29' 31.510 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	4/10/2018	6.82	59.93	47,778.20663590

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	357.32

Plan Survey Tool Program **Date** 4/10/2018

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,066.5	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	
3,233.8	2.34	226.73	3,233.7	-3.3	-3.5	1.00	1.00	0.00	226.73	
12,137.0	2.34	226.73	12,129.5	-252.2	-267.9	0.00	0.00	0.00	0.00	
12,900.2	90.00	359.52	12,620.0	225.0	-286.6	12.00	11.49	17.40	132.77	
20,066.5	90.00	359.52	12,620.0	7,391.0	-346.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 SC

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #712H
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:	#712H	**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)
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	226.73	3,100.0	-0.6	-0.6	-0.6	1.00	1.00	0.00
3,200.0	2.00	226.73	3,200.0	-2.4	-2.5	-2.3	1.00	1.00	0.00
3,233.8	2.34	226.73	3,233.7	-3.3	-3.5	-3.1	1.00	1.00	0.00
3,300.0	2.34	226.73	3,299.9	-5.1	-5.4	-4.9	0.00	0.00	0.00
3,400.0	2.34	226.73	3,399.8	-7.9	-8.4	-7.5	0.00	0.00	0.00
3,500.0	2.34	226.73	3,499.7	-10.7	-11.4	-10.2	0.00	0.00	0.00
3,600.0	2.34	226.73	3,599.6	-13.5	-14.4	-12.8	0.00	0.00	0.00
3,700.0	2.34	226.73	3,699.5	-16.3	-17.3	-15.5	0.00	0.00	0.00
3,800.0	2.34	226.73	3,799.5	-19.1	-20.3	-18.1	0.00	0.00	0.00
3,900.0	2.34	226.73	3,899.4	-21.9	-23.3	-20.8	0.00	0.00	0.00
4,000.0	2.34	226.73	3,999.3	-24.7	-26.2	-23.4	0.00	0.00	0.00
4,100.0	2.34	226.73	4,099.2	-27.5	-29.2	-26.1	0.00	0.00	0.00
4,200.0	2.34	226.73	4,199.1	-30.3	-32.2	-28.7	0.00	0.00	0.00
4,300.0	2.34	226.73	4,299.0	-33.1	-35.1	-31.4	0.00	0.00	0.00
4,400.0	2.34	226.73	4,399.0	-35.9	-38.1	-34.1	0.00	0.00	0.00
4,500.0	2.34	226.73	4,498.9	-38.7	-41.1	-36.7	0.00	0.00	0.00
4,600.0	2.34	226.73	4,598.8	-41.5	-44.1	-39.4	0.00	0.00	0.00
4,700.0	2.34	226.73	4,698.7	-44.3	-47.0	-42.0	0.00	0.00	0.00
4,800.0	2.34	226.73	4,798.6	-47.1	-50.0	-44.7	0.00	0.00	0.00
4,900.0	2.34	226.73	4,898.5	-49.9	-53.0	-47.3	0.00	0.00	0.00
5,000.0	2.34	226.73	4,998.5	-52.6	-55.9	-50.0	0.00	0.00	0.00
5,100.0	2.34	226.73	5,098.4	-55.4	-58.9	-52.6	0.00	0.00	0.00
5,200.0	2.34	226.73	5,198.3	-58.2	-61.9	-55.3	0.00	0.00	0.00

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Site:	Condor 32 State Com	**North Reference:**	Grid
Well:	#712H	**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)
5,300.0	2.34	226.73	5,298.2	-61.0	-64.8	-57.9	0.00	0.00	0.00
5,400.0	2.34	226.73	5,398.1	-63.8	-67.8	-60.6	0.00	0.00	0.00
5,500.0	2.34	226.73	5,498.0	-66.6	-70.8	-63.2	0.00	0.00	0.00
5,600.0	2.34	226.73	5,598.0	-69.4	-73.8	-65.9	0.00	0.00	0.00
5,700.0	2.34	226.73	5,697.9	-72.2	-76.7	-68.5	0.00	0.00	0.00
5,800.0	2.34	226.73	5,797.8	-75.0	-79.7	-71.2	0.00	0.00	0.00
5,900.0	2.34	226.73	5,897.7	-77.8	-82.7	-73.9	0.00	0.00	0.00
6,000.0	2.34	226.73	5,997.6	-80.6	-85.6	-76.5	0.00	0.00	0.00
6,100.0	2.34	226.73	6,097.5	-83.4	-88.6	-79.2	0.00	0.00	0.00
6,200.0	2.34	226.73	6,197.5	-86.2	-91.6	-81.8	0.00	0.00	0.00
6,300.0	2.34	226.73	6,297.4	-89.0	-94.5	-84.5	0.00	0.00	0.00
6,400.0	2.34	226.73	6,397.3	-91.8	-97.5	-87.1	0.00	0.00	0.00
6,500.0	2.34	226.73	6,497.2	-94.6	-100.5	-89.8	0.00	0.00	0.00
6,600.0	2.34	226.73	6,597.1	-97.4	-103.5	-92.4	0.00	0.00	0.00
6,700.0	2.34	226.73	6,697.1	-100.2	-106.4	-95.1	0.00	0.00	0.00
6,800.0	2.34	226.73	6,797.0	-103.0	-109.4	-97.7	0.00	0.00	0.00
6,900.0	2.34	226.73	6,896.9	-105.8	-112.4	-100.4	0.00	0.00	0.00
7,000.0	2.34	226.73	6,996.8	-108.6	-115.3	-103.0	0.00	0.00	0.00
7,100.0	2.34	226.73	7,096.7	-111.4	-118.3	-105.7	0.00	0.00	0.00
7,200.0	2.34	226.73	7,196.6	-114.2	-121.3	-108.4	0.00	0.00	0.00
7,300.0	2.34	226.73	7,296.6	-116.9	-124.3	-111.0	0.00	0.00	0.00
7,400.0	2.34	226.73	7,396.5	-119.7	-127.2	-113.7	0.00	0.00	0.00
7,500.0	2.34	226.73	7,496.4	-122.5	-130.2	-116.3	0.00	0.00	0.00
7,600.0	2.34	226.73	7,596.3	-125.3	-133.2	-119.0	0.00	0.00	0.00
7,700.0	2.34	226.73	7,696.2	-128.1	-136.1	-121.6	0.00	0.00	0.00
7,800.0	2.34	226.73	7,796.1	-130.9	-139.1	-124.3	0.00	0.00	0.00
7,900.0	2.34	226.73	7,896.1	-133.7	-142.1	-126.9	0.00	0.00	0.00
8,000.0	2.34	226.73	7,996.0	-136.5	-145.0	-129.6	0.00	0.00	0.00
8,100.0	2.34	226.73	8,095.9	-139.3	-148.0	-132.2	0.00	0.00	0.00
8,200.0	2.34	226.73	8,195.8	-142.1	-151.0	-134.9	0.00	0.00	0.00
8,300.0	2.34	226.73	8,295.7	-144.9	-154.0	-137.5	0.00	0.00	0.00
8,400.0	2.34	226.73	8,395.6	-147.7	-156.9	-140.2	0.00	0.00	0.00
8,500.0	2.34	226.73	8,495.6	-150.5	-159.9	-142.9	0.00	0.00	0.00
8,600.0	2.34	226.73	8,595.5	-153.3	-162.9	-145.5	0.00	0.00	0.00
8,700.0	2.34	226.73	8,695.4	-156.1	-165.8	-148.2	0.00	0.00	0.00
8,800.0	2.34	226.73	8,795.3	-158.9	-168.8	-150.8	0.00	0.00	0.00
8,900.0	2.34	226.73	8,895.2	-161.7	-171.8	-153.5	0.00	0.00	0.00
9,000.0	2.34	226.73	8,995.1	-164.5	-174.7	-156.1	0.00	0.00	0.00
9,100.0	2.34	226.73	9,095.1	-167.3	-177.7	-158.8	0.00	0.00	0.00
9,200.0	2.34	226.73	9,195.0	-170.1	-180.7	-161.4	0.00	0.00	0.00
9,300.0	2.34	226.73	9,294.9	-172.9	-183.7	-164.1	0.00	0.00	0.00
9,400.0	2.34	226.73	9,394.8	-175.7	-186.6	-166.7	0.00	0.00	0.00
9,500.0	2.34	226.73	9,494.7	-178.5	-189.6	-169.4	0.00	0.00	0.00
9,600.0	2.34	226.73	9,594.6	-181.2	-192.6	-172.0	0.00	0.00	0.00
9,700.0	2.34	226.73	9,694.6	-184.0	-195.5	-174.7	0.00	0.00	0.00
9,800.0	2.34	226.73	9,794.5	-186.8	-198.5	-177.4	0.00	0.00	0.00
9,900.0	2.34	226.73	9,894.4	-189.6	-201.5	-180.0	0.00	0.00	0.00
10,000.0	2.34	226.73	9,994.3	-192.4	-204.4	-182.7	0.00	0.00	0.00
10,100.0	2.34	226.73	10,094.2	-195.2	-207.4	-185.3	0.00	0.00	0.00
10,200.0	2.34	226.73	10,194.1	-198.0	-210.4	-188.0	0.00	0.00	0.00
10,300.0	2.34	226.73	10,294.1	-200.8	-213.4	-190.6	0.00	0.00	0.00
10,400.0	2.34	226.73	10,394.0	-203.6	-216.3	-193.3	0.00	0.00	0.00
10,500.0	2.34	226.73	10,493.9	-206.4	-219.3	-195.9	0.00	0.00	0.00
10,600.0	2.34	226.73	10,593.8	-209.2	-222.3	-198.6	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #712H
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:	#712H	**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)
10,700.0	2.34	226.73	10,693.7	-212.0	-225.2	-201.2	0.00	0.00	0.00
10,800.0	2.34	226.73	10,793.6	-214.8	-228.2	-203.9	0.00	0.00	0.00
10,900.0	2.34	226.73	10,893.6	-217.6	-231.2	-206.5	0.00	0.00	0.00
11,000.0	2.34	226.73	10,993.5	-220.4	-234.2	-209.2	0.00	0.00	0.00
11,100.0	2.34	226.73	11,093.4	-223.2	-237.1	-211.9	0.00	0.00	0.00
11,200.0	2.34	226.73	11,193.3	-226.0	-240.1	-214.5	0.00	0.00	0.00
11,300.0	2.34	226.73	11,293.2	-228.8	-243.1	-217.2	0.00	0.00	0.00
11,400.0	2.34	226.73	11,393.1	-231.6	-246.0	-219.8	0.00	0.00	0.00
11,500.0	2.34	226.73	11,493.1	-234.4	-249.0	-222.5	0.00	0.00	0.00
11,600.0	2.34	226.73	11,593.0	-237.2	-252.0	-225.1	0.00	0.00	0.00
11,700.0	2.34	226.73	11,692.9	-240.0	-254.9	-227.8	0.00	0.00	0.00
11,800.0	2.34	226.73	11,792.8	-242.8	-257.9	-230.4	0.00	0.00	0.00
11,900.0	2.34	226.73	11,892.7	-245.5	-260.9	-233.1	0.00	0.00	0.00
12,000.0	2.34	226.73	11,992.6	-248.3	-263.9	-235.7	0.00	0.00	0.00
12,100.0	2.34	226.73	12,092.6	-251.1	-266.8	-238.4	0.00	0.00	0.00
12,137.0	2.34	226.73	12,129.5	-252.2	-267.9	-239.4	0.00	0.00	0.00
12,150.0	1.72	268.60	12,142.5	-252.4	-268.3	-239.5	12.00	-4.78	322.01
12,175.0	3.43	329.55	12,167.5	-251.7	-269.1	-238.9	12.00	6.86	243.82
12,200.0	6.21	343.55	12,192.4	-249.8	-269.8	-236.9	12.00	11.13	56.00
12,225.0	9.13	348.79	12,217.2	-246.5	-270.6	-233.6	12.00	11.68	20.94
12,250.0	12.09	351.49	12,241.7	-242.0	-271.4	-229.0	12.00	11.84	10.80
12,275.0	15.07	353.14	12,266.0	-236.2	-272.1	-223.2	12.00	11.90	6.60
12,300.0	18.05	354.25	12,290.0	-229.1	-272.9	-216.1	12.00	11.93	4.46
12,325.0	21.04	355.06	12,313.6	-220.8	-273.7	-207.7	12.00	11.95	3.23
12,350.0	24.03	355.67	12,336.7	-211.2	-274.5	-198.2	12.00	11.96	2.46
12,375.0	27.02	356.16	12,359.2	-200.5	-275.2	-187.4	12.00	11.97	1.94
12,400.0	30.02	356.55	12,381.2	-188.6	-276.0	-175.5	12.00	11.98	1.58
12,425.0	33.01	356.88	12,402.5	-175.5	-276.7	-162.4	12.00	11.98	1.32
12,450.0	36.01	357.16	12,423.1	-161.4	-277.5	-148.2	12.00	11.98	1.12
12,475.0	39.00	357.40	12,442.9	-146.2	-278.2	-133.0	12.00	11.99	0.97
12,500.0	42.00	357.62	12,461.9	-130.0	-278.9	-116.8	12.00	11.99	0.85
12,525.0	45.00	357.81	12,480.1	-112.8	-279.6	-99.6	12.00	11.99	0.76
12,550.0	48.00	357.98	12,497.3	-94.6	-280.2	-81.4	12.00	11.99	0.68
12,575.0	50.99	358.13	12,513.5	-75.7	-280.9	-62.4	12.00	11.99	0.62
12,600.0	53.99	358.28	12,528.7	-55.8	-281.5	-42.6	12.00	11.99	0.57
12,625.0	56.99	358.41	12,542.9	-35.2	-282.1	-22.0	12.00	11.99	0.53
12,650.0	59.99	358.53	12,555.9	-13.9	-282.7	-0.7	12.00	11.99	0.49
12,675.0	62.99	358.65	12,567.9	8.0	-283.2	21.3	12.00	11.99	0.47
12,700.0	65.98	358.76	12,578.6	30.6	-283.7	43.8	12.00	11.99	0.44
12,720.0	68.38	358.84	12,586.4	49.0	-284.1	62.2	12.00	11.99	0.42
FTP (Condor 32 SC #712H)									
12,725.0	68.98	358.87	12,588.2	53.7	-284.2	66.9	12.00	11.99	0.41
12,750.0	71.98	358.97	12,596.6	77.2	-284.6	90.4	12.00	11.99	0.40
12,775.0	74.98	359.06	12,603.7	101.2	-285.1	114.4	12.00	11.99	0.39
12,800.0	77.98	359.16	12,609.5	125.5	-285.4	138.7	12.00	11.99	0.38
12,825.0	80.98	359.25	12,614.1	150.1	-285.8	163.3	12.00	11.99	0.37
12,850.0	83.97	359.34	12,617.4	174.8	-286.1	188.0	12.00	11.99	0.37
12,875.0	86.97	359.43	12,619.3	199.8	-286.3	212.9	12.00	11.99	0.36
12,900.2	90.00	359.52	12,620.0	225.0	-286.6	238.1	12.00	11.99	0.36
13,000.0	90.00	359.52	12,620.0	324.7	-287.4	337.8	0.00	0.00	0.00
13,100.0	90.00	359.52	12,620.0	424.7	-288.2	437.7	0.00	0.00	0.00
13,200.0	90.00	359.52	12,620.0	524.7	-289.1	537.7	0.00	0.00	0.00
13,300.0	90.00	359.52	12,620.0	624.7	-289.9	637.6	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #712H
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:	#712H	**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)
13,400.0	90.00	359.52	12,620.0	724.7	-290.7	737.5	0.00	0.00	0.00
13,500.0	90.00	359.52	12,620.0	824.7	-291.5	837.4	0.00	0.00	0.00
13,600.0	90.00	359.52	12,620.0	924.7	-292.4	937.4	0.00	0.00	0.00
13,700.0	90.00	359.52	12,620.0	1,024.7	-293.2	1,037.3	0.00	0.00	0.00
13,800.0	90.00	359.52	12,620.0	1,124.7	-294.0	1,137.2	0.00	0.00	0.00
13,900.0	90.00	359.52	12,620.0	1,224.7	-294.9	1,237.2	0.00	0.00	0.00
14,000.0	90.00	359.52	12,620.0	1,324.7	-295.7	1,337.1	0.00	0.00	0.00
14,100.0	90.00	359.52	12,620.0	1,424.7	-296.5	1,437.0	0.00	0.00	0.00
14,200.0	90.00	359.52	12,620.0	1,524.7	-297.4	1,536.9	0.00	0.00	0.00
14,300.0	90.00	359.52	12,620.0	1,624.7	-298.2	1,636.9	0.00	0.00	0.00
14,400.0	90.00	359.52	12,620.0	1,724.7	-299.0	1,736.8	0.00	0.00	0.00
14,500.0	90.00	359.52	12,620.0	1,824.7	-299.8	1,836.7	0.00	0.00	0.00
14,600.0	90.00	359.52	12,620.0	1,924.7	-300.7	1,936.6	0.00	0.00	0.00
14,700.0	90.00	359.52	12,620.0	2,024.7	-301.5	2,036.6	0.00	0.00	0.00
14,800.0	90.00	359.52	12,620.0	2,124.7	-302.3	2,136.5	0.00	0.00	0.00
14,900.0	90.00	359.52	12,620.0	2,224.7	-303.2	2,236.4	0.00	0.00	0.00
15,000.0	90.00	359.52	12,620.0	2,324.7	-304.0	2,336.3	0.00	0.00	0.00
15,100.0	90.00	359.52	12,620.0	2,424.7	-304.8	2,436.3	0.00	0.00	0.00
15,200.0	90.00	359.52	12,620.0	2,524.7	-305.6	2,536.2	0.00	0.00	0.00
15,300.0	90.00	359.52	12,620.0	2,624.7	-306.5	2,636.1	0.00	0.00	0.00
15,400.0	90.00	359.52	12,620.0	2,724.7	-307.3	2,736.0	0.00	0.00	0.00
15,500.0	90.00	359.52	12,620.0	2,824.6	-308.1	2,836.0	0.00	0.00	0.00
15,600.0	90.00	359.52	12,620.0	2,924.6	-309.0	2,935.9	0.00	0.00	0.00
15,700.0	90.00	359.52	12,620.0	3,024.6	-309.8	3,035.8	0.00	0.00	0.00
15,800.0	90.00	359.52	12,620.0	3,124.6	-310.6	3,135.7	0.00	0.00	0.00
15,900.0	90.00	359.52	12,620.0	3,224.6	-311.5	3,235.7	0.00	0.00	0.00
16,000.0	90.00	359.52	12,620.0	3,324.6	-312.3	3,335.6	0.00	0.00	0.00
16,100.0	90.00	359.52	12,620.0	3,424.6	-313.1	3,435.5	0.00	0.00	0.00
16,200.0	90.00	359.52	12,620.0	3,524.6	-313.9	3,535.4	0.00	0.00	0.00
16,300.0	90.00	359.52	12,620.0	3,624.6	-314.8	3,635.4	0.00	0.00	0.00
16,400.0	90.00	359.52	12,620.0	3,724.6	-315.6	3,735.3	0.00	0.00	0.00
16,500.0	90.00	359.52	12,620.0	3,824.6	-316.4	3,835.2	0.00	0.00	0.00
16,600.0	90.00	359.52	12,620.0	3,924.6	-317.3	3,935.2	0.00	0.00	0.00
16,700.0	90.00	359.52	12,620.0	4,024.6	-318.1	4,035.1	0.00	0.00	0.00
16,800.0	90.00	359.52	12,620.0	4,124.6	-318.9	4,135.0	0.00	0.00	0.00
16,900.0	90.00	359.52	12,620.0	4,224.6	-319.7	4,234.9	0.00	0.00	0.00
17,000.0	90.00	359.52	12,620.0	4,324.6	-320.6	4,334.9	0.00	0.00	0.00
17,100.0	90.00	359.52	12,620.0	4,424.6	-321.4	4,434.8	0.00	0.00	0.00
17,200.0	90.00	359.52	12,620.0	4,524.6	-322.2	4,534.7	0.00	0.00	0.00
17,300.0	90.00	359.52	12,620.0	4,624.6	-323.1	4,634.6	0.00	0.00	0.00
17,400.0	90.00	359.52	12,620.0	4,724.6	-323.9	4,734.6	0.00	0.00	0.00
17,500.0	90.00	359.52	12,620.0	4,824.6	-324.7	4,834.5	0.00	0.00	0.00
17,600.0	90.00	359.52	12,620.0	4,924.6	-325.5	4,934.4	0.00	0.00	0.00
17,700.0	90.00	359.52	12,620.0	5,024.6	-326.4	5,034.3	0.00	0.00	0.00
17,800.0	90.00	359.52	12,620.0	5,124.6	-327.2	5,134.3	0.00	0.00	0.00
17,900.0	90.00	359.52	12,620.0	5,224.6	-328.0	5,234.2	0.00	0.00	0.00
18,000.0	90.00	359.52	12,620.0	5,324.6	-328.9	5,334.1	0.00	0.00	0.00
18,100.0	90.00	359.52	12,620.0	5,424.6	-329.7	5,434.0	0.00	0.00	0.00
18,200.0	90.00	359.52	12,620.0	5,524.6	-330.5	5,534.0	0.00	0.00	0.00
18,300.0	90.00	359.52	12,620.0	5,624.6	-331.4	5,633.9	0.00	0.00	0.00
18,400.0	90.00	359.52	12,620.0	5,724.5	-332.2	5,733.8	0.00	0.00	0.00
18,500.0	90.00	359.52	12,620.0	5,824.5	-333.0	5,833.7	0.00	0.00	0.00
18,600.0	90.00	359.52	12,620.0	5,924.5	-333.8	5,933.7	0.00	0.00	0.00
18,700.0	90.00	359.52	12,620.0	6,024.5	-334.7	6,033.6	0.00	0.00	0.00

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #712H
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:	#712H	**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	12,620.0	6,124.5	-335.5	6,133.5	0.00	0.00	0.00
18,900.0	90.00	359.52	12,620.0	6,224.5	-336.3	6,233.4	0.00	0.00	0.00
19,000.0	90.00	359.52	12,620.0	6,324.5	-337.2	6,333.4	0.00	0.00	0.00
19,100.0	90.00	359.52	12,620.0	6,424.5	-338.0	6,433.3	0.00	0.00	0.00
19,200.0	90.00	359.52	12,620.0	6,524.5	-338.8	6,533.2	0.00	0.00	0.00
19,300.0	90.00	359.52	12,620.0	6,624.5	-339.6	6,633.2	0.00	0.00	0.00
19,400.0	90.00	359.52	12,620.0	6,724.5	-340.5	6,733.1	0.00	0.00	0.00
19,500.0	90.00	359.52	12,620.0	6,824.5	-341.3	6,833.0	0.00	0.00	0.00
19,600.0	90.00	359.52	12,620.0	6,924.5	-342.1	6,932.9	0.00	0.00	0.00
19,700.0	90.00	359.52	12,620.0	7,024.5	-343.0	7,032.9	0.00	0.00	0.00
19,800.0	90.00	359.52	12,620.0	7,124.5	-343.8	7,132.8	0.00	0.00	0.00
19,900.0	90.00	359.52	12,620.0	7,224.5	-344.6	7,232.7	0.00	0.00	0.00
20,000.0	90.00	359.52	12,620.0	7,324.5	-345.4	7,332.6	0.00	0.00	0.00
20,066.5	90.00	359.52	12,620.0	7,391.0	-346.0	7,399.1	0.00	0.00	0.00
PBHL (Condor 32 SC #712H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Condor 32 SC #71	0.00	0.00	12,620.0	35.0	-285.0	394,089.00	801,605.00	32° 4' 50.317 N	103° 29' 34.819 W
- plan misses target center by 36.4usft at 12720.0usft MD (12586.4 TVD, 49.0 N, -284.1 E)									
- Point									
PBHL (Condor 32 SC #7	0.00	0.00	12,620.0	7,391.0	-346.0	401,445.00	801,544.00	32° 6' 3.111 N	103° 29' 34.862 W
- plan hits target center									
- Point									