



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State Com

#718H

OH

Plan: Plan #0.2

Standard Planning Report

02 January, 2019

HOBBS OCD
JAN 07 2019
RECEIVED

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #718H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3354.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3354.0usft
Site:	Condor 32 State Com	North Reference:	Grid
Well:	#718H	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
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	#718H		
Well Position	+N/-S	145.0 usft	Northing:
	+E/-W	-1,385.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 4' 51.158 N
		Longitude:	103° 29' 54.222 W
		Ground Level:	3,329.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2015	11/14/2018	6.76
			Dip Angle
			(°)
			59.92
			Field Strength
			(nT)
			47,716.50802121

Design	Plan #0.2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			2.85

Plan Survey Tool Program	Date 1/2/2019		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	20,211.0 Plan #0.2 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
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	
3,181.0	3.62	130.04	3,180.9	-3.7	4.4	2.00	2.00	0.00	130.04	
11,934.7	3.62	130.04	11,917.1	-359.3	427.6	0.00	0.00	0.00	0.00	
12,115.7	0.00	0.00	12,098.0	-363.0	432.0	2.00	-2.00	0.00	180.00	KOP (Condor 32 State)
13,015.7	90.00	359.53	12,671.0	209.9	427.3	10.00	10.00	-0.05	359.53	
20,211.0	90.00	359.53	12,671.0	7,405.0	368.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 State)

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Site:	Condor 32 State Com	North Reference:	Grid
Well:	#718H	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	2.00	130.04	3,100.0	-1.1	1.3	-1.1	2.00	2.00	0.00
3,181.0	3.62	130.04	3,180.9	-3.7	4.4	-3.5	2.00	2.00	0.00
3,200.0	3.62	130.04	3,199.8	-4.4	5.3	-4.2	0.00	0.00	0.00
3,300.0	3.62	130.04	3,299.6	-8.5	10.1	-8.0	0.00	0.00	0.00
3,400.0	3.62	130.04	3,399.4	-12.6	15.0	-11.8	0.00	0.00	0.00
3,500.0	3.62	130.04	3,499.2	-16.6	19.8	-15.6	0.00	0.00	0.00
3,600.0	3.62	130.04	3,599.0	-20.7	24.6	-19.5	0.00	0.00	0.00
3,700.0	3.62	130.04	3,698.8	-24.8	29.5	-23.3	0.00	0.00	0.00
3,800.0	3.62	130.04	3,798.6	-28.8	34.3	-27.1	0.00	0.00	0.00
3,900.0	3.62	130.04	3,898.4	-32.9	39.1	-30.9	0.00	0.00	0.00
4,000.0	3.62	130.04	3,998.2	-37.0	44.0	-34.7	0.00	0.00	0.00
4,100.0	3.62	130.04	4,098.0	-41.0	48.8	-38.5	0.00	0.00	0.00
4,200.0	3.62	130.04	4,197.8	-45.1	53.6	-42.4	0.00	0.00	0.00
4,300.0	3.62	130.04	4,297.6	-49.1	58.5	-46.2	0.00	0.00	0.00
4,400.0	3.62	130.04	4,397.4	-53.2	63.3	-50.0	0.00	0.00	0.00
4,500.0	3.62	130.04	4,497.2	-57.3	68.2	-53.8	0.00	0.00	0.00
4,600.0	3.62	130.04	4,597.0	-61.3	73.0	-57.6	0.00	0.00	0.00
4,700.0	3.62	130.04	4,696.8	-65.4	77.8	-61.4	0.00	0.00	0.00
4,800.0	3.62	130.04	4,796.6	-69.5	82.7	-65.3	0.00	0.00	0.00
4,900.0	3.62	130.04	4,896.4	-73.5	87.5	-69.1	0.00	0.00	0.00
5,000.0	3.62	130.04	4,996.2	-77.6	92.3	-72.9	0.00	0.00	0.00
5,100.0	3.62	130.04	5,096.0	-81.6	97.2	-76.7	0.00	0.00	0.00
5,200.0	3.62	130.04	5,195.8	-85.7	102.0	-80.5	0.00	0.00	0.00



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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	3.62	130.04	5,295.6	-89.8	106.8	-84.4	0.00	0.00	0.00
5,400.0	3.62	130.04	5,395.4	-93.8	111.7	-88.2	0.00	0.00	0.00
5,500.0	3.62	130.04	5,495.3	-97.9	116.5	-92.0	0.00	0.00	0.00
5,600.0	3.62	130.04	5,595.1	-102.0	121.3	-95.8	0.00	0.00	0.00
5,700.0	3.62	130.04	5,694.9	-106.0	126.2	-99.6	0.00	0.00	0.00
5,800.0	3.62	130.04	5,794.7	-110.1	131.0	-103.4	0.00	0.00	0.00
5,900.0	3.62	130.04	5,894.5	-114.1	135.8	-107.3	0.00	0.00	0.00
6,000.0	3.62	130.04	5,994.3	-118.2	140.7	-111.1	0.00	0.00	0.00
6,100.0	3.62	130.04	6,094.1	-122.3	145.5	-114.9	0.00	0.00	0.00
6,200.0	3.62	130.04	6,193.9	-126.3	150.3	-118.7	0.00	0.00	0.00
6,300.0	3.62	130.04	6,293.7	-130.4	155.2	-122.5	0.00	0.00	0.00
6,400.0	3.62	130.04	6,393.5	-134.5	160.0	-126.4	0.00	0.00	0.00
6,500.0	3.62	130.04	6,493.3	-138.5	164.9	-130.2	0.00	0.00	0.00
6,600.0	3.62	130.04	6,593.1	-142.6	169.7	-134.0	0.00	0.00	0.00
6,700.0	3.62	130.04	6,692.9	-146.6	174.5	-137.8	0.00	0.00	0.00
6,800.0	3.62	130.04	6,792.7	-150.7	179.4	-141.6	0.00	0.00	0.00
6,900.0	3.62	130.04	6,892.5	-154.8	184.2	-145.4	0.00	0.00	0.00
7,000.0	3.62	130.04	6,992.3	-158.8	189.0	-149.3	0.00	0.00	0.00
7,100.0	3.62	130.04	7,092.1	-162.9	193.9	-153.1	0.00	0.00	0.00
7,200.0	3.62	130.04	7,191.9	-167.0	198.7	-156.9	0.00	0.00	0.00
7,300.0	3.62	130.04	7,291.7	-171.0	203.5	-160.7	0.00	0.00	0.00
7,400.0	3.62	130.04	7,391.5	-175.1	208.4	-164.5	0.00	0.00	0.00
7,500.0	3.62	130.04	7,491.3	-179.1	213.2	-168.3	0.00	0.00	0.00
7,600.0	3.62	130.04	7,591.1	-183.2	218.0	-172.2	0.00	0.00	0.00
7,700.0	3.62	130.04	7,690.9	-187.3	222.9	-176.0	0.00	0.00	0.00
7,800.0	3.62	130.04	7,790.7	-191.3	227.7	-179.8	0.00	0.00	0.00
7,900.0	3.62	130.04	7,890.5	-195.4	232.5	-183.6	0.00	0.00	0.00
8,000.0	3.62	130.04	7,990.3	-199.5	237.4	-187.4	0.00	0.00	0.00
8,100.0	3.62	130.04	8,090.1	-203.5	242.2	-191.3	0.00	0.00	0.00
8,200.0	3.62	130.04	8,189.9	-207.6	247.0	-195.1	0.00	0.00	0.00
8,300.0	3.62	130.04	8,289.7	-211.7	251.9	-198.9	0.00	0.00	0.00
8,400.0	3.62	130.04	8,389.5	-215.7	256.7	-202.7	0.00	0.00	0.00
8,500.0	3.62	130.04	8,489.3	-219.8	261.6	-206.5	0.00	0.00	0.00
8,600.0	3.62	130.04	8,589.1	-223.8	266.4	-210.3	0.00	0.00	0.00
8,700.0	3.62	130.04	8,688.9	-227.9	271.2	-214.2	0.00	0.00	0.00
8,800.0	3.62	130.04	8,788.7	-232.0	276.1	-218.0	0.00	0.00	0.00
8,900.0	3.62	130.04	8,888.5	-236.0	280.9	-221.8	0.00	0.00	0.00
9,000.0	3.62	130.04	8,988.3	-240.1	285.7	-225.6	0.00	0.00	0.00
9,100.0	3.62	130.04	9,088.1	-244.2	290.6	-229.4	0.00	0.00	0.00
9,200.0	3.62	130.04	9,187.9	-248.2	295.4	-233.2	0.00	0.00	0.00
9,300.0	3.62	130.04	9,287.7	-252.3	300.2	-237.1	0.00	0.00	0.00
9,400.0	3.62	130.04	9,387.5	-256.3	305.1	-240.9	0.00	0.00	0.00
9,500.0	3.62	130.04	9,487.3	-260.4	309.9	-244.7	0.00	0.00	0.00
9,600.0	3.62	130.04	9,587.1	-264.5	314.7	-248.5	0.00	0.00	0.00
9,700.0	3.62	130.04	9,686.9	-268.5	319.6	-252.3	0.00	0.00	0.00
9,800.0	3.62	130.04	9,786.7	-272.6	324.4	-256.2	0.00	0.00	0.00
9,900.0	3.62	130.04	9,886.5	-276.7	329.2	-260.0	0.00	0.00	0.00
10,000.0	3.62	130.04	9,986.3	-280.7	334.1	-263.8	0.00	0.00	0.00
10,100.0	3.62	130.04	10,086.1	-284.8	338.9	-267.6	0.00	0.00	0.00
10,200.0	3.62	130.04	10,185.9	-288.8	343.7	-271.4	0.00	0.00	0.00
10,300.0	3.62	130.04	10,285.7	-292.9	348.6	-275.2	0.00	0.00	0.00
10,400.0	3.62	130.04	10,385.5	-297.0	353.4	-279.1	0.00	0.00	0.00
10,500.0	3.62	130.04	10,485.3	-301.0	358.3	-282.9	0.00	0.00	0.00
10,600.0	3.62	130.04	10,585.1	-305.1	363.1	-286.7	0.00	0.00	0.00



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Wellbore:	OH		
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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	3.62	130.04	10,684.9	-309.2	367.9	-290.5	0.00	0.00	0.00
10,800.0	3.62	130.04	10,784.7	-313.2	372.8	-294.3	0.00	0.00	0.00
10,900.0	3.62	130.04	10,884.5	-317.3	377.6	-298.2	0.00	0.00	0.00
11,000.0	3.62	130.04	10,984.3	-321.3	382.4	-302.0	0.00	0.00	0.00
11,100.0	3.62	130.04	11,084.1	-325.4	387.3	-305.8	0.00	0.00	0.00
11,200.0	3.62	130.04	11,183.9	-329.5	392.1	-309.6	0.00	0.00	0.00
11,300.0	3.62	130.04	11,283.7	-333.5	396.9	-313.4	0.00	0.00	0.00
11,400.0	3.62	130.04	11,383.5	-337.6	401.8	-317.2	0.00	0.00	0.00
11,500.0	3.62	130.04	11,483.3	-341.7	406.6	-321.1	0.00	0.00	0.00
11,600.0	3.62	130.04	11,583.1	-345.7	411.4	-324.9	0.00	0.00	0.00
11,700.0	3.62	130.04	11,682.9	-349.8	416.3	-328.7	0.00	0.00	0.00
11,800.0	3.62	130.04	11,782.7	-353.8	421.1	-332.5	0.00	0.00	0.00
11,900.0	3.62	130.04	11,882.5	-357.9	425.9	-336.3	0.00	0.00	0.00
11,934.7	3.62	130.04	11,917.1	-359.3	427.6	-337.7	0.00	0.00	0.00
12,000.0	2.31	130.04	11,982.3	-361.5	430.2	-339.7	2.00	-2.00	0.00
12,100.0	0.31	130.04	12,082.3	-363.0	432.0	-341.1	2.00	-2.00	0.00
12,115.7	0.00	0.00	12,098.0	-363.0	432.0	-341.1	2.00	-2.00	0.00
12,150.0	3.43	359.53	12,132.3	-362.0	432.0	-340.1	10.00	10.00	0.00
12,200.0	8.43	359.53	12,182.0	-356.8	431.9	-334.9	10.00	10.00	0.00
12,250.0	13.43	359.53	12,231.1	-347.3	431.9	-325.5	10.00	10.00	0.00
12,300.0	18.43	359.53	12,279.1	-333.6	431.8	-311.8	10.00	10.00	0.00
12,350.0	23.43	359.53	12,325.8	-315.8	431.6	-294.0	10.00	10.00	0.00
12,400.0	28.43	359.53	12,370.8	-293.9	431.4	-272.1	10.00	10.00	0.00
12,450.0	33.43	359.53	12,413.6	-268.2	431.2	-246.5	10.00	10.00	0.00
12,500.0	38.43	359.53	12,454.1	-238.9	431.0	-217.2	10.00	10.00	0.00
12,550.0	43.43	359.53	12,491.9	-206.1	430.7	-184.5	10.00	10.00	0.00
12,600.0	48.43	359.53	12,526.6	-170.2	430.4	-148.7	10.00	10.00	0.00
12,650.0	53.43	359.53	12,558.2	-131.4	430.1	-109.9	10.00	10.00	0.00
12,700.0	58.43	359.53	12,586.2	-90.0	429.8	-68.6	10.00	10.00	0.00
12,750.0	63.43	359.53	12,610.4	-46.3	429.4	-25.0	10.00	10.00	0.00
12,800.0	68.43	359.53	12,630.8	-0.7	429.0	20.6	10.00	10.00	0.00
12,850.0	73.43	359.53	12,647.2	46.5	428.6	67.7	10.00	10.00	0.00
12,900.0	78.43	359.53	12,659.3	95.0	428.2	116.2	10.00	10.00	0.00
12,950.0	83.43	359.53	12,667.2	144.4	427.8	165.4	10.00	10.00	0.00
13,000.0	88.43	359.53	12,670.7	194.2	427.4	215.2	10.00	10.00	0.00
13,015.7	90.00	359.53	12,671.0	209.9	427.3	230.9	10.00	10.00	0.00
13,100.0	90.00	359.53	12,671.0	294.2	426.6	315.0	0.00	0.00	0.00
13,200.0	90.00	359.53	12,671.0	394.2	425.8	414.9	0.00	0.00	0.00
13,300.0	90.00	359.53	12,671.0	494.2	424.9	514.7	0.00	0.00	0.00
13,400.0	90.00	359.53	12,671.0	594.2	424.1	614.5	0.00	0.00	0.00
13,500.0	90.00	359.53	12,671.0	694.2	423.3	714.4	0.00	0.00	0.00
13,600.0	90.00	359.53	12,671.0	794.2	422.5	814.2	0.00	0.00	0.00
13,700.0	90.00	359.53	12,671.0	894.2	421.6	914.0	0.00	0.00	0.00
13,800.0	90.00	359.53	12,671.0	994.2	420.8	1,013.9	0.00	0.00	0.00
13,900.0	90.00	359.53	12,671.0	1,094.2	420.0	1,113.7	0.00	0.00	0.00
14,000.0	90.00	359.53	12,671.0	1,194.2	419.2	1,213.5	0.00	0.00	0.00
14,100.0	90.00	359.53	12,671.0	1,294.2	418.3	1,313.4	0.00	0.00	0.00
14,200.0	90.00	359.53	12,671.0	1,394.2	417.5	1,413.2	0.00	0.00	0.00
14,300.0	90.00	359.53	12,671.0	1,494.2	416.7	1,513.0	0.00	0.00	0.00
14,400.0	90.00	359.53	12,671.0	1,594.2	415.9	1,612.9	0.00	0.00	0.00
14,500.0	90.00	359.53	12,671.0	1,694.2	415.1	1,712.7	0.00	0.00	0.00
14,600.0	90.00	359.53	12,671.0	1,794.2	414.2	1,812.5	0.00	0.00	0.00
14,700.0	90.00	359.53	12,671.0	1,894.2	413.4	1,912.4	0.00	0.00	0.00
14,800.0	90.00	359.53	12,671.0	1,994.2	412.6	2,012.2	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #718H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3354.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3354.0usft
Site:	Condor 32 State Com	North Reference:	Grid
Well:	#718H	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)	Degleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,900.0	90.00	359.53	12,671.0	2,094.2	411.8	2,112.0	0.00	0.00	0.00
15,000.0	90.00	359.53	12,671.0	2,194.2	410.9	2,211.8	0.00	0.00	0.00
15,100.0	90.00	359.53	12,671.0	2,294.2	410.1	2,311.7	0.00	0.00	0.00
15,200.0	90.00	359.53	12,671.0	2,394.1	409.3	2,411.5	0.00	0.00	0.00
15,300.0	90.00	359.53	12,671.0	2,494.1	408.5	2,511.3	0.00	0.00	0.00
15,400.0	90.00	359.53	12,671.0	2,594.1	407.6	2,611.2	0.00	0.00	0.00
15,500.0	90.00	359.53	12,671.0	2,694.1	406.8	2,711.0	0.00	0.00	0.00
15,600.0	90.00	359.53	12,671.0	2,794.1	406.0	2,810.8	0.00	0.00	0.00
15,700.0	90.00	359.53	12,671.0	2,894.1	405.2	2,910.7	0.00	0.00	0.00
15,800.0	90.00	359.53	12,671.0	2,994.1	404.3	3,010.5	0.00	0.00	0.00
15,900.0	90.00	359.53	12,671.0	3,094.1	403.5	3,110.3	0.00	0.00	0.00
16,000.0	90.00	359.53	12,671.0	3,194.1	402.7	3,210.2	0.00	0.00	0.00
16,100.0	90.00	359.53	12,671.0	3,294.1	401.9	3,310.0	0.00	0.00	0.00
16,200.0	90.00	359.53	12,671.0	3,394.1	401.0	3,409.8	0.00	0.00	0.00
16,300.0	90.00	359.53	12,671.0	3,494.1	400.2	3,509.7	0.00	0.00	0.00
16,400.0	90.00	359.53	12,671.0	3,594.1	399.4	3,609.5	0.00	0.00	0.00
16,500.0	90.00	359.53	12,671.0	3,694.1	398.6	3,709.3	0.00	0.00	0.00
16,600.0	90.00	359.53	12,671.0	3,794.1	397.7	3,809.2	0.00	0.00	0.00
16,700.0	90.00	359.53	12,671.0	3,894.1	396.9	3,909.0	0.00	0.00	0.00
16,800.0	90.00	359.53	12,671.0	3,994.1	396.1	4,008.8	0.00	0.00	0.00
16,900.0	90.00	359.53	12,671.0	4,094.1	395.3	4,108.7	0.00	0.00	0.00
17,000.0	90.00	359.53	12,671.0	4,194.1	394.5	4,208.5	0.00	0.00	0.00
17,100.0	90.00	359.53	12,671.0	4,294.1	393.6	4,308.3	0.00	0.00	0.00
17,200.0	90.00	359.53	12,671.0	4,394.1	392.8	4,408.2	0.00	0.00	0.00
17,300.0	90.00	359.53	12,671.0	4,494.1	392.0	4,508.0	0.00	0.00	0.00
17,400.0	90.00	359.53	12,671.0	4,594.1	391.2	4,607.8	0.00	0.00	0.00
17,500.0	90.00	359.53	12,671.0	4,694.1	390.3	4,707.7	0.00	0.00	0.00
17,600.0	90.00	359.53	12,671.0	4,794.1	389.5	4,807.5	0.00	0.00	0.00
17,700.0	90.00	359.53	12,671.0	4,894.1	388.7	4,907.3	0.00	0.00	0.00
17,800.0	90.00	359.53	12,671.0	4,994.1	387.9	5,007.2	0.00	0.00	0.00
17,900.0	90.00	359.53	12,671.0	5,094.1	387.0	5,107.0	0.00	0.00	0.00
18,000.0	90.00	359.53	12,671.0	5,194.1	386.2	5,206.8	0.00	0.00	0.00
18,100.0	90.00	359.53	12,671.0	5,294.1	385.4	5,306.7	0.00	0.00	0.00
18,200.0	90.00	359.53	12,671.0	5,394.0	384.6	5,406.5	0.00	0.00	0.00
18,300.0	90.00	359.53	12,671.0	5,494.0	383.7	5,506.3	0.00	0.00	0.00
18,400.0	90.00	359.53	12,671.0	5,594.0	382.9	5,606.2	0.00	0.00	0.00
18,500.0	90.00	359.53	12,671.0	5,694.0	382.1	5,706.0	0.00	0.00	0.00
18,600.0	90.00	359.53	12,671.0	5,794.0	381.3	5,805.8	0.00	0.00	0.00
18,700.0	90.00	359.53	12,671.0	5,894.0	380.4	5,905.6	0.00	0.00	0.00
18,800.0	90.00	359.53	12,671.0	5,994.0	379.6	6,005.5	0.00	0.00	0.00
18,900.0	90.00	359.53	12,671.0	6,094.0	378.8	6,105.3	0.00	0.00	0.00
19,000.0	90.00	359.53	12,671.0	6,194.0	378.0	6,205.1	0.00	0.00	0.00
19,100.0	90.00	359.53	12,671.0	6,294.0	377.2	6,305.0	0.00	0.00	0.00
19,200.0	90.00	359.53	12,671.0	6,394.0	376.3	6,404.8	0.00	0.00	0.00
19,300.0	90.00	359.53	12,671.0	6,494.0	375.5	6,504.6	0.00	0.00	0.00
19,400.0	90.00	359.53	12,671.0	6,594.0	374.7	6,604.5	0.00	0.00	0.00
19,500.0	90.00	359.53	12,671.0	6,694.0	373.9	6,704.3	0.00	0.00	0.00
19,600.0	90.00	359.53	12,671.0	6,794.0	373.0	6,804.1	0.00	0.00	0.00
19,700.0	90.00	359.53	12,671.0	6,894.0	372.2	6,904.0	0.00	0.00	0.00
19,800.0	90.00	359.53	12,671.0	6,994.0	371.4	7,003.8	0.00	0.00	0.00
19,900.0	90.00	359.53	12,671.0	7,094.0	370.6	7,103.6	0.00	0.00	0.00
20,000.0	90.00	359.53	12,671.0	7,194.0	369.7	7,203.5	0.00	0.00	0.00
20,100.0	90.00	359.53	12,671.0	7,294.0	368.9	7,303.3	0.00	0.00	0.00
20,200.0	90.00	359.53	12,671.0	7,394.0	368.1	7,403.1	0.00	0.00	0.00

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #718H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25' @ 3354.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25' @ 3354.0usft
Site:	Condor 32 State Com	North Reference:	Grid
Well:	#718H	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)
20,211.0	90.00	359.53	12,671.0	7,405.0	368.0	7,414.1	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
KOP (Condor 32 State C - plan hits target center - Point	0.00	0.00	12,098.0	-363.0	432.0	393,798.00	800,367.00	32° 4' 47.533 N	103° 29' 49.234 W
FTP (Condor 32 State C - plan misses target center by 202.9usft at 12597.8usft MD (12525.2 TVD, -171.9 N, 430.4 E) - Point	0.00	0.00	12,671.0	-313.0	432.0	393,848.00	800,367.00	32° 4' 48.027 N	103° 29' 49.229 W
PBHL (Condor 32 State - plan hits target center - Point	0.00	0.00	12,671.0	7,405.0	368.0	401,566.00	800,303.00	32° 6' 4.403 N	103° 29' 49.277 W



Lea County, NM (NAD 83 NME)

Condor 32 State Com #718H

Plan #0.2



To convert a Magnetic Direction to a Grid Direction, Add 8.31°
To convert a Magnetic Direction to a True Direction, Add 6.78° East
To convert a True Direction to a Grid Direction, Subtract 0.44°

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: #718H

KB = 25' @ 3354.0usft 3329.0
Northing 394161.00 Easting 799935.00 Latitude 32° 4' 51.158 N Longitude 103° 29' 54.222 W

SECTION DETAILS

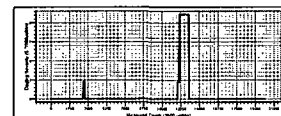
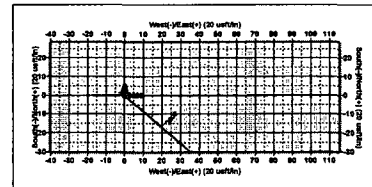
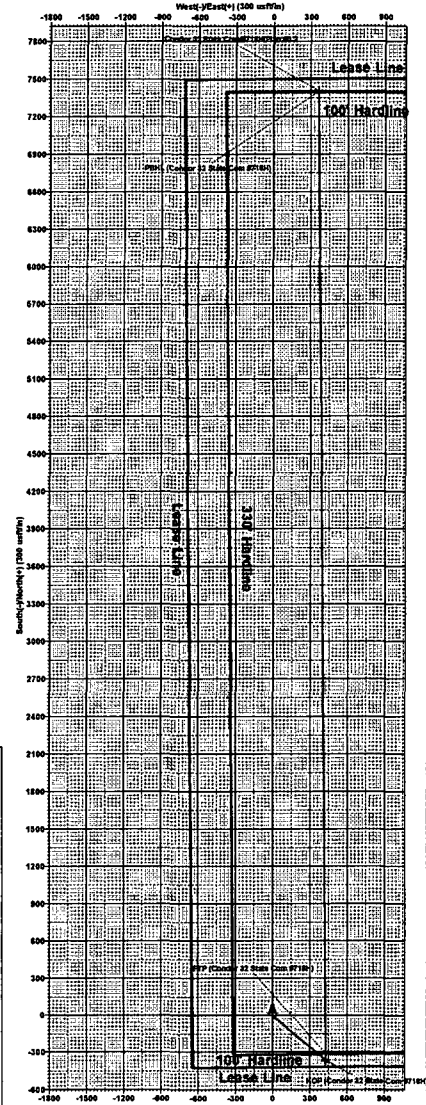
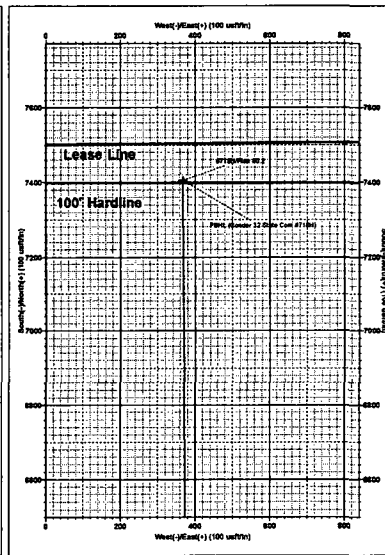
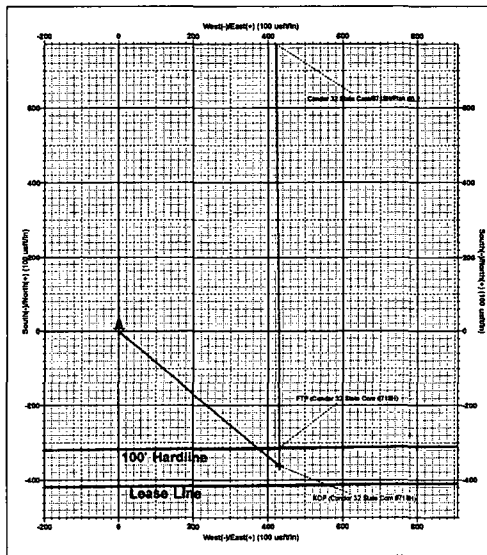
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3181.0	3.62	130.04	3180.9	-3.7	4.4	2.00	130.04	-3.5	
4	11934.7	3.62	130.04	11917.1	-359.3	427.6	0.00	0.00	-337.7	
5	12115.7	0.00	0.00	12098.0	-363.0	432.0	2.00	180.00	-341.1	KOP (Condor 32 State Com #718H)
6	13015.7	90.00	359.53	12671.0	209.9	427.3	10.00	359.53	230.9	
7	20211.0	90.00	359.53	12671.0	7405.0	368.0	0.00	0.00	7414.1	PBHL (Condor 32 State Com #718H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (Condor 32 State Com #718H)	12098.0	-363.0	432.0	393788.00	800387.00
FTP (Condor 32 State Com #718H)	12671.0	-313.0	432.0	393948.00	800387.00
PBHL (Condor 32 State Com #718H)	12671.0	7405.0	368.0	401666.00	800303.00



Lea County, NM (NAD 83 NME)
Condor 32 State Com #718H
Plan #0.2
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