

APR 11 2018

RECEIVED



Lea County, NM (NAD 83 NME)

Condor 32 State #710H

Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

WELL DETAILS: #710H

KB = 25 @ 3345.0usft
 Northing 398194.00 Easting 801814.00 Latitude 32° 5' 30.921 N Longitude 103° 29' 32.018 W

SECTION DETAILS

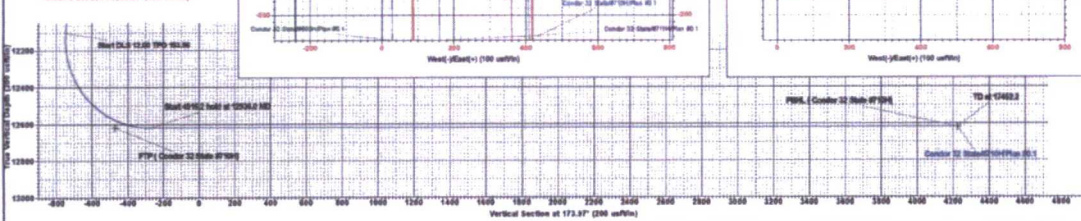
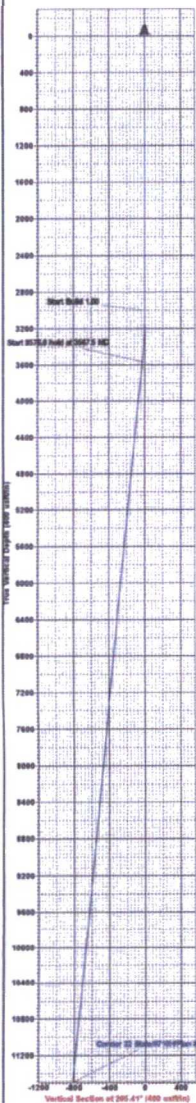
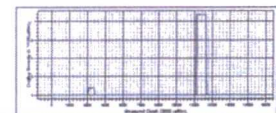
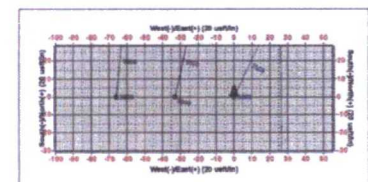
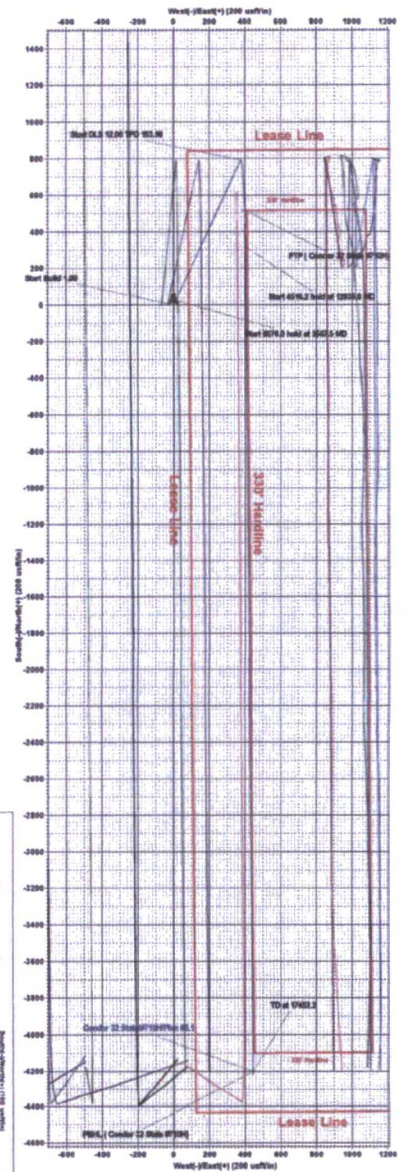
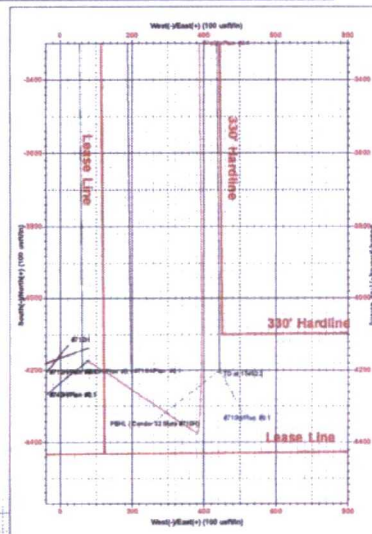
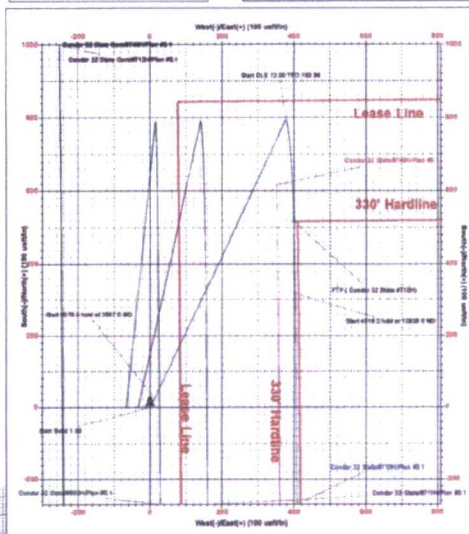
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3567.5	5.67	25.41	3566.6	25.4	12.0	1.00	25.41	-24.0	
4	12143.5	5.67	25.41	12100.8	791.4	375.9	0.00	0.00	-747.5	
5	12936.0	90.00	179.48	12620.0	316.0	402.8	12.00	153.96	-271.9	
6	17452.2	90.00	179.48	12620.0	-4200.0	444.0	0.00	0.00	4223.4	PBHL (Condor 32 State #710H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
FTP (Condor 32 State #710H)	12620.0	916.0	401.8	398710.00	802216.00
PBHL (Condor 32 State #710H)	12620.0	-4200.0	444.0	393994.00	802258.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State

#710H

OH

Plan: Plan #0.1

Standard Planning Report

10 April, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #710H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3345.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3345.0usft
Site:	Condor 32 State	North Reference:	Grid
Well:	#710H	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			
Site Position:		Northing:	398,890.00 usft	Latitude: 32° 5' 37.669 N
From:	Map	Easting:	803,604.00 usft	Longitude: 103° 29' 11.148 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence: 0.45 °

Well	#710H			
Well Position	+N/-S	-696.0 usft	Northing: 398,194.00 usft	Latitude: 32° 5' 30.921 N
	+E/-W	-1,790.0 usft	Easting: 801,814.00 usft	Longitude: 103° 29' 32.018 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level: 3,320.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	3/6/2018	6.83	59.94	47,794.94751632

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	173.97

Plan Survey Tool Program	Date 4/10/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,452.2 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	
3,567.5	5.67	25.41	3,566.6	25.4	12.0	1.00	1.00	0.00	25.41	
12,143.5	5.67	25.41	12,100.6	791.4	375.9	0.00	0.00	0.00	0.00	
12,936.0	90.00	179.48	12,620.0	316.0	402.8	12.00	10.64	19.44	153.96	
17,452.2	90.00	179.48	12,620.0	-4,200.0	444.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 St



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #710H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3345.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3345.0usft
Site:	Condor 32 State	North Reference:	Grid
Well:	#710H	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	25.41	3,100.0	0.8	0.4	-0.7	1.00	1.00	0.00
3,200.0	2.00	25.41	3,200.0	3.2	1.5	-3.0	1.00	1.00	0.00
3,300.0	3.00	25.41	3,299.9	7.1	3.4	-6.7	1.00	1.00	0.00
3,400.0	4.00	25.41	3,399.7	12.6	6.0	-11.9	1.00	1.00	0.00
3,500.0	5.00	25.41	3,499.4	19.7	9.4	-18.6	1.00	1.00	0.00
3,567.5	5.67	25.41	3,566.6	25.4	12.0	-24.0	1.00	1.00	0.00
3,600.0	5.67	25.41	3,598.9	28.3	13.4	-26.7	0.00	0.00	0.00
3,700.0	5.67	25.41	3,698.4	37.2	17.7	-35.1	0.00	0.00	0.00
3,800.0	5.67	25.41	3,797.9	46.1	21.9	-43.6	0.00	0.00	0.00
3,900.0	5.67	25.41	3,897.4	55.1	26.2	-52.0	0.00	0.00	0.00
4,000.0	5.67	25.41	3,997.0	64.0	30.4	-60.4	0.00	0.00	0.00
4,100.0	5.67	25.41	4,096.5	72.9	34.6	-68.9	0.00	0.00	0.00
4,200.0	5.67	25.41	4,196.0	81.9	38.9	-77.3	0.00	0.00	0.00
4,300.0	5.67	25.41	4,295.5	90.8	43.1	-85.8	0.00	0.00	0.00
4,400.0	5.67	25.41	4,395.0	99.7	47.4	-94.2	0.00	0.00	0.00
4,500.0	5.67	25.41	4,494.5	108.7	51.6	-102.6	0.00	0.00	0.00
4,600.0	5.67	25.41	4,594.0	117.6	55.9	-111.1	0.00	0.00	0.00
4,700.0	5.67	25.41	4,693.5	126.5	60.1	-119.5	0.00	0.00	0.00
4,800.0	5.67	25.41	4,793.0	135.5	64.3	-127.9	0.00	0.00	0.00
4,900.0	5.67	25.41	4,892.5	144.4	68.6	-136.4	0.00	0.00	0.00
5,000.0	5.67	25.41	4,992.1	153.3	72.8	-144.8	0.00	0.00	0.00
5,100.0	5.67	25.41	5,091.6	162.2	77.1	-153.2	0.00	0.00	0.00
5,200.0	5.67	25.41	5,191.1	171.2	81.3	-161.7	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
 Well: #710H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #710H
 TVD Reference: KB = 25 @ 3345.0usft
 MD Reference: KB = 25 @ 3345.0usft
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	5.67	25.41	5,290.6	180.1	85.6	-170.1	0.00	0.00	0.00
5,400.0	5.67	25.41	5,390.1	189.0	89.8	-178.6	0.00	0.00	0.00
5,500.0	5.67	25.41	5,489.6	198.0	94.0	-187.0	0.00	0.00	0.00
5,600.0	5.67	25.41	5,589.1	206.9	98.3	-195.4	0.00	0.00	0.00
5,700.0	5.67	25.41	5,688.6	215.8	102.5	-203.9	0.00	0.00	0.00
5,800.0	5.67	25.41	5,788.1	224.8	106.8	-212.3	0.00	0.00	0.00
5,900.0	5.67	25.41	5,887.6	233.7	111.0	-220.7	0.00	0.00	0.00
6,000.0	5.67	25.41	5,987.2	242.6	115.3	-229.2	0.00	0.00	0.00
6,100.0	5.67	25.41	6,086.7	251.6	119.5	-237.6	0.00	0.00	0.00
6,200.0	5.67	25.41	6,186.2	260.5	123.7	-246.0	0.00	0.00	0.00
6,300.0	5.67	25.41	6,285.7	269.4	128.0	-254.5	0.00	0.00	0.00
6,400.0	5.67	25.41	6,385.2	278.4	132.2	-262.9	0.00	0.00	0.00
6,500.0	5.67	25.41	6,484.7	287.3	136.5	-271.4	0.00	0.00	0.00
6,600.0	5.67	25.41	6,584.2	296.2	140.7	-279.8	0.00	0.00	0.00
6,700.0	5.67	25.41	6,683.7	305.2	145.0	-288.2	0.00	0.00	0.00
6,800.0	5.67	25.41	6,783.2	314.1	149.2	-296.7	0.00	0.00	0.00
6,900.0	5.67	25.41	6,882.7	323.0	153.4	-305.1	0.00	0.00	0.00
7,000.0	5.67	25.41	6,982.2	332.0	157.7	-313.5	0.00	0.00	0.00
7,100.0	5.67	25.41	7,081.8	340.9	161.9	-322.0	0.00	0.00	0.00
7,200.0	5.67	25.41	7,181.3	349.8	166.2	-330.4	0.00	0.00	0.00
7,300.0	5.67	25.41	7,280.8	358.7	170.4	-338.8	0.00	0.00	0.00
7,400.0	5.67	25.41	7,380.3	367.7	174.7	-347.3	0.00	0.00	0.00
7,500.0	5.67	25.41	7,479.8	376.6	178.9	-355.7	0.00	0.00	0.00
7,600.0	5.67	25.41	7,579.3	385.5	183.1	-364.2	0.00	0.00	0.00
7,700.0	5.67	25.41	7,678.8	394.5	187.4	-372.6	0.00	0.00	0.00
7,800.0	5.67	25.41	7,778.3	403.4	191.6	-381.0	0.00	0.00	0.00
7,900.0	5.67	25.41	7,877.8	412.3	195.9	-389.5	0.00	0.00	0.00
8,000.0	5.67	25.41	7,977.3	421.3	200.1	-397.9	0.00	0.00	0.00
8,100.0	5.67	25.41	8,076.9	430.2	204.4	-406.3	0.00	0.00	0.00
8,200.0	5.67	25.41	8,176.4	439.1	208.6	-414.8	0.00	0.00	0.00
8,300.0	5.67	25.41	8,275.9	448.1	212.8	-423.2	0.00	0.00	0.00
8,400.0	5.67	25.41	8,375.4	457.0	217.1	-431.6	0.00	0.00	0.00
8,500.0	5.67	25.41	8,474.9	465.9	221.3	-440.1	0.00	0.00	0.00
8,600.0	5.67	25.41	8,574.4	474.9	225.6	-448.5	0.00	0.00	0.00
8,700.0	5.67	25.41	8,673.9	483.8	229.8	-457.0	0.00	0.00	0.00
8,800.0	5.67	25.41	8,773.4	492.7	234.1	-465.4	0.00	0.00	0.00
8,900.0	5.67	25.41	8,872.9	501.7	238.3	-473.8	0.00	0.00	0.00
9,000.0	5.67	25.41	8,972.4	510.6	242.5	-482.3	0.00	0.00	0.00
9,100.0	5.67	25.41	9,072.0	519.5	246.8	-490.7	0.00	0.00	0.00
9,200.0	5.67	25.41	9,171.5	528.5	251.0	-499.1	0.00	0.00	0.00
9,300.0	5.67	25.41	9,271.0	537.4	255.3	-507.6	0.00	0.00	0.00
9,400.0	5.67	25.41	9,370.5	546.3	259.5	-516.0	0.00	0.00	0.00
9,500.0	5.67	25.41	9,470.0	555.2	263.8	-524.4	0.00	0.00	0.00
9,600.0	5.67	25.41	9,569.5	564.2	268.0	-532.9	0.00	0.00	0.00
9,700.0	5.67	25.41	9,669.0	573.1	272.2	-541.3	0.00	0.00	0.00
9,800.0	5.67	25.41	9,768.5	582.0	276.5	-549.7	0.00	0.00	0.00
9,900.0	5.67	25.41	9,868.0	591.0	280.7	-558.2	0.00	0.00	0.00
10,000.0	5.67	25.41	9,967.5	599.9	285.0	-566.6	0.00	0.00	0.00
10,100.0	5.67	25.41	10,067.1	608.8	289.2	-575.1	0.00	0.00	0.00
10,200.0	5.67	25.41	10,166.6	617.8	293.5	-583.5	0.00	0.00	0.00
10,300.0	5.67	25.41	10,266.1	626.7	297.7	-591.9	0.00	0.00	0.00
10,400.0	5.67	25.41	10,365.6	635.6	301.9	-600.4	0.00	0.00	0.00
10,500.0	5.67	25.41	10,465.1	644.6	306.2	-608.8	0.00	0.00	0.00
10,600.0	5.67	25.41	10,564.6	653.5	310.4	-617.2	0.00	0.00	0.00



Planning Report

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Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #710H
Wellbore: OH
Design: Plan #0.1

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

Well #710H
KB = 25 @ 3345.0usft
KB = 25 @ 3345.0usft
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)
10,700.0	5.67	25.41	10,664.1	662.4	314.7	-625.7	0.00	0.00	0.00
10,800.0	5.67	25.41	10,763.6	671.4	318.9	-634.1	0.00	0.00	0.00
10,900.0	5.67	25.41	10,863.1	680.3	323.2	-642.5	0.00	0.00	0.00
11,000.0	5.67	25.41	10,962.6	689.2	327.4	-651.0	0.00	0.00	0.00
11,100.0	5.67	25.41	11,062.2	698.2	331.6	-659.4	0.00	0.00	0.00
11,200.0	5.67	25.41	11,161.7	707.1	335.9	-667.9	0.00	0.00	0.00
11,300.0	5.67	25.41	11,261.2	716.0	340.1	-676.3	0.00	0.00	0.00
11,400.0	5.67	25.41	11,360.7	725.0	344.4	-684.7	0.00	0.00	0.00
11,500.0	5.67	25.41	11,460.2	733.9	348.6	-693.2	0.00	0.00	0.00
11,600.0	5.67	25.41	11,559.7	742.8	352.9	-701.6	0.00	0.00	0.00
11,700.0	5.67	25.41	11,659.2	751.7	357.1	-710.0	0.00	0.00	0.00
11,800.0	5.67	25.41	11,758.7	760.7	361.3	-718.5	0.00	0.00	0.00
11,900.0	5.67	25.41	11,858.2	769.6	365.6	-726.9	0.00	0.00	0.00
12,000.0	5.67	25.41	11,957.7	778.5	369.8	-735.3	0.00	0.00	0.00
12,100.0	5.67	25.41	12,057.3	787.5	374.1	-743.8	0.00	0.00	0.00
12,143.5	5.67	25.41	12,100.6	791.4	375.9	-747.5	0.00	0.00	0.00
12,150.0	4.99	29.34	12,107.0	791.9	376.2	-748.0	12.00	-10.60	60.64
12,175.0	2.82	61.43	12,132.0	793.1	377.3	-749.1	12.00	-8.68	128.39
12,200.0	3.00	123.44	12,156.9	793.1	378.4	-748.9	12.00	0.72	248.05
12,225.0	5.29	151.52	12,181.9	791.7	379.4	-747.4	12.00	9.18	112.28
12,250.0	8.07	161.62	12,206.7	789.0	380.6	-744.6	12.00	11.09	40.42
12,275.0	10.96	166.51	12,231.3	785.0	381.7	-740.6	12.00	11.57	19.55
12,300.0	13.90	169.36	12,255.8	779.8	382.8	-735.2	12.00	11.75	11.41
12,325.0	16.85	171.23	12,279.9	773.2	383.9	-728.6	12.00	11.84	7.48
12,350.0	19.83	172.56	12,303.6	765.5	385.0	-720.7	12.00	11.88	5.30
12,375.0	22.80	173.55	12,326.9	756.4	386.1	-711.7	12.00	11.91	3.96
12,400.0	25.79	174.32	12,349.7	746.2	387.2	-701.4	12.00	11.93	3.09
12,425.0	28.77	174.94	12,371.9	734.8	388.2	-689.9	12.00	11.95	2.49
12,450.0	31.76	175.45	12,393.5	722.2	389.3	-677.3	12.00	11.96	2.06
12,475.0	34.75	175.89	12,414.4	708.6	390.3	-663.6	12.00	11.96	1.74
12,500.0	37.75	176.26	12,434.5	693.8	391.3	-648.8	12.00	11.97	1.49
12,525.0	40.74	176.59	12,453.9	678.0	392.3	-633.1	12.00	11.97	1.30
12,550.0	43.73	176.87	12,472.4	661.3	393.3	-616.3	12.00	11.97	1.15
12,575.0	46.73	177.13	12,490.0	643.6	394.2	-598.5	12.00	11.98	1.03
12,600.0	49.72	177.37	12,506.7	624.9	395.1	-579.9	12.00	11.98	0.94
12,625.0	52.72	177.58	12,522.3	605.5	395.9	-560.5	12.00	11.98	0.86
12,650.0	55.71	177.78	12,536.9	585.2	396.8	-540.3	12.00	11.98	0.79
12,675.0	58.71	177.96	12,550.5	564.2	397.5	-519.3	12.00	11.98	0.74
12,700.0	61.70	178.14	12,562.9	542.5	398.3	-497.6	12.00	11.98	0.69
12,725.0	64.70	178.30	12,574.2	520.2	399.0	-475.4	12.00	11.99	0.65
12,747.4	67.39	178.44	12,583.3	499.7	399.6	-455.0	12.00	11.99	0.62
FTP (Condor 32 State #710H)									
12,750.0	67.70	178.46	12,584.2	497.4	399.6	-452.6	12.00	11.99	0.61
12,775.0	70.69	178.61	12,593.1	474.0	400.2	-429.3	12.00	11.99	0.60
12,800.0	73.69	178.75	12,600.8	450.2	400.8	-405.6	12.00	11.99	0.57
12,825.0	76.69	178.89	12,607.2	426.0	401.3	-381.5	12.00	11.99	0.56
12,850.0	79.69	179.02	12,612.3	401.6	401.7	-357.1	12.00	11.99	0.54
12,875.0	82.68	179.16	12,616.1	376.9	402.1	-332.5	12.00	11.99	0.53
12,900.0	85.68	179.29	12,618.6	352.0	402.4	-307.8	12.00	11.99	0.53
12,925.0	88.68	179.42	12,619.9	327.1	402.7	-282.9	12.00	11.99	0.52
12,936.0	90.00	179.48	12,620.0	316.0	402.8	-271.9	12.00	11.99	0.52
13,000.0	90.00	179.48	12,620.0	252.1	403.4	-208.2	0.00	0.00	0.00
13,100.0	90.00	179.48	12,620.0	152.1	404.3	-108.7	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
Well: #710H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #710H
TVD Reference: KB = 25 @ 3345.0usft
MD Reference: KB = 25 @ 3345.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.00	179.48	12,620.0	52.1	405.2	-9.2	0.00	0.00	0.00
13,300.0	90.00	179.48	12,620.0	-47.9	406.1	90.4	0.00	0.00	0.00
13,400.0	90.00	179.48	12,620.0	-147.9	407.1	189.9	0.00	0.00	0.00
13,500.0	90.00	179.48	12,620.0	-247.9	408.0	289.4	0.00	0.00	0.00
13,600.0	90.00	179.48	12,620.0	-347.9	408.9	389.0	0.00	0.00	0.00
13,700.0	90.00	179.48	12,620.0	-447.9	409.8	488.5	0.00	0.00	0.00
13,800.0	90.00	179.48	12,620.0	-547.9	410.7	588.1	0.00	0.00	0.00
13,900.0	90.00	179.48	12,620.0	-647.9	411.6	687.6	0.00	0.00	0.00
14,000.0	90.00	179.48	12,620.0	-747.9	412.5	787.1	0.00	0.00	0.00
14,100.0	90.00	179.48	12,620.0	-847.9	413.4	886.7	0.00	0.00	0.00
14,200.0	90.00	179.48	12,620.0	-947.9	414.3	986.2	0.00	0.00	0.00
14,300.0	90.00	179.48	12,620.0	-1,047.9	415.3	1,085.7	0.00	0.00	0.00
14,400.0	90.00	179.48	12,620.0	-1,147.9	416.2	1,185.3	0.00	0.00	0.00
14,500.0	90.00	179.48	12,620.0	-1,247.9	417.1	1,284.8	0.00	0.00	0.00
14,600.0	90.00	179.48	12,620.0	-1,347.9	418.0	1,384.4	0.00	0.00	0.00
14,700.0	90.00	179.48	12,620.0	-1,447.9	418.9	1,483.9	0.00	0.00	0.00
14,800.0	90.00	179.48	12,620.0	-1,547.9	419.8	1,583.4	0.00	0.00	0.00
14,900.0	90.00	179.48	12,620.0	-1,647.9	420.7	1,683.0	0.00	0.00	0.00
15,000.0	90.00	179.48	12,620.0	-1,747.9	421.6	1,782.5	0.00	0.00	0.00
15,100.0	90.00	179.48	12,620.0	-1,847.9	422.6	1,882.0	0.00	0.00	0.00
15,200.0	90.00	179.48	12,620.0	-1,947.9	423.5	1,981.6	0.00	0.00	0.00
15,300.0	90.00	179.48	12,620.0	-2,047.8	424.4	2,081.1	0.00	0.00	0.00
15,400.0	90.00	179.48	12,620.0	-2,147.8	425.3	2,180.7	0.00	0.00	0.00
15,500.0	90.00	179.48	12,620.0	-2,247.8	426.2	2,280.2	0.00	0.00	0.00
15,600.0	90.00	179.48	12,620.0	-2,347.8	427.1	2,379.7	0.00	0.00	0.00
15,700.0	90.00	179.48	12,620.0	-2,447.8	428.0	2,479.3	0.00	0.00	0.00
15,800.0	90.00	179.48	12,620.0	-2,547.8	428.9	2,578.8	0.00	0.00	0.00
15,900.0	90.00	179.48	12,620.0	-2,647.8	429.8	2,678.3	0.00	0.00	0.00
16,000.0	90.00	179.48	12,620.0	-2,747.8	430.8	2,777.9	0.00	0.00	0.00
16,100.0	90.00	179.48	12,620.0	-2,847.8	431.7	2,877.4	0.00	0.00	0.00
16,200.0	90.00	179.48	12,620.0	-2,947.8	432.6	2,977.0	0.00	0.00	0.00
16,300.0	90.00	179.48	12,620.0	-3,047.8	433.5	3,076.5	0.00	0.00	0.00
16,400.0	90.00	179.48	12,620.0	-3,147.8	434.4	3,176.0	0.00	0.00	0.00
16,500.0	90.00	179.48	12,620.0	-3,247.8	435.3	3,275.6	0.00	0.00	0.00
16,600.0	90.00	179.48	12,620.0	-3,347.8	436.2	3,375.1	0.00	0.00	0.00
16,700.0	90.00	179.48	12,620.0	-3,447.8	437.1	3,474.6	0.00	0.00	0.00
16,800.0	90.00	179.48	12,620.0	-3,547.8	438.1	3,574.2	0.00	0.00	0.00
16,900.0	90.00	179.48	12,620.0	-3,647.8	439.0	3,673.7	0.00	0.00	0.00
17,000.0	90.00	179.48	12,620.0	-3,747.8	439.9	3,773.3	0.00	0.00	0.00
17,100.0	90.00	179.48	12,620.0	-3,847.8	440.8	3,872.8	0.00	0.00	0.00
17,200.0	90.00	179.48	12,620.0	-3,947.8	441.7	3,972.3	0.00	0.00	0.00
17,300.0	90.00	179.48	12,620.0	-4,047.8	442.6	4,071.9	0.00	0.00	0.00
17,400.0	90.00	179.48	12,620.0	-4,147.8	443.5	4,171.4	0.00	0.00	0.00
17,452.2	90.00	179.48	12,620.0	-4,200.0	444.0	4,223.4	0.00	0.00	0.00

PBHL (Condor 32 State #710H)



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #710H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3345.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3345.0usft
Site:	Condor 32 State	North Reference:	Grid
Well:	#710H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
FTP (Condor 32 State #	0.00	0.00	12,620.0	516.0	401.0	398,710.00	802,215.00	32° 5' 35.995 N	103° 29' 27.310 W
- plan misses target center by 40.2usft at 12747.4usft MD (12583.3 TVD, 499.7 N, 399.6 E)									
- Point									
PBHL (Condor 32 State	0.00	0.00	12,620.0	-4,200.0	444.0	393,994.00	802,258.00	32° 4' 49.326 N	103° 29' 27.238 W
- plan hits target center									
- Point									