

HOBBS OCC
APR 11 2018
RECEIVED



Lea County, NM (NAD 83 NME)

Condor 32 State Com #713H

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: #713H

KB = 25 @ 3345.0usft 3340.0
Northing 394016.90 Easting 801321.80 Latitude 32° 4' 49.616 N Longitude 103° 29' 35.126 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dlog	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	3129.0	1.29	169.72	3129.0	-1.4	0.3	1.00	169.72	-1.4	
4	12384.3	1.29	169.72	12381.9	-206.4	37.4	0.00	0.00	-206.5	
5	13144.9	90.00	359.52	12870.0	270.9	35.3	12.00	-170.19	270.8	
6	20301.2	90.00	359.52	12870.0	7427.0	-24.0	0.00	0.00	7427.0	PBHL (Condor 32 SC #713H)

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°



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

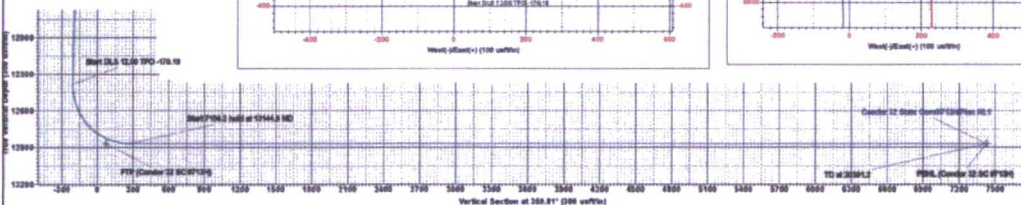
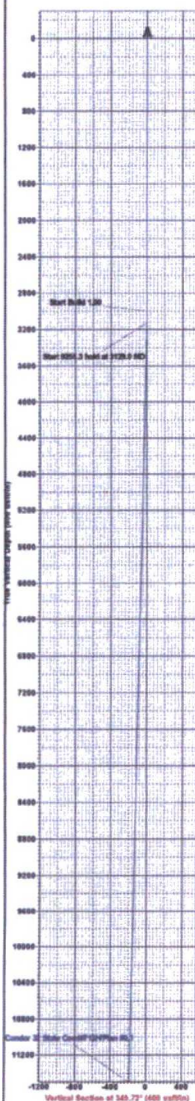
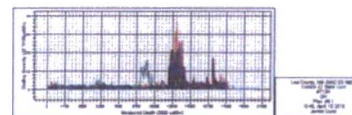
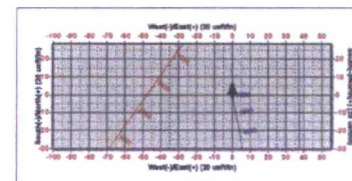
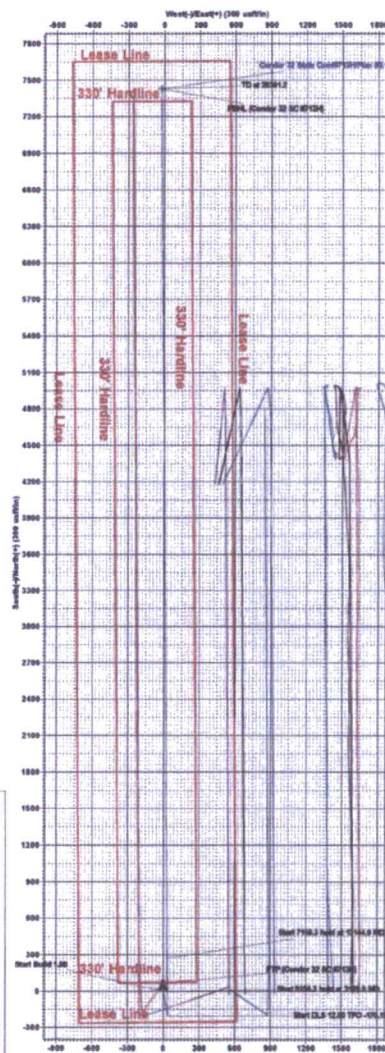
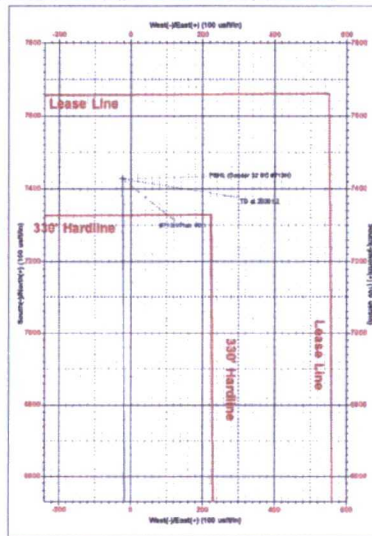
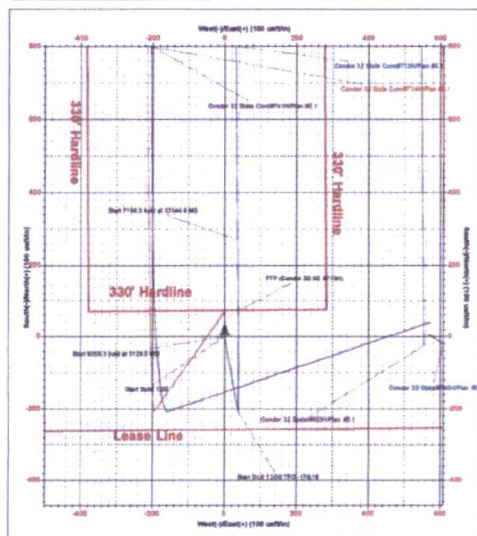
Magnetic Field
Strength: 47787.5enT
Dip Angle: 68.53°
Date: 3/7/2018
Model: IGRF2016

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 #713H)	12870.0	71.0	38.0	394087.00	801389.00
PBHL (Condor 32 SC #713H)	12870.0	7427.0	-24.0	401443.00	801297.00





EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State Com

#713H

OH

Plan: Plan #0.1

Standard Planning Report

10 April, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #713H
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:	#713H	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:	Map	Northing:	394,016.00 usft
From:		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	#713H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	1.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:
			3,340.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	3/7/2018	6.83
			Dip Angle (°)
			59.93
			Field Strength (nT)
			47,787.52586036

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 (°)
			359.81

Plan Survey Tool Program	Date 4/10/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	20,301.2 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	
3,129.0	1.29	169.72	3,129.0	-1.4	0.3	1.00	1.00	0.00	169.72	
12,384.3	1.29	169.72	12,381.9	-206.4	37.4	0.00	0.00	0.00	0.00	
13,144.9	90.00	359.52	12,870.0	270.9	35.3	12.00	11.66	-22.38	-170.19	
20,301.2	90.00	359.52	12,870.0	7,427.0	-24.0	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: #713H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #713H
 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)
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	169.72	3,100.0	-0.9	0.2	-0.9	1.00	1.00	0.00
3,129.0	1.29	169.72	3,129.0	-1.4	0.3	-1.4	1.00	1.00	0.00
3,200.0	1.29	169.72	3,200.0	-3.0	0.5	-3.0	0.00	0.00	0.00
3,300.0	1.29	169.72	3,299.9	-5.2	0.9	-5.2	0.00	0.00	0.00
3,400.0	1.29	169.72	3,399.9	-7.4	1.3	-7.4	0.00	0.00	0.00
3,500.0	1.29	169.72	3,499.9	-9.6	1.7	-9.7	0.00	0.00	0.00
3,600.0	1.29	169.72	3,599.9	-11.9	2.2	-11.9	0.00	0.00	0.00
3,700.0	1.29	169.72	3,699.8	-14.1	2.6	-14.1	0.00	0.00	0.00
3,800.0	1.29	169.72	3,799.8	-16.3	3.0	-16.3	0.00	0.00	0.00
3,900.0	1.29	169.72	3,899.8	-18.5	3.4	-18.5	0.00	0.00	0.00
4,000.0	1.29	169.72	3,999.8	-20.7	3.8	-20.7	0.00	0.00	0.00
4,100.0	1.29	169.72	4,099.7	-22.9	4.2	-22.9	0.00	0.00	0.00
4,200.0	1.29	169.72	4,199.7	-25.1	4.6	-25.2	0.00	0.00	0.00
4,300.0	1.29	169.72	4,299.7	-27.4	5.0	-27.4	0.00	0.00	0.00
4,400.0	1.29	169.72	4,399.7	-29.6	5.4	-29.6	0.00	0.00	0.00
4,500.0	1.29	169.72	4,499.6	-31.8	5.8	-31.8	0.00	0.00	0.00
4,600.0	1.29	169.72	4,599.6	-34.0	6.2	-34.0	0.00	0.00	0.00
4,700.0	1.29	169.72	4,699.6	-36.2	6.6	-36.2	0.00	0.00	0.00
4,800.0	1.29	169.72	4,799.6	-38.4	7.0	-38.5	0.00	0.00	0.00
4,900.0	1.29	169.72	4,899.5	-40.7	7.4	-40.7	0.00	0.00	0.00
5,000.0	1.29	169.72	4,999.5	-42.9	7.8	-42.9	0.00	0.00	0.00
5,100.0	1.29	169.72	5,099.5	-45.1	8.2	-45.1	0.00	0.00	0.00
5,200.0	1.29	169.72	5,199.5	-47.3	8.6	-47.3	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #713H
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:	#713H	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	1.29	169.72	5,299.4	-49.5	9.0	-49.5	0.00	0.00	0.00
5,400.0	1.29	169.72	5,399.4	-51.7	9.4	-51.8	0.00	0.00	0.00
5,500.0	1.29	169.72	5,499.4	-53.9	9.8	-54.0	0.00	0.00	0.00
5,600.0	1.29	169.72	5,599.4	-56.2	10.2	-56.2	0.00	0.00	0.00
5,700.0	1.29	169.72	5,699.3	-58.4	10.6	-58.4	0.00	0.00	0.00
5,800.0	1.29	169.72	5,799.3	-60.6	11.0	-60.6	0.00	0.00	0.00
5,900.0	1.29	169.72	5,899.3	-62.8	11.4	-62.8	0.00	0.00	0.00
6,000.0	1.29	169.72	5,999.3	-65.0	11.8	-65.0	0.00	0.00	0.00
6,100.0	1.29	169.72	6,099.2	-67.2	12.2	-67.3	0.00	0.00	0.00
6,200.0	1.29	169.72	6,199.2	-69.4	12.6	-69.5	0.00	0.00	0.00
6,300.0	1.29	169.72	6,299.2	-71.7	13.0	-71.7	0.00	0.00	0.00
6,400.0	1.29	169.72	6,399.2	-73.9	13.4	-73.9	0.00	0.00	0.00
6,500.0	1.29	169.72	6,499.1	-76.1	13.8	-76.1	0.00	0.00	0.00
6,600.0	1.29	169.72	6,599.1	-78.3	14.2	-78.3	0.00	0.00	0.00
6,700.0	1.29	169.72	6,699.1	-80.5	14.6	-80.6	0.00	0.00	0.00
6,800.0	1.29	169.72	6,799.1	-82.7	15.0	-82.8	0.00	0.00	0.00
6,900.0	1.29	169.72	6,899.0	-84.9	15.4	-85.0	0.00	0.00	0.00
7,000.0	1.29	169.72	6,999.0	-87.2	15.8	-87.2	0.00	0.00	0.00
7,100.0	1.29	169.72	7,099.0	-89.4	16.2	-89.4	0.00	0.00	0.00
7,200.0	1.29	169.72	7,199.0	-91.6	16.6	-91.6	0.00	0.00	0.00
7,300.0	1.29	169.72	7,298.9	-93.8	17.0	-93.9	0.00	0.00	0.00
7,400.0	1.29	169.72	7,398.9	-96.0	17.4	-96.1	0.00	0.00	0.00
7,500.0	1.29	169.72	7,498.9	-98.2	17.8	-98.3	0.00	0.00	0.00
7,600.0	1.29	169.72	7,598.9	-100.4	18.2	-100.5	0.00	0.00	0.00
7,700.0	1.29	169.72	7,698.8	-102.7	18.6	-102.7	0.00	0.00	0.00
7,800.0	1.29	169.72	7,798.8	-104.9	19.0	-104.9	0.00	0.00	0.00
7,900.0	1.29	169.72	7,898.8	-107.1	19.4	-107.2	0.00	0.00	0.00
8,000.0	1.29	169.72	7,998.8	-109.3	19.8	-109.4	0.00	0.00	0.00
8,100.0	1.29	169.72	8,098.7	-111.5	20.2	-111.6	0.00	0.00	0.00
8,200.0	1.29	169.72	8,198.7	-113.7	20.6	-113.8	0.00	0.00	0.00
8,300.0	1.29	169.72	8,298.7	-115.9	21.0	-116.0	0.00	0.00	0.00
8,400.0	1.29	169.72	8,398.7	-118.2	21.4	-118.2	0.00	0.00	0.00
8,500.0	1.29	169.72	8,498.6	-120.4	21.8	-120.4	0.00	0.00	0.00
8,600.0	1.29	169.72	8,598.6	-122.6	22.2	-122.7	0.00	0.00	0.00
8,700.0	1.29	169.72	8,698.6	-124.8	22.6	-124.9	0.00	0.00	0.00
8,800.0	1.29	169.72	8,798.6	-127.0	23.0	-127.1	0.00	0.00	0.00
8,900.0	1.29	169.72	8,898.5	-129.2	23.4	-129.3	0.00	0.00	0.00
9,000.0	1.29	169.72	8,998.5	-131.5	23.8	-131.5	0.00	0.00	0.00
9,100.0	1.29	169.72	9,098.5	-133.7	24.2	-133.7	0.00	0.00	0.00
9,200.0	1.29	169.72	9,198.5	-135.9	24.6	-136.0	0.00	0.00	0.00
9,300.0	1.29	169.72	9,298.4	-138.1	25.0	-138.2	0.00	0.00	0.00
9,400.0	1.29	169.72	9,398.4	-140.3	25.4	-140.4	0.00	0.00	0.00
9,500.0	1.29	169.72	9,498.4	-142.5	25.8	-142.6	0.00	0.00	0.00
9,600.0	1.29	169.72	9,598.3	-144.7	26.2	-144.8	0.00	0.00	0.00
9,700.0	1.29	169.72	9,698.3	-147.0	26.6	-147.0	0.00	0.00	0.00
9,800.0	1.29	169.72	9,798.3	-149.2	27.1	-149.3	0.00	0.00	0.00
9,900.0	1.29	169.72	9,898.3	-151.4	27.5	-151.5	0.00	0.00	0.00
10,000.0	1.29	169.72	9,998.2	-153.6	27.9	-153.7	0.00	0.00	0.00
10,100.0	1.29	169.72	10,098.2	-155.8	28.3	-155.9	0.00	0.00	0.00
10,200.0	1.29	169.72	10,198.2	-158.0	28.7	-158.1	0.00	0.00	0.00
10,300.0	1.29	169.72	10,298.2	-160.2	29.1	-160.3	0.00	0.00	0.00
10,400.0	1.29	169.72	10,398.1	-162.5	29.5	-162.5	0.00	0.00	0.00
10,500.0	1.29	169.72	10,498.1	-164.7	29.9	-164.8	0.00	0.00	0.00
10,600.0	1.29	169.72	10,598.1	-166.9	30.3	-167.0	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #713H
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:	#713H	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	1.29	169.72	10,698.1	-169.1	30.7	-169.2	0.00	0.00	0.00
10,800.0	1.29	169.72	10,798.0	-171.3	31.1	-171.4	0.00	0.00	0.00
10,900.0	1.29	169.72	10,898.0	-173.5	31.5	-173.6	0.00	0.00	0.00
11,000.0	1.29	169.72	10,998.0	-175.7	31.9	-175.8	0.00	0.00	0.00
11,100.0	1.29	169.72	11,098.0	-178.0	32.3	-178.1	0.00	0.00	0.00
11,200.0	1.29	169.72	11,197.9	-180.2	32.7	-180.3	0.00	0.00	0.00
11,300.0	1.29	169.72	11,297.9	-182.4	33.1	-182.5	0.00	0.00	0.00
11,400.0	1.29	169.72	11,397.9	-184.6	33.5	-184.7	0.00	0.00	0.00
11,500.0	1.29	169.72	11,497.9	-186.8	33.9	-186.9	0.00	0.00	0.00
11,600.0	1.29	169.72	11,597.8	-189.0	34.3	-189.1	0.00	0.00	0.00
11,700.0	1.29	169.72	11,697.8	-191.2	34.7	-191.4	0.00	0.00	0.00
11,800.0	1.29	169.72	11,797.8	-193.5	35.1	-193.6	0.00	0.00	0.00
11,900.0	1.29	169.72	11,897.8	-195.7	35.5	-195.8	0.00	0.00	0.00
12,000.0	1.29	169.72	11,997.7	-197.9	35.9	-198.0	0.00	0.00	0.00
12,100.0	1.29	169.72	12,097.7	-200.1	36.3	-200.2	0.00	0.00	0.00
12,200.0	1.29	169.72	12,197.7	-202.3	36.7	-202.4	0.00	0.00	0.00
12,300.0	1.29	169.72	12,297.7	-204.5	37.1	-204.7	0.00	0.00	0.00
12,384.3	1.29	169.72	12,381.9	-206.4	37.4	-206.5	0.00	0.00	0.00
12,400.0	0.65	19.25	12,397.6	-206.5	37.5	-206.6	12.00	-4.07	-958.71
12,425.0	3.62	3.00	12,422.6	-205.6	37.6	-205.7	12.00	11.87	-65.00
12,450.0	6.62	1.42	12,447.5	-203.3	37.7	-203.5	12.00	11.99	-6.32
12,475.0	9.62	0.82	12,472.3	-199.8	37.7	-199.9	12.00	12.00	-2.39
12,500.0	12.61	0.51	12,496.8	-195.0	37.8	-195.1	12.00	12.00	-1.26
12,525.0	15.61	0.31	12,521.0	-188.9	37.8	-189.0	12.00	12.00	-0.78
12,550.0	18.61	0.18	12,544.9	-181.5	37.8	-181.7	12.00	12.00	-0.54
12,575.0	21.61	0.08	12,568.4	-172.9	37.9	-173.1	12.00	12.00	-0.39
12,600.0	24.61	0.00	12,591.4	-163.1	37.9	-163.3	12.00	12.00	-0.30
12,625.0	27.61	359.94	12,613.8	-152.1	37.9	-152.3	12.00	12.00	-0.24
12,650.0	30.61	359.90	12,635.7	-140.0	37.9	-140.1	12.00	12.00	-0.19
12,675.0	33.61	359.86	12,656.8	-126.7	37.8	-126.8	12.00	12.00	-0.16
12,700.0	36.61	359.82	12,677.3	-112.3	37.8	-112.4	12.00	12.00	-0.14
12,725.0	39.61	359.79	12,697.0	-96.9	37.7	-97.0	12.00	12.00	-0.12
12,750.0	42.61	359.76	12,715.8	-80.4	37.7	-80.6	12.00	12.00	-0.11
12,775.0	45.61	359.74	12,733.7	-63.0	37.6	-63.2	12.00	12.00	-0.10
12,800.0	48.61	359.72	12,750.8	-44.7	37.5	-44.8	12.00	12.00	-0.09
12,825.0	51.61	359.70	12,766.8	-25.5	37.4	-25.7	12.00	12.00	-0.08
12,850.0	54.61	359.68	12,781.8	-5.5	37.3	-5.7	12.00	12.00	-0.07
12,875.0	57.61	359.66	12,795.7	15.2	37.2	15.1	12.00	12.00	-0.07
12,900.0	60.61	359.65	12,808.6	36.7	37.0	36.5	12.00	12.00	-0.06
12,925.0	63.61	359.63	12,820.3	58.7	36.9	58.6	12.00	12.00	-0.06
12,950.0	66.61	359.62	12,830.8	81.4	36.8	81.3	12.00	12.00	-0.06
12,954.9	67.21	359.62	12,832.7	86.0	36.7	85.9	12.00	12.00	-0.05
FTP (Condor 32 SC #713H)									
12,975.0	69.61	359.61	12,840.1	104.6	36.6	104.5	12.00	12.00	-0.05
13,000.0	72.61	359.59	12,848.2	128.3	36.4	128.2	12.00	12.00	-0.05
13,025.0	75.61	359.58	12,855.0	152.3	36.3	152.2	12.00	12.00	-0.05
13,050.0	78.61	359.57	12,860.6	176.7	36.1	176.6	12.00	12.00	-0.05
13,075.0	81.61	359.56	12,864.9	201.3	35.9	201.2	12.00	12.00	-0.05
13,100.0	84.61	359.55	12,867.9	226.1	35.7	226.0	12.00	12.00	-0.05
13,125.0	87.61	359.53	12,869.6	251.1	35.5	250.9	12.00	12.00	-0.05
13,144.9	90.00	359.52	12,870.0	270.9	35.3	270.8	12.00	12.00	-0.05
13,200.0	90.00	359.52	12,870.0	326.0	34.9	325.9	0.00	0.00	0.00
13,300.0	90.00	359.52	12,870.0	426.0	34.1	425.9	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #713H
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:	#713H	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	12,870.0	526.0	33.2	525.9	0.00	0.00	0.00
13,500.0	90.00	359.52	12,870.0	626.0	32.4	625.9	0.00	0.00	0.00
13,600.0	90.00	359.52	12,870.0	726.0	31.6	725.9	0.00	0.00	0.00
13,700.0	90.00	359.52	12,870.0	826.0	30.7	825.9	0.00	0.00	0.00
13,800.0	90.00	359.52	12,870.0	926.0	29.9	925.9	0.00	0.00	0.00
13,900.0	90.00	359.52	12,870.0	1,026.0	29.1	1,025.9	0.00	0.00	0.00
14,000.0	90.00	359.52	12,870.0	1,126.0	28.3	1,125.9	0.00	0.00	0.00
14,100.0	90.00	359.52	12,870.0	1,226.0	27.4	1,225.9	0.00	0.00	0.00
14,200.0	90.00	359.52	12,870.0	1,326.0	26.6	1,325.9	0.00	0.00	0.00
14,300.0	90.00	359.52	12,870.0	1,426.0	25.8	1,425.9	0.00	0.00	0.00
14,400.0	90.00	359.52	12,870.0	1,526.0	24.9	1,525.9	0.00	0.00	0.00
14,500.0	90.00	359.52	12,870.0	1,626.0	24.1	1,625.9	0.00	0.00	0.00
14,600.0	90.00	359.52	12,870.0	1,726.0	23.3	1,725.9	0.00	0.00	0.00
14,700.0	90.00	359.52	12,870.0	1,826.0	22.4	1,825.9	0.00	0.00	0.00
14,800.0	90.00	359.52	12,870.0	1,926.0	21.6	1,925.9	0.00	0.00	0.00
14,900.0	90.00	359.52	12,870.0	2,026.0	20.8	2,025.9	0.00	0.00	0.00
15,000.0	90.00	359.52	12,870.0	2,126.0	20.0	2,125.9	0.00	0.00	0.00
15,100.0	90.00	359.52	12,870.0	2,226.0	19.1	2,225.9	0.00	0.00	0.00
15,200.0	90.00	359.52	12,870.0	2,326.0	18.3	2,325.9	0.00	0.00	0.00
15,300.0	90.00	359.52	12,870.0	2,426.0	17.5	2,425.9	0.00	0.00	0.00
15,400.0	90.00	359.52	12,870.0	2,526.0	16.6	2,525.9	0.00	0.00	0.00
15,500.0	90.00	359.52	12,870.0	2,626.0	15.8	2,625.9	0.00	0.00	0.00
15,600.0	90.00	359.52	12,870.0	2,726.0	15.0	2,725.9	0.00	0.00	0.00
15,700.0	90.00	359.52	12,870.0	2,826.0	14.2	2,825.9	0.00	0.00	0.00
15,800.0	90.00	359.52	12,870.0	2,926.0	13.3	2,925.9	0.00	0.00	0.00
15,900.0	90.00	359.52	12,870.0	3,026.0	12.5	3,025.9	0.00	0.00	0.00
16,000.0	90.00	359.52	12,870.0	3,126.0	11.7	3,125.9	0.00	0.00	0.00
16,100.0	90.00	359.52	12,870.0	3,225.9	10.8	3,225.9	0.00	0.00	0.00
16,200.0	90.00	359.52	12,870.0	3,325.9	10.0	3,325.9	0.00	0.00	0.00
16,300.0	90.00	359.52	12,870.0	3,425.9	9.2	3,425.9	0.00	0.00	0.00
16,400.0	90.00	359.52	12,870.0	3,525.9	8.3	3,525.9	0.00	0.00	0.00
16,500.0	90.00	359.52	12,870.0	3,625.9	7.5	3,625.9	0.00	0.00	0.00
16,600.0	90.00	359.52	12,870.0	3,725.9	6.7	3,725.9	0.00	0.00	0.00
16,700.0	90.00	359.52	12,870.0	3,825.9	5.9	3,825.9	0.00	0.00	0.00
16,800.0	90.00	359.52	12,870.0	3,925.9	5.0	3,925.9	0.00	0.00	0.00
16,900.0	90.00	359.52	12,870.0	4,025.9	4.2	4,025.9	0.00	0.00	0.00
17,000.0	90.00	359.52	12,870.0	4,125.9	3.4	4,125.9	0.00	0.00	0.00
17,100.0	90.00	359.52	12,870.0	4,225.9	2.5	4,225.9	0.00	0.00	0.00
17,200.0	90.00	359.52	12,870.0	4,325.9	1.7	4,325.9	0.00	0.00	0.00
17,300.0	90.00	359.52	12,870.0	4,425.9	0.9	4,425.9	0.00	0.00	0.00
17,400.0	90.00	359.52	12,870.0	4,525.9	0.1	4,525.9	0.00	0.00	0.00
17,500.0	90.00	359.52	12,870.0	4,625.9	-0.8	4,625.9	0.00	0.00	0.00
17,600.0	90.00	359.52	12,870.0	4,725.9	-1.6	4,725.9	0.00	0.00	0.00
17,700.0	90.00	359.52	12,870.0	4,825.9	-2.4	4,825.9	0.00	0.00	0.00
17,800.0	90.00	359.52	12,870.0	4,925.9	-3.3	4,925.9	0.00	0.00	0.00
17,900.0	90.00	359.52	12,870.0	5,025.9	-4.1	5,025.9	0.00	0.00	0.00
18,000.0	90.00	359.52	12,870.0	5,125.9	-4.9	5,125.9	0.00	0.00	0.00
18,100.0	90.00	359.52	12,870.0	5,225.9	-5.7	5,225.9	0.00	0.00	0.00
18,200.0	90.00	359.52	12,870.0	5,325.9	-6.6	5,325.9	0.00	0.00	0.00
18,300.0	90.00	359.52	12,870.0	5,425.9	-7.4	5,425.9	0.00	0.00	0.00
18,400.0	90.00	359.52	12,870.0	5,525.9	-8.2	5,525.9	0.00	0.00	0.00
18,500.0	90.00	359.52	12,870.0	5,625.9	-9.1	5,625.9	0.00	0.00	0.00
18,600.0	90.00	359.52	12,870.0	5,725.9	-9.9	5,725.9	0.00	0.00	0.00
18,700.0	90.00	359.52	12,870.0	5,825.9	-10.7	5,825.9	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 Corn
 Well: #713H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference:
 TVD Reference:
 MD Reference:
 North Reference:
 Survey Calculation Method:
 Well #713H
 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)
18,800.0	90.00	359.52	12,870.0	5,925.9	-11.6	5,925.9	0.00	0.00	0.00
18,900.0	90.00	359.52	12,870.0	6,025.9	-12.4	6,025.9	0.00	0.00	0.00
19,000.0	90.00	359.52	12,870.0	6,125.8	-13.2	6,125.9	0.00	0.00	0.00
19,100.0	90.00	359.52	12,870.0	6,225.8	-14.0	6,225.9	0.00	0.00	0.00
19,200.0	90.00	359.52	12,870.0	6,325.8	-14.9	6,325.9	0.00	0.00	0.00
19,300.0	90.00	359.52	12,870.0	6,425.8	-15.7	6,425.9	0.00	0.00	0.00
19,400.0	90.00	359.52	12,870.0	6,525.8	-16.5	6,525.9	0.00	0.00	0.00
19,500.0	90.00	359.52	12,870.0	6,625.8	-17.4	6,625.9	0.00	0.00	0.00
19,600.0	90.00	359.52	12,870.0	6,725.8	-18.2	6,725.9	0.00	0.00	0.00
19,700.0	90.00	359.52	12,870.0	6,825.8	-19.0	6,825.9	0.00	0.00	0.00
19,800.0	90.00	359.52	12,870.0	6,925.8	-19.8	6,925.8	0.00	0.00	0.00
19,900.0	90.00	359.52	12,870.0	7,025.8	-20.7	7,025.8	0.00	0.00	0.00
20,000.0	90.00	359.52	12,870.0	7,125.8	-21.5	7,125.8	0.00	0.00	0.00
20,100.0	90.00	359.52	12,870.0	7,225.8	-22.3	7,225.8	0.00	0.00	0.00
20,200.0	90.00	359.52	12,870.0	7,325.8	-23.2	7,325.8	0.00	0.00	0.00
20,301.2	90.00	359.52	12,870.0	7,427.0	-24.0	7,427.0	0.00	0.00	0.00

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 #7 - plan hits target center - Point	0.00	0.01	12,870.0	7,427.0	-24.0	401,443.00	801,297.00	32° 6' 3.110 N	103° 29' 37.733 W
FTP (Condor 32 SC #71 - plan misses target center by 40.2usft at 12954.9usft MD (12832.7 TVD, 86.0 N, 36.7 E) - Point	0.00	0.00	12,870.0	71.0	38.0	394,087.00	801,359.00	32° 4' 50.316 N	103° 29' 37.678 W