

Plan #0.1

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

3320.0

KB = 25 @ 3345.0usft (H&P 465)

Northing	Easting	Latitude	Longitude
398194.00	801781.00	32° 5' 30.923 N	103° 29' 32.402 W

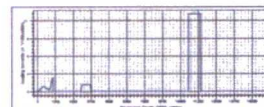
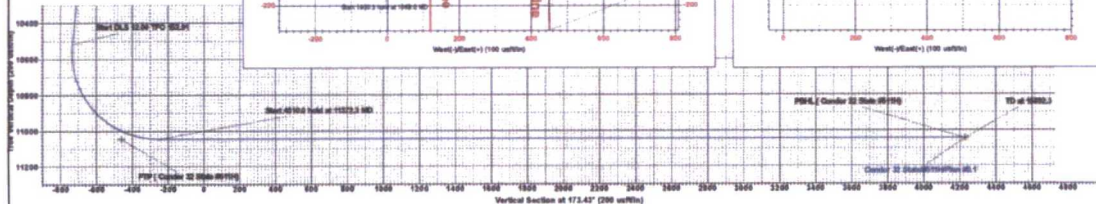
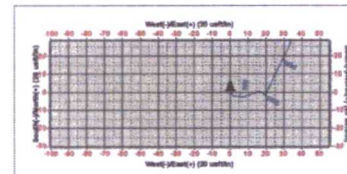
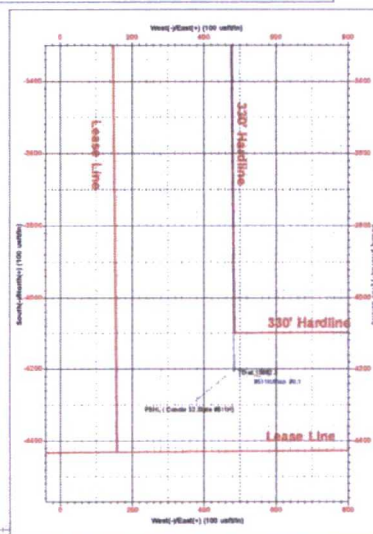
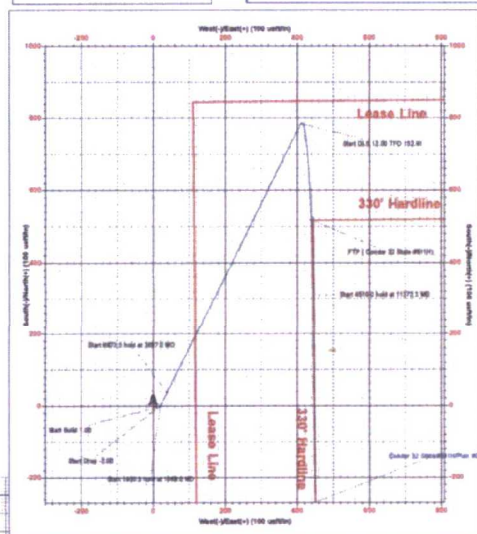
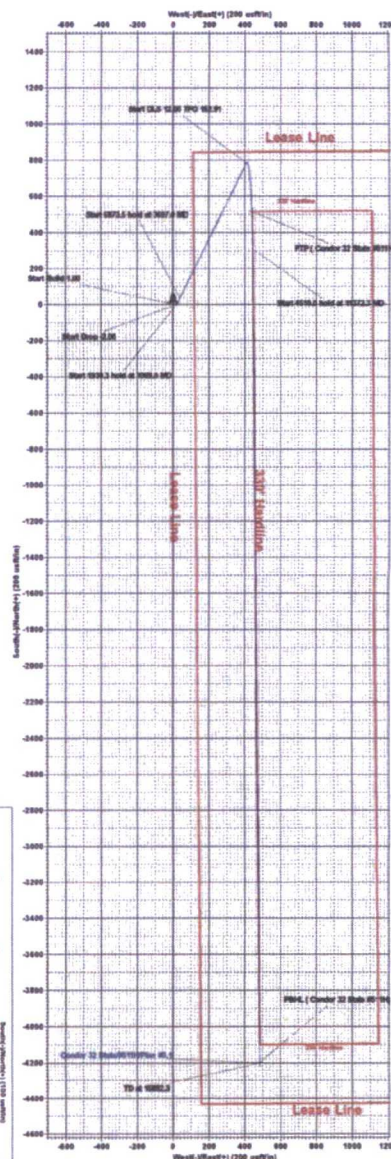
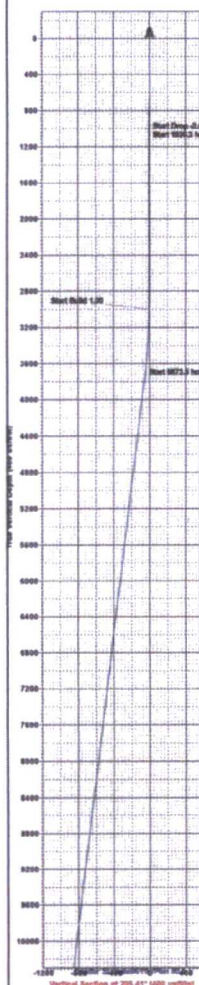
Magnetic Field
Strength: 47780.9nT
Dip Angle: 59.94°
Date: 4/25/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.37°
To convert a Magnetic Direction to a True Direction, Add 6.81° E
To convert a True Direction to a Grid Direction, Subtract 0.45°

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSect	Target
1	974.0	1.90	134.60	973.7	-6.6	18.1	0.00	0.00	2.7	
2	1069.0	0.00	0.00	1068.7	-1.7	19.3	2.00	1068.7	3.9	
3	2999.3	0.00	0.00	2999.0	-3.3	13.1	0.00	0.00	-3.9	
4	3697.0	6.98	26.39	3695.0	-16.3	38.1	1.00	26.39	-31.7	
5	10670.5	6.98	26.39	10517.8	-784.2	409.3	0.00	0.00	-733.7	
6	11372.3	90.00	179.48	11046.0	-306.8	442.9	12.00	152.91	-257.1	
7	15822.3	90.00	179.48	11046.0	-4200.0	484.0	0.00	0.00	4227.8	PBHL (Condor 32 State #511H)

No casing data is available

Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (Condor 32 State #011H)	11046.0	816.0	443.0	398710.00	802224.00
PBHL (Condor 32 State #011H)	11046.0	-4200.0	484.0	393994.60	802266.00





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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State

#511H

74844

OH

Plan: Plan #0.1

Standard Planning Report

17 May, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #511H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3345.0usft (H&P 465)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3345.0usft (H&P 465)
Site:	Condor 32 State	North Reference:	Grid
Well:	#511H	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	#511H					
Well Position	+N/-S	-696.0 usft	Northing:	398,194.00 usft	Latitude:	32° 5' 30.923 N
	+E/-W	-1,823.0 usft	Easting:	801,781.00 usft	Longitude:	103° 29' 32.402 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	4/25/2018	6.81	59.94	47,780.86782759

Design	Plan #0.1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	974.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	173.43

Plan Survey Tool Program	Date 5/17/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	222.0	974.0 Cartel #41 MWD 8' + 17' (OH)	MWD	
			OWSG MWD - Standard	
2	974.0	15,881.3 Plan #0.1 (OH)	MWD	
			OWSG MWD - Standard	



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #511H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #511H
TVD Reference: KB = 25 @ 3345.0usft (H&P 465)
MD Reference: KB = 25 @ 3345.0usft (H&P 465)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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
974.0	1.90	134.60	973.7	-0.6	18.1	0.00	0.00	0.00	0.00	
1,069.0	0.00	0.00	1,068.7	-1.7	19.3	2.00	-2.00	0.00	180.00	
2,999.3	0.00	0.00	2,999.0	-1.7	19.3	0.00	0.00	0.00	0.00	
3,697.0	6.98	26.39	3,695.0	36.3	38.1	1.00	1.00	0.00	26.39	
10,570.5	6.98	26.39	10,517.6	784.2	409.3	0.00	0.00	0.00	0.00	
11,372.3	90.00	179.48	11,046.0	309.8	442.9	12.00	10.35	19.09	152.91	
15,882.3	90.00	179.48	11,046.0	-4,200.0	484.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 St



Planning Report

Database: EDM 5000.14
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 83 NME)
 Site: Condor 32 State
 Well: #511H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #511H
 TVD Reference: KB = 25 @ 3345.0usft (H&P 465)
 MD Reference: KB = 25 @ 3345.0usft (H&P 465)
 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
222.0	0.90	150.30	222.0	-1.5	0.9	1.6	0.41	0.41	0.00
342.0	0.60	84.00	342.0	-2.3	2.0	2.5	0.71	-0.25	-55.25
468.0	1.50	100.80	468.0	-2.5	4.2	3.0	0.75	0.71	13.33
595.0	1.70	82.10	594.9	-2.6	7.7	3.4	0.44	0.16	-14.72
847.0	1.80	60.90	846.8	-0.1	14.9	1.8	0.26	0.04	-8.41
974.0	1.90	134.60	973.7	-0.6	18.1	2.7	1.75	0.08	58.03
1,000.0	1.38	134.60	999.7	-1.2	18.7	3.3	2.00	-2.00	0.00
1,069.0	0.00	0.00	1,068.7	-1.7	19.3	3.9	2.00	-2.00	0.00
1,100.0	0.00	0.00	1,099.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,200.0	0.00	0.00	1,199.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,300.0	0.00	0.00	1,299.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,400.0	0.00	0.00	1,399.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,500.0	0.00	0.00	1,499.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,600.0	0.00	0.00	1,599.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,700.0	0.00	0.00	1,699.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,800.0	0.00	0.00	1,799.7	-1.7	19.3	3.9	0.00	0.00	0.00
1,900.0	0.00	0.00	1,899.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,000.0	0.00	0.00	1,999.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,100.0	0.00	0.00	2,099.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,200.0	0.00	0.00	2,199.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,300.0	0.00	0.00	2,299.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,400.0	0.00	0.00	2,399.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,500.0	0.00	0.00	2,499.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,600.0	0.00	0.00	2,599.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,700.0	0.00	0.00	2,699.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,800.0	0.00	0.00	2,799.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,900.0	0.00	0.00	2,899.7	-1.7	19.3	3.9	0.00	0.00	0.00
2,999.3	0.00	0.00	2,999.0	-1.7	19.3	3.9	0.00	0.00	0.00
3,100.0	1.01	26.39	3,099.7	-0.9	19.7	3.2	1.00	1.00	0.00
3,200.0	2.01	26.39	3,199.7	1.4	20.8	1.0	1.00	1.00	0.00
3,300.0	3.01	26.39	3,299.6	5.3	22.8	-2.7	1.00	1.00	0.00
3,400.0	4.01	26.39	3,399.4	10.8	25.5	-7.8	1.00	1.00	0.00
3,500.0	5.01	26.39	3,499.1	17.8	29.0	-14.4	1.00	1.00	0.00
3,600.0	6.01	26.39	3,598.6	26.4	33.2	-22.5	1.00	1.00	0.00
3,697.0	6.98	26.39	3,695.0	36.3	38.1	-31.7	1.00	1.00	0.00
3,700.0	6.98	26.39	3,698.0	36.6	38.3	-32.0	0.00	0.00	0.00
3,800.0	6.98	26.39	3,797.2	47.5	43.7	-42.2	0.00	0.00	0.00
3,900.0	6.98	26.39	3,896.5	58.4	49.1	-52.4	0.00	0.00	0.00
4,000.0	6.98	26.39	3,995.8	69.2	54.5	-62.5	0.00	0.00	0.00
4,100.0	6.98	26.39	4,095.0	80.1	59.9	-72.7	0.00	0.00	0.00
4,200.0	6.98	26.39	4,194.3	91.0	65.3	-82.9	0.00	0.00	0.00
4,300.0	6.98	26.39	4,293.5	101.9	70.7	-93.1	0.00	0.00	0.00
4,400.0	6.98	26.39	4,392.8	112.8	76.1	-103.3	0.00	0.00	0.00
4,500.0	6.98	26.39	4,492.1	123.6	81.5	-113.5	0.00	0.00	0.00
4,600.0	6.98	26.39	4,591.3	134.5	86.9	-123.7	0.00	0.00	0.00
4,700.0	6.98	26.39	4,690.6	145.4	92.3	-133.9	0.00	0.00	0.00
4,800.0	6.98	26.39	4,789.8	156.3	97.7	-144.1	0.00	0.00	0.00
4,900.0	6.98	26.39	4,889.1	167.2	103.1	-154.3	0.00	0.00	0.00
5,000.0	6.98	26.39	4,988.4	178.0	108.5	-164.5	0.00	0.00	0.00
5,100.0	6.98	26.39	5,087.6	188.9	113.9	-174.6	0.00	0.00	0.00
5,200.0	6.98	26.39	5,186.9	199.8	119.3	-184.8	0.00	0.00	0.00
5,300.0	6.98	26.39	5,286.1	210.7	124.7	-195.0	0.00	0.00	0.00
5,400.0	6.98	26.39	5,385.4	221.6	130.1	-205.2	0.00	0.00	0.00



Planning Report

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Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #511H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Well #511H
KB = 25 @ 3345.0usft (H&P 465)
KB = 25 @ 3345.0usft (H&P 465)
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)
5,500.0	6.98	26.39	5,484.7	232.5	135.5	-215.4	0.00	0.00	0.00
5,600.0	6.98	26.39	5,583.9	243.3	140.9	-225.6	0.00	0.00	0.00
5,700.0	6.98	26.39	5,683.2	254.2	146.3	-235.8	0.00	0.00	0.00
5,800.0	6.98	26.39	5,782.4	265.1	151.7	-246.0	0.00	0.00	0.00
5,900.0	6.98	26.39	5,881.7	276.0	157.1	-256.2	0.00	0.00	0.00
6,000.0	6.98	26.39	5,981.0	286.9	162.5	-266.4	0.00	0.00	0.00
6,100.0	6.98	26.39	6,080.2	297.7	167.9	-276.6	0.00	0.00	0.00
6,200.0	6.98	26.39	6,179.5	308.6	173.3	-286.8	0.00	0.00	0.00
6,300.0	6.98	26.39	6,278.7	319.5	178.7	-296.9	0.00	0.00	0.00
6,400.0	6.98	26.39	6,378.0	330.4	184.1	-307.1	0.00	0.00	0.00
6,500.0	6.98	26.39	6,477.2	341.3	189.5	-317.3	0.00	0.00	0.00
6,600.0	6.98	26.39	6,576.5	352.1	194.9	-327.5	0.00	0.00	0.00
6,700.0	6.98	26.39	6,675.8	363.0	200.3	-337.7	0.00	0.00	0.00
6,800.0	6.98	26.39	6,775.0	373.9	205.7	-347.9	0.00	0.00	0.00
6,900.0	6.98	26.39	6,874.3	384.8	211.1	-358.1	0.00	0.00	0.00
7,000.0	6.98	26.39	6,973.5	395.7	216.5	-368.3	0.00	0.00	0.00
7,100.0	6.98	26.39	7,072.8	406.5	221.9	-378.5	0.00	0.00	0.00
7,200.0	6.98	26.39	7,172.1	417.4	227.3	-388.7	0.00	0.00	0.00
7,300.0	6.98	26.39	7,271.3	428.3	232.7	-398.9	0.00	0.00	0.00
7,400.0	6.98	26.39	7,370.6	439.2	238.1	-409.1	0.00	0.00	0.00
7,500.0	6.98	26.39	7,469.8	450.1	243.5	-419.2	0.00	0.00	0.00
7,600.0	6.98	26.39	7,569.1	461.0	248.9	-429.4	0.00	0.00	0.00
7,700.0	6.98	26.39	7,668.4	471.8	254.3	-439.6	0.00	0.00	0.00
7,800.0	6.98	26.39	7,767.6	482.7	259.7	-449.8	0.00	0.00	0.00
7,900.0	6.98	26.39	7,866.9	493.6	265.1	-460.0	0.00	0.00	0.00
8,000.0	6.98	26.39	7,966.1	504.5	270.5	-470.2	0.00	0.00	0.00
8,100.0	6.98	26.39	8,065.4	515.4	275.9	-480.4	0.00	0.00	0.00
8,200.0	6.98	26.39	8,164.7	526.2	281.3	-490.6	0.00	0.00	0.00
8,300.0	6.98	26.39	8,263.9	537.1	286.7	-500.8	0.00	0.00	0.00
8,400.0	6.98	26.39	8,363.2	548.0	292.1	-511.0	0.00	0.00	0.00
8,500.0	6.98	26.39	8,462.4	558.9	297.5	-521.2	0.00	0.00	0.00
8,600.0	6.98	26.39	8,561.7	569.8	302.9	-531.3	0.00	0.00	0.00
8,700.0	6.98	26.39	8,661.0	580.6	308.3	-541.5	0.00	0.00	0.00
8,800.0	6.98	26.39	8,760.2	591.5	313.7	-551.7	0.00	0.00	0.00
8,900.0	6.98	26.39	8,859.5	602.4	319.1	-561.9	0.00	0.00	0.00
9,000.0	6.98	26.39	8,958.7	613.3	324.5	-572.1	0.00	0.00	0.00
9,100.0	6.98	26.39	9,058.0	624.2	329.9	-582.3	0.00	0.00	0.00
9,200.0	6.98	26.39	9,157.3	635.1	335.3	-592.5	0.00	0.00	0.00
9,300.0	6.98	26.39	9,256.5	645.9	340.7	-602.7	0.00	0.00	0.00
9,400.0	6.98	26.39	9,355.8	656.8	346.1	-612.9	0.00	0.00	0.00
9,500.0	6.98	26.39	9,455.0	667.7	351.5	-623.1	0.00	0.00	0.00
9,600.0	6.98	26.39	9,554.3	678.6	356.9	-633.3	0.00	0.00	0.00
9,700.0	6.98	26.39	9,653.6	689.5	362.3	-643.5	0.00	0.00	0.00
9,800.0	6.98	26.39	9,752.8	700.3	367.7	-653.6	0.00	0.00	0.00
9,900.0	6.98	26.39	9,852.1	711.2	373.1	-663.8	0.00	0.00	0.00
10,000.0	6.98	26.39	9,951.3	722.1	378.5	-674.0	0.00	0.00	0.00
10,100.0	6.98	26.39	10,050.6	733.0	383.9	-684.2	0.00	0.00	0.00
10,200.0	6.98	26.39	10,149.8	743.9	389.3	-694.4	0.00	0.00	0.00
10,300.0	6.98	26.39	10,249.1	754.7	394.7	-704.6	0.00	0.00	0.00
10,400.0	6.98	26.39	10,348.4	765.6	400.1	-714.8	0.00	0.00	0.00
10,500.0	6.98	26.39	10,447.6	776.5	405.5	-725.0	0.00	0.00	0.00
10,570.5	6.98	26.39	10,517.6	784.2	409.3	-732.2	0.00	0.00	0.00
10,575.0	6.50	28.55	10,522.1	784.6	409.5	-732.6	12.00	-10.58	48.25
10,600.0	4.15	49.23	10,547.0	786.5	410.9	-734.3	12.00	-9.41	82.70



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #511H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #511H
TVD Reference: KB = 25 @ 3345.0usft (H&P 465)
MD Reference: KB = 25 @ 3345.0usft (H&P 465)
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)
10,625.0	3.19	95.22	10,571.9	787.0	412.3	-734.6	12.00	-3.86	183.99
10,650.0	4.59	135.83	10,596.9	786.2	413.7	-733.7	12.00	5.61	162.43
10,675.0	7.07	152.93	10,621.7	784.1	415.1	-731.5	12.00	9.91	68.41
10,700.0	9.84	160.85	10,646.5	780.8	416.5	-727.9	12.00	11.09	31.66
10,725.0	12.71	165.26	10,671.0	776.1	417.9	-723.1	12.00	11.50	17.66
10,750.0	15.64	168.06	10,695.2	770.1	419.2	-717.1	12.00	11.69	11.19
10,775.0	18.58	169.99	10,719.1	762.9	420.6	-709.7	12.00	11.78	7.73
10,800.0	21.54	171.41	10,742.6	754.4	422.0	-701.2	12.00	11.84	5.67
10,825.0	24.51	172.50	10,765.6	744.8	423.4	-691.4	12.00	11.88	4.36
10,850.0	27.49	173.37	10,788.1	733.9	424.7	-680.4	12.00	11.90	3.46
10,875.0	30.47	174.07	10,809.9	721.8	426.0	-668.3	12.00	11.92	2.83
10,900.0	33.45	174.67	10,831.1	708.7	427.3	-655.1	12.00	11.93	2.37
10,925.0	36.44	175.17	10,851.6	694.4	428.6	-640.8	12.00	11.94	2.03
10,950.0	39.43	175.61	10,871.3	679.1	429.8	-625.4	12.00	11.95	1.76
10,975.0	42.42	176.00	10,890.2	662.8	431.0	-609.1	12.00	11.96	1.55
11,000.0	45.41	176.35	10,908.2	645.5	432.2	-591.7	12.00	11.96	1.38
11,025.0	48.40	176.66	10,925.3	627.2	433.3	-573.5	12.00	11.97	1.25
11,050.0	51.39	176.94	10,941.4	608.2	434.4	-554.4	12.00	11.97	1.14
11,075.0	54.38	177.20	10,956.5	588.2	435.4	-534.5	12.00	11.97	1.04
11,100.0	57.38	177.45	10,970.5	567.6	436.3	-513.9	12.00	11.97	0.97
11,125.0	60.37	177.67	10,983.5	546.2	437.3	-492.5	12.00	11.97	0.91
11,150.0	63.36	177.89	10,995.2	524.2	438.1	-470.6	12.00	11.98	0.85
11,175.0	66.36	178.09	11,005.9	501.6	438.9	-448.0	12.00	11.98	0.81
11,176.9	66.58	178.10	11,006.6	499.8	439.0	-446.3	12.00	11.98	0.79
FTP (Condor 32 State #511H)									
11,200.0	69.35	178.28	11,015.3	478.4	439.6	-424.9	12.00	11.98	0.77
11,225.0	72.35	178.47	11,023.5	454.8	440.3	-401.4	12.00	11.98	0.74
11,250.0	75.34	178.65	11,030.4	430.8	440.9	-377.5	12.00	11.98	0.72
11,275.0	78.34	178.82	11,036.1	406.5	441.5	-353.3	12.00	11.98	0.70
11,300.0	81.33	178.99	11,040.5	381.9	441.9	-328.8	12.00	11.98	0.69
11,325.0	84.33	179.16	11,043.7	357.1	442.3	-304.1	12.00	11.98	0.67
11,350.0	87.32	179.33	11,045.5	332.1	442.6	-279.3	12.00	11.98	0.67
11,372.3	90.00	179.48	11,046.0	309.8	442.9	-257.1	12.00	11.98	0.66
11,400.0	90.00	179.48	11,046.0	282.2	443.1	-229.6	0.00	0.00	0.00
11,500.0	90.00	179.48	11,046.0	182.2	444.0	-130.1	0.00	0.00	0.00
11,600.0	90.00	179.48	11,046.0	82.2	445.0	-30.7	0.00	0.00	0.00
11,700.0	90.00	179.48	11,046.0	-17.8	445.9	68.8	0.00	0.00	0.00
11,800.0	90.00	179.48	11,046.0	-117.8	446.8	168.2	0.00	0.00	0.00
11,900.0	90.00	179.48	11,046.0	-217.8	447.7	267.6	0.00	0.00	0.00
12,000.0	90.00	179.48	11,046.0	-317.8	448.6	367.1	0.00	0.00	0.00
12,100.0	90.00	179.48	11,046.0	-417.8	449.5	466.5	0.00	0.00	0.00
12,200.0	90.00	179.48	11,046.0	-517.8	450.4	566.0	0.00	0.00	0.00
12,300.0	90.00	179.48	11,046.0	-617.8	451.3	665.4	0.00	0.00	0.00
12,400.0	90.00	179.48	11,046.0	-717.8	452.2	764.9	0.00	0.00	0.00
12,500.0	90.00	179.48	11,046.0	-817.8	453.2	864.3	0.00	0.00	0.00
12,600.0	90.00	179.48	11,046.0	-917.8	454.1	963.7	0.00	0.00	0.00
12,700.0	90.00	179.48	11,046.0	-1,017.8	455.0	1,063.2	0.00	0.00	0.00
12,800.0	90.00	179.48	11,046.0	-1,117.8	455.9	1,162.6	0.00	0.00	0.00
12,900.0	90.00	179.48	11,046.0	-1,217.8	456.8	1,262.1	0.00	0.00	0.00
13,000.0	90.00	179.48	11,046.0	-1,317.8	457.7	1,361.5	0.00	0.00	0.00
13,100.0	90.00	179.48	11,046.0	-1,417.8	458.6	1,461.0	0.00	0.00	0.00
13,200.0	90.00	179.48	11,046.0	-1,517.8	459.5	1,560.4	0.00	0.00	0.00
13,300.0	90.00	179.48	11,046.0	-1,617.8	460.5	1,659.8	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: #511H
 Wellbore: OH
 Design: Plan #0.1

Local Co-ordinate Reference: Well #511H
 TVD Reference: KB = 25 @ 3345.0usft (H&P 465)
 MD Reference: KB = 25 @ 3345.0usft (H&P 465)
 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)
13,400.0	90.00	179.48	11,046.0	-1,717.8	461.4	1,759.3	0.00	0.00	0.00
13,500.0	90.00	179.48	11,046.0	-1,817.8	462.3	1,858.7	0.00	0.00	0.00
13,600.0	90.00	179.48	11,046.0	-1,917.8	463.2	1,958.2	0.00	0.00	0.00
13,700.0	90.00	179.48	11,046.0	-2,017.7	464.1	2,057.6	0.00	0.00	0.00
13,800.0	90.00	179.48	11,046.0	-2,117.7	465.0	2,157.1	0.00	0.00	0.00
13,900.0	90.00	179.48	11,046.0	-2,217.7	465.9	2,256.5	0.00	0.00	0.00
14,000.0	90.00	179.48	11,046.0	-2,317.7	466.8	2,355.9	0.00	0.00	0.00
14,100.0	90.00	179.48	11,046.0	-2,417.7	467.7	2,455.4	0.00	0.00	0.00
14,200.0	90.00	179.48	11,046.0	-2,517.7	468.7	2,554.8	0.00	0.00	0.00
14,300.0	90.00	179.48	11,046.0	-2,617.7	469.6	2,654.3	0.00	0.00	0.00
14,400.0	90.00	179.48	11,046.0	-2,717.7	470.5	2,753.7	0.00	0.00	0.00
14,500.0	90.00	179.48	11,046.0	-2,817.7	471.4	2,853.2	0.00	0.00	0.00
14,600.0	90.00	179.48	11,046.0	-2,917.7	472.3	2,952.6	0.00	0.00	0.00
14,700.0	90.00	179.48	11,046.0	-3,017.7	473.2	3,052.0	0.00	0.00	0.00
14,800.0	90.00	179.48	11,046.0	-3,117.7	474.1	3,151.5	0.00	0.00	0.00
14,900.0	90.00	179.48	11,046.0	-3,217.7	475.0	3,250.9	0.00	0.00	0.00
15,000.0	90.00	179.48	11,046.0	-3,317.7	476.0	3,350.4	0.00	0.00	0.00
15,100.0	90.00	179.48	11,046.0	-3,417.7	476.9	3,449.8	0.00	0.00	0.00
15,200.0	90.00	179.48	11,046.0	-3,517.7	477.8	3,549.3	0.00	0.00	0.00
15,300.0	90.00	179.48	11,046.0	-3,617.7	478.7	3,648.7	0.00	0.00	0.00
15,400.0	90.00	179.48	11,046.0	-3,717.7	479.6	3,748.1	0.00	0.00	0.00
15,500.0	90.00	179.48	11,046.0	-3,817.7	480.5	3,847.6	0.00	0.00	0.00
15,600.0	90.00	179.48	11,046.0	-3,917.7	481.4	3,947.0	0.00	0.00	0.00
15,700.0	90.00	179.48	11,046.0	-4,017.7	482.3	4,046.5	0.00	0.00	0.00
15,800.0	90.00	179.48	11,046.0	-4,117.7	483.2	4,145.9	0.00	0.00	0.00
15,882.3	90.00	179.48	11,046.0	-4,200.0	484.0	4,227.8	0.00	0.00	0.00

PBHL (Condor 32 State #511H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL (Condor 32 State	0.00	0.00	11,046.0	-4,200.0	484.0	393,994.00	802,265.00	32° 4' 49.326 N	103° 29' 27.157 W
- plan hits target center									
- Point									
FTP (Condor 32 State #	0.00	0.00	11,046.0	516.0	443.0	398,710.00	802,224.00	32° 5' 35.995 N	103° 29' 27.205 W
- plan misses target center by 42.8usft at 11176.9usft MD (11006.6 TVD, 499.8 N, 439.0 E)									
- Point									