



HOBBS OCD

MAY 15 2018

RECEIVED

Lea County, NM (NAD 83 NME)

Condor 32 State #310H

H&P 424

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: #310H

KB = 25 @ 3345.0' (H&P 424) 3320.0
Northing 398193.00 Easting 801748.00 Latitude 32° 5' 30.916 N Longitude 103° 29' 32.785 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dlog	TFace	VSec	Target
1	958.0	0.70	87.30	957.8	-6.1	15.2	0.00	0.00	7.9	
2	993.0	0.00	0.00	992.8	-6.1	15.4	2.00	180.00	7.9	
3	3000.2	0.00	0.00	3000.0	-6.1	15.4	0.00	0.00	7.9	
4	3385.0	7.70	28.32	3383.7	16.7	27.6	2.00	28.32	-13.2	
5	9953.1	7.70	28.32	9892.6	791.0	444.9	0.00	0.00	-730.7	
6	10759.3	90.00	179.57	10425.0	317.1	483.1	12.00	151.03	-255.7	
7	15275.5	90.00	179.57	10425.0	-4199.0	517.0	0.00	0.00	4230.7	PBHL (Condor 32 State #310H)

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

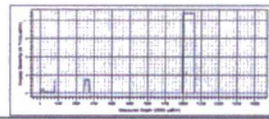
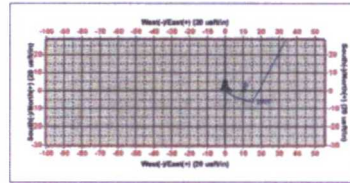
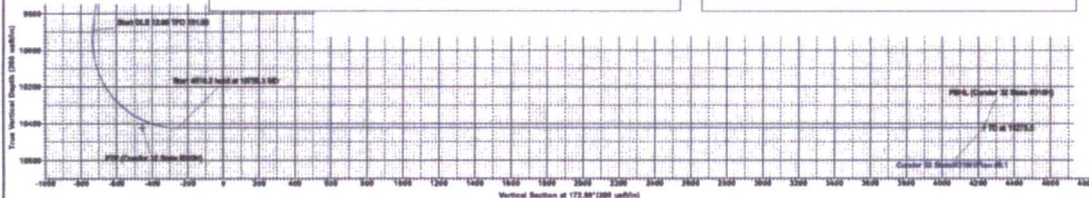
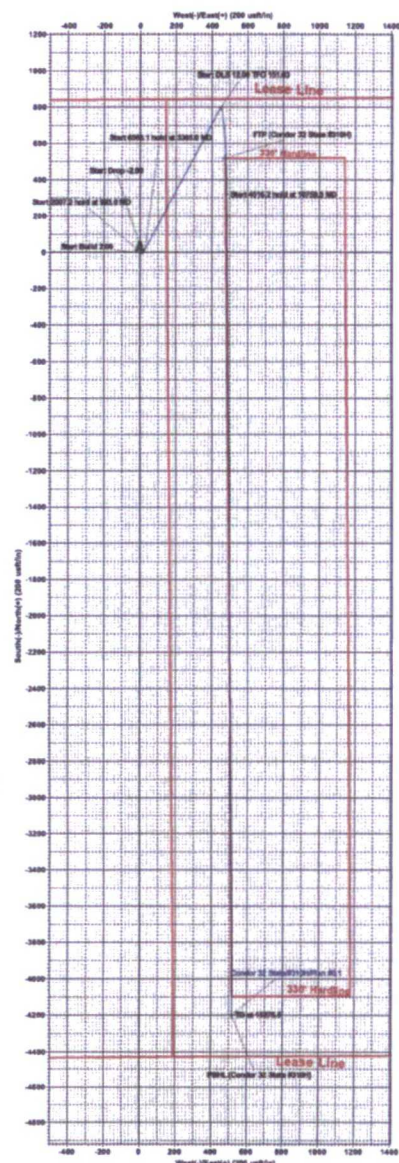
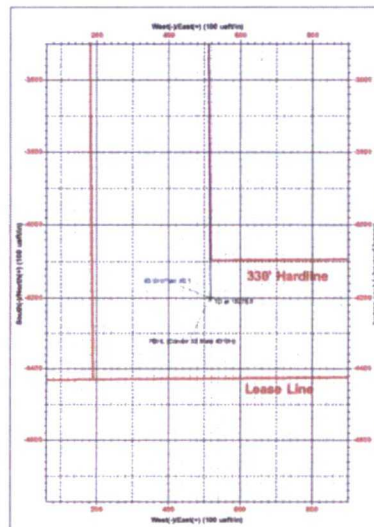
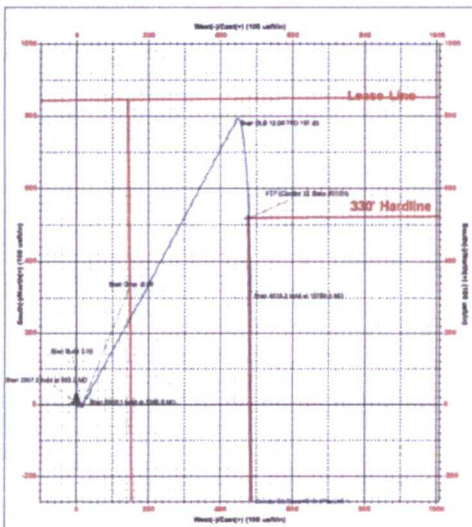
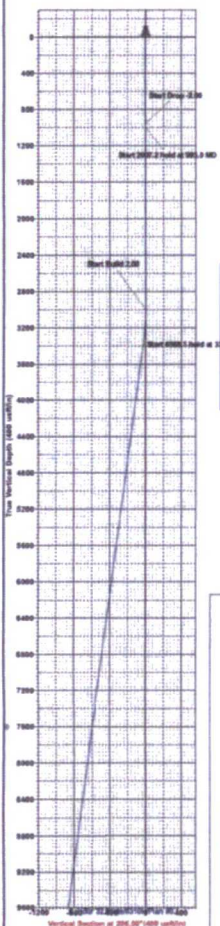


Azimuths to Grid North
True North: -0.45°
Magnetic North: 6.37°
Magnetic Field
Strength: 47780.9nT
Dip Angle: 58.94°
Date: 4/25/2018
Model: IGRF2015

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 #310H)	10425.0	517.0	476.8	398716.00	802224.00
PBHL (Condor 32 State #310H)	10425.0	-4199.0	517.0	393954.00	802285.00



NO Casing Data Available
H&P 424
Plan #0.1
May 15, 2018



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EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State

#310H

74845

OH

Plan: Plan #0.1

Standard Planning Report

15 May, 2018



Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #310H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3345.0usft (H&P 424)
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3345.0usft (H&P 424)
Site:	Condor 32 State	North Reference:	Grid
Well:	#310H	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
From:	Map	Easting:	803,604.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 37.669 N
		Longitude:	103° 29' 11.148 W
		Grid Convergence:	0.45 °

Well	#310H		
Well Position	+N/-S	-697.0 usft	Northing:
	+E/-W	-1,856.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 5' 30.916 N
		Longitude:	103° 29' 32.785 W
		Ground Level:	3,320.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	4/25/2018	6.81
			Dip Angle
			59.94
			Field Strength
			47,780.85550859

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			958.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			172.98

Plan Survey Tool Program	Date 5/15/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	167.0	958.0 Invicta MWD (OH)	MWD
			OWSG MWD - Standard
2	958.0	15,275.3 Plan #0.1 (OH)	MWD
			OWSG MWD - Standard
			Remarks

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Site:	Condor 32 State	North Reference:	Grid
Well:	#310H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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
958.0	0.70	87.80	957.8	-6.1	15.2	0.00	0.00	0.00	0.00	
993.0	0.00	0.00	992.8	-6.1	15.4	2.00	-2.00	0.00	180.00	
3,000.2	0.00	0.00	3,000.0	-6.1	15.4	0.00	0.00	0.00	0.00	
3,385.0	7.70	28.32	3,383.7	16.7	27.6	2.00	2.00	0.00	28.32	
9,953.1	7.70	28.32	9,892.6	791.0	444.9	0.00	0.00	0.00	0.00	
10,759.3	90.00	179.57	10,425.0	317.1	483.1	12.00	10.21	18.76	151.03	
15,275.5	90.00	179.57	10,425.0	-4,199.0	517.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 Sta

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Site:	Condor 32 State	North Reference:	Grid
Well:	#310H	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
167.0	1.00	122.10	167.0	-0.8	1.2	0.9	0.60	0.60	0.00
287.0	1.20	125.80	287.0	-2.1	3.1	2.4	0.18	0.17	3.08
413.0	1.30	115.10	412.9	-3.4	5.5	4.1	0.20	0.08	-8.49
540.0	1.20	106.40	539.9	-4.4	8.1	5.4	0.17	-0.08	-6.85
791.0	1.00	104.80	790.9	-5.7	12.7	7.2	0.08	-0.08	-0.64
958.0	0.70	87.80	957.8	-6.1	15.2	7.9	0.23	-0.18	-10.18
993.0	0.00	0.00	992.8	-6.1	15.4	7.9	2.00	-2.00	0.00
1,000.0	0.00	0.00	999.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,100.0	0.00	0.00	1,099.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,200.0	0.00	0.00	1,199.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,300.0	0.00	0.00	1,299.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,400.0	0.00	0.00	1,399.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,500.0	0.00	0.00	1,499.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,600.0	0.00	0.00	1,599.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,700.0	0.00	0.00	1,699.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,800.0	0.00	0.00	1,799.8	-6.1	15.4	7.9	0.00	0.00	0.00
1,900.0	0.00	0.00	1,899.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,000.0	0.00	0.00	1,999.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,100.0	0.00	0.00	2,099.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,200.0	0.00	0.00	2,199.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,300.0	0.00	0.00	2,299.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,400.0	0.00	0.00	2,399.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,500.0	0.00	0.00	2,499.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,600.0	0.00	0.00	2,599.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,700.0	0.00	0.00	2,699.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,800.0	0.00	0.00	2,799.8	-6.1	15.4	7.9	0.00	0.00	0.00
2,900.0	0.00	0.00	2,899.8	-6.1	15.4	7.9	0.00	0.00	0.00
3,000.2	0.00	0.00	3,000.0	-6.1	15.4	7.9	0.00	0.00	0.00
3,100.0	2.00	28.32	3,099.8	-4.5	16.2	6.5	2.00	2.00	0.00
3,200.0	4.00	28.32	3,199.7	0.1	18.7	2.2	2.00	2.00	0.00
3,300.0	6.00	28.32	3,299.3	7.7	22.8	-4.9	2.00	2.00	0.00
3,385.0	7.70	28.32	3,383.7	16.7	27.6	-13.2	2.00	2.00	0.00
3,400.0	7.70	28.32	3,398.6	18.4	28.6	-14.8	0.00	0.00	0.00
3,500.0	7.70	28.32	3,497.7	30.2	34.9	-25.7	0.00	0.00	0.00
3,600.0	7.70	28.32	3,596.8	42.0	41.3	-36.7	0.00	0.00	0.00
3,700.0	7.70	28.32	3,695.8	53.8	47.6	-47.6	0.00	0.00	0.00
3,800.0	7.70	28.32	3,794.9	65.6	54.0	-58.5	0.00	0.00	0.00
3,900.0	7.70	28.32	3,894.0	77.4	60.3	-69.4	0.00	0.00	0.00
4,000.0	7.70	28.32	3,993.1	89.2	66.7	-80.3	0.00	0.00	0.00
4,100.0	7.70	28.32	4,092.2	101.0	73.0	-91.3	0.00	0.00	0.00
4,200.0	7.70	28.32	4,191.3	112.7	79.4	-102.2	0.00	0.00	0.00
4,300.0	7.70	28.32	4,290.4	124.5	85.7	-113.1	0.00	0.00	0.00
4,400.0	7.70	28.32	4,389.5	136.3	92.1	-124.0	0.00	0.00	0.00
4,500.0	7.70	28.32	4,488.6	148.1	98.5	-135.0	0.00	0.00	0.00
4,600.0	7.70	28.32	4,587.7	159.9	104.8	-145.9	0.00	0.00	0.00
4,700.0	7.70	28.32	4,686.8	171.7	111.2	-156.8	0.00	0.00	0.00
4,800.0	7.70	28.32	4,785.9	183.5	117.5	-167.7	0.00	0.00	0.00
4,900.0	7.70	28.32	4,885.0	195.3	123.9	-178.7	0.00	0.00	0.00
5,000.0	7.70	28.32	4,984.1	207.1	130.2	-189.6	0.00	0.00	0.00
5,100.0	7.70	28.32	5,083.2	218.8	136.6	-200.5	0.00	0.00	0.00
5,200.0	7.70	28.32	5,182.3	230.6	142.9	-211.4	0.00	0.00	0.00
5,300.0	7.70	28.32	5,281.4	242.4	149.3	-222.4	0.00	0.00	0.00
5,400.0	7.70	28.32	5,380.5	254.2	155.6	-233.3	0.00	0.00	0.00

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Site:	Condor 32 State	North Reference:	Grid
Well:	#310H	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)
5,500.0	7.70	28.32	5,479.6	266.0	162.0	-244.2	0.00	0.00	0.00
5,600.0	7.70	28.32	5,578.7	277.8	168.4	-255.1	0.00	0.00	0.00
5,700.0	7.70	28.32	5,677.8	289.6	174.7	-266.1	0.00	0.00	0.00
5,800.0	7.70	28.32	5,776.9	301.4	181.1	-277.0	0.00	0.00	0.00
5,900.0	7.70	28.32	5,876.0	313.2	187.4	-287.9	0.00	0.00	0.00
6,000.0	7.70	28.32	5,975.1	324.9	193.8	-298.8	0.00	0.00	0.00
6,100.0	7.70	28.32	6,074.2	336.7	200.1	-309.8	0.00	0.00	0.00
6,200.0	7.70	28.32	6,173.3	348.5	206.5	-320.7	0.00	0.00	0.00
6,300.0	7.70	28.32	6,272.4	360.3	212.8	-331.6	0.00	0.00	0.00
6,400.0	7.70	28.32	6,371.5	372.1	219.2	-342.5	0.00	0.00	0.00
6,500.0	7.70	28.32	6,470.6	383.9	225.5	-353.4	0.00	0.00	0.00
6,600.0	7.70	28.32	6,569.7	395.7	231.9	-364.4	0.00	0.00	0.00
6,700.0	7.70	28.32	6,668.8	407.5	238.2	-375.3	0.00	0.00	0.00
6,800.0	7.70	28.32	6,767.9	419.3	244.6	-386.2	0.00	0.00	0.00
6,900.0	7.70	28.32	6,867.0	431.0	251.0	-397.1	0.00	0.00	0.00
7,000.0	7.70	28.32	6,966.1	442.8	257.3	-408.1	0.00	0.00	0.00
7,100.0	7.70	28.32	7,065.2	454.6	263.7	-419.0	0.00	0.00	0.00
7,200.0	7.70	28.32	7,164.3	466.4	270.0	-429.9	0.00	0.00	0.00
7,300.0	7.70	28.32	7,263.4	478.2	276.4	-440.8	0.00	0.00	0.00
7,400.0	7.70	28.32	7,362.5	490.0	282.7	-451.8	0.00	0.00	0.00
7,500.0	7.70	28.32	7,461.6	501.8	289.1	-462.7	0.00	0.00	0.00
7,600.0	7.70	28.32	7,560.7	513.6	295.4	-473.6	0.00	0.00	0.00
7,700.0	7.70	28.32	7,659.8	525.4	301.8	-484.5	0.00	0.00	0.00
7,800.0	7.70	28.32	7,758.9	537.1	308.1	-495.5	0.00	0.00	0.00
7,900.0	7.70	28.32	7,858.0	548.9	314.5	-506.4	0.00	0.00	0.00
8,000.0	7.70	28.32	7,957.1	560.7	320.8	-517.3	0.00	0.00	0.00
8,100.0	7.70	28.32	8,056.2	572.5	327.2	-528.2	0.00	0.00	0.00
8,200.0	7.70	28.32	8,155.3	584.3	333.6	-539.2	0.00	0.00	0.00
8,300.0	7.70	28.32	8,254.4	596.1	339.9	-550.1	0.00	0.00	0.00
8,400.0	7.70	28.32	8,353.5	607.9	346.3	-561.0	0.00	0.00	0.00
8,500.0	7.70	28.32	8,452.6	619.7	352.6	-571.9	0.00	0.00	0.00
8,600.0	7.70	28.32	8,551.7	631.5	359.0	-582.9	0.00	0.00	0.00
8,700.0	7.70	28.32	8,650.8	643.2	365.3	-593.8	0.00	0.00	0.00
8,800.0	7.70	28.32	8,749.9	655.0	371.7	-604.7	0.00	0.00	0.00
8,900.0	7.70	28.32	8,849.0	666.8	378.0	-615.6	0.00	0.00	0.00
9,000.0	7.70	28.32	8,948.1	678.6	384.4	-626.5	0.00	0.00	0.00
9,100.0	7.70	28.32	9,047.2	690.4	390.7	-637.5	0.00	0.00	0.00
9,200.0	7.70	28.32	9,146.3	702.2	397.1	-648.4	0.00	0.00	0.00
9,300.0	7.70	28.32	9,245.4	714.0	403.4	-659.3	0.00	0.00	0.00
9,400.0	7.70	28.32	9,344.5	725.8	409.8	-670.2	0.00	0.00	0.00
9,500.0	7.70	28.32	9,443.6	737.5	416.2	-681.2	0.00	0.00	0.00
9,600.0	7.70	28.32	9,542.7	749.3	422.5	-692.1	0.00	0.00	0.00
9,700.0	7.70	28.32	9,641.8	761.1	428.9	-703.0	0.00	0.00	0.00
9,800.0	7.70	28.32	9,740.9	772.9	435.2	-713.9	0.00	0.00	0.00
9,900.0	7.70	28.32	9,840.0	784.7	441.6	-724.9	0.00	0.00	0.00
9,953.1	7.70	28.32	9,892.6	791.0	444.9	-730.7	0.00	0.00	0.00
9,975.0	5.54	41.63	9,914.4	793.0	446.3	-732.6	12.00	-9.83	60.71
10,000.0	3.88	72.91	9,939.3	794.2	448.0	-733.5	12.00	-6.64	125.12
10,025.0	4.17	116.51	9,964.2	794.0	449.6	-733.2	12.00	1.15	174.38
10,050.0	6.14	142.39	9,989.1	792.6	451.2	-731.5	12.00	7.88	103.52
10,075.0	8.72	154.48	10,013.9	789.8	452.8	-728.5	12.00	10.31	48.37
10,100.0	11.50	160.93	10,038.5	785.7	454.5	-724.3	12.00	11.13	25.81
10,125.0	14.37	164.87	10,062.9	780.4	456.1	-718.8	12.00	11.48	15.74
10,150.0	17.28	167.51	10,087.0	773.8	457.7	-712.0	12.00	11.65	10.56

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Condor 32 State
Well: #310H
Wellbore: OH
Design: Plan #0.1

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

Well #310H
 KB = 25 @ 3345.0usft (H&P 424)
 KB = 25 @ 3345.0usft (H&P 424)
 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)
10,175.0	20.22	169.40	10,110.6	765.9	459.3	-704.0	12.00	11.75	7.58
10,200.0	23.17	170.83	10,133.9	756.8	460.9	-694.8	12.00	11.81	5.72
10,225.0	26.14	171.96	10,156.6	746.5	462.4	-684.4	12.00	11.85	4.49
10,250.0	29.11	172.86	10,178.7	735.0	464.0	-672.8	12.00	11.88	3.63
10,275.0	32.08	173.62	10,200.2	722.4	465.5	-660.1	12.00	11.90	3.01
10,300.0	35.06	174.26	10,221.1	708.6	466.9	-646.2	12.00	11.92	2.55
10,325.0	38.04	174.80	10,241.1	693.8	468.3	-631.4	12.00	11.93	2.20
10,350.0	41.03	175.29	10,260.4	677.9	469.7	-615.5	12.00	11.94	1.92
10,375.0	44.01	175.71	10,278.8	661.1	471.0	-598.6	12.00	11.94	1.71
10,400.0	47.00	176.09	10,296.4	643.3	472.3	-580.8	12.00	11.95	1.53
10,425.0	49.99	176.44	10,312.9	624.6	473.5	-562.1	12.00	11.95	1.39
10,450.0	52.98	176.76	10,328.5	605.1	474.7	-542.6	12.00	11.96	1.27
10,475.0	55.97	177.05	10,343.0	584.8	475.8	-522.3	12.00	11.96	1.18
10,500.0	58.96	177.33	10,356.5	563.7	476.8	-501.3	12.00	11.96	1.10
10,525.0	61.95	177.59	10,368.8	542.0	477.8	-479.6	12.00	11.97	1.03
10,550.0	64.94	177.83	10,380.0	519.7	478.7	-457.3	12.00	11.97	0.97
10,575.0	67.94	178.06	10,390.0	496.8	479.5	-434.5	12.00	11.97	0.93
10,600.0	70.93	178.28	10,398.7	473.4	480.2	-411.2	12.00	11.97	0.89
10,625.0	73.92	178.50	10,406.3	449.6	480.9	-387.4	12.00	11.97	0.86
10,650.0	76.92	178.70	10,412.6	425.4	481.5	-363.4	12.00	11.97	0.83
10,675.0	79.91	178.91	10,417.6	400.9	482.0	-339.0	12.00	11.97	0.81
10,700.0	82.90	179.11	10,421.3	376.2	482.4	-314.4	12.00	11.97	0.80
10,725.0	85.90	179.30	10,423.8	351.3	482.8	-289.7	12.00	11.97	0.79
10,750.0	88.89	179.50	10,424.9	326.3	483.0	-264.9	12.00	11.97	0.78
10,759.3	90.00	179.57	10,425.0	317.1	483.1	-255.7	12.00	11.97	0.78
10,800.0	90.00	179.57	10,425.0	276.3	483.4	-215.2	0.00	0.00	0.00
10,900.0	90.00	179.57	10,425.0	176.3	484.2	-115.9	0.00	0.00	0.00
11,000.0	90.00	179.57	10,425.0	76.3	484.9	-16.5	0.00	0.00	0.00
11,100.0	90.00	179.57	10,425.0	-23.7	485.7	82.8	0.00	0.00	0.00
11,200.0	90.00	179.57	10,425.0	-123.6	486.4	182.2	0.00	0.00	0.00
11,300.0	90.00	179.57	10,425.0	-223.6	487.2	281.5	0.00	0.00	0.00
11,400.0	90.00	179.57	10,425.0	-323.6	487.9	380.8	0.00	0.00	0.00
11,500.0	90.00	179.57	10,425.0	-423.6	488.7	480.2	0.00	0.00	0.00
11,600.0	90.00	179.57	10,425.0	-523.6	489.4	579.5	0.00	0.00	0.00
11,700.0	90.00	179.57	10,425.0	-623.6	490.2	678.9	0.00	0.00	0.00
11,800.0	90.00	179.57	10,425.0	-723.6	490.9	778.2	0.00	0.00	0.00
11,900.0	90.00	179.57	10,425.0	-823.6	491.7	877.5	0.00	0.00	0.00
12,000.0	90.00	179.57	10,425.0	-923.6	492.4	976.9	0.00	0.00	0.00
12,100.0	90.00	179.57	10,425.0	-1,023.6	493.2	1,076.2	0.00	0.00	0.00
12,200.0	90.00	179.57	10,425.0	-1,123.6	493.9	1,175.6	0.00	0.00	0.00
12,300.0	90.00	179.57	10,425.0	-1,223.6	494.7	1,274.9	0.00	0.00	0.00
12,400.0	90.00	179.57	10,425.0	-1,323.6	495.4	1,374.2	0.00	0.00	0.00
12,500.0	90.00	179.57	10,425.0	-1,423.6	496.2	1,473.6	0.00	0.00	0.00
12,600.0	90.00	179.57	10,425.0	-1,523.6	496.9	1,572.9	0.00	0.00	0.00
12,700.0	90.00	179.57	10,425.0	-1,623.6	497.7	1,672.3	0.00	0.00	0.00
12,800.0	90.00	179.57	10,425.0	-1,723.6	498.4	1,771.6	0.00	0.00	0.00
12,900.0	90.00	179.57	10,425.0	-1,823.6	499.2	1,870.9	0.00	0.00	0.00
13,000.0	90.00	179.57	10,425.0	-1,923.6	499.9	1,970.3	0.00	0.00	0.00
13,100.0	90.00	179.57	10,425.0	-2,023.6	500.7	2,069.6	0.00	0.00	0.00
13,200.0	90.00	179.57	10,425.0	-2,123.6	501.4	2,169.0	0.00	0.00	0.00
13,300.0	90.00	179.57	10,425.0	-2,223.6	502.2	2,268.3	0.00	0.00	0.00
13,400.0	90.00	179.57	10,425.0	-2,323.6	502.9	2,367.6	0.00	0.00	0.00
13,500.0	90.00	179.57	10,425.0	-2,423.6	503.7	2,467.0	0.00	0.00	0.00
13,600.0	90.00	179.57	10,425.0	-2,523.6	504.4	2,566.3	0.00	0.00	0.00

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 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)
13,700.0	90.00	179.57	10,425.0	-2,623.6	505.2	2,665.6	0.00	0.00	0.00
13,800.0	90.00	179.57	10,425.0	-2,723.6	505.9	2,765.0	0.00	0.00	0.00
13,900.0	90.00	179.57	10,425.0	-2,823.6	506.7	2,864.3	0.00	0.00	0.00
14,000.0	90.00	179.57	10,425.0	-2,923.6	507.4	2,963.7	0.00	0.00	0.00
14,100.0	90.00	179.57	10,425.0	-3,023.6	508.2	3,063.0	0.00	0.00	0.00
14,200.0	90.00	179.57	10,425.0	-3,123.6	508.9	3,162.3	0.00	0.00	0.00
14,300.0	90.00	179.57	10,425.0	-3,223.6	509.7	3,261.7	0.00	0.00	0.00
14,400.0	90.00	179.57	10,425.0	-3,323.6	510.4	3,361.0	0.00	0.00	0.00
14,500.0	90.00	179.57	10,425.0	-3,423.6	511.2	3,460.4	0.00	0.00	0.00
14,600.0	90.00	179.57	10,425.0	-3,523.6	511.9	3,559.7	0.00	0.00	0.00
14,700.0	90.00	179.57	10,425.0	-3,623.5	512.7	3,659.0	0.00	0.00	0.00
14,800.0	90.00	179.57	10,425.0	-3,723.5	513.4	3,758.4	0.00	0.00	0.00
14,900.0	90.00	179.57	10,425.0	-3,823.5	514.2	3,857.7	0.00	0.00	0.00
15,000.0	90.00	179.57	10,425.0	-3,923.5	514.9	3,957.1	0.00	0.00	0.00
15,100.0	90.00	179.57	10,425.0	-4,023.5	515.7	4,056.4	0.00	0.00	0.00
15,200.0	90.00	179.57	10,425.0	-4,123.5	516.4	4,155.7	0.00	0.00	0.00
15,275.5	90.00	179.57	10,425.0	-4,199.0	517.0	4,230.7	0.00	0.00	0.00

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 : - plan hits target center - Point	0.00	0.00	10,425.0	-4,199.0	517.0	393,994.00	802,265.00	32° 4' 49.326 N	103° 29' 27.157 W
FTP (Condor 32 State #: - plan misses target center by 40.2usft at 10570.4usft MD (10388.2 TVD, 501.1 N, 479.3 E) - Point	0.00	0.00	10,425.0	517.0	476.0	398,710.00	802,224.00	32° 5' 35.995 N	103° 29' 27.205 W