

RECEIVED



Plan #2

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

Northing	Easting	Latitude	Longitude
398194.00	801814.00	32° 5' 30.921 N	103° 29' 32.018 W

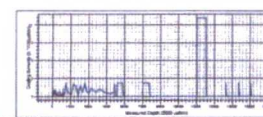
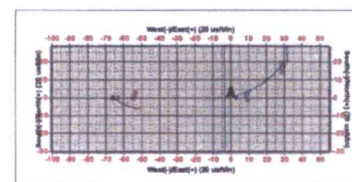
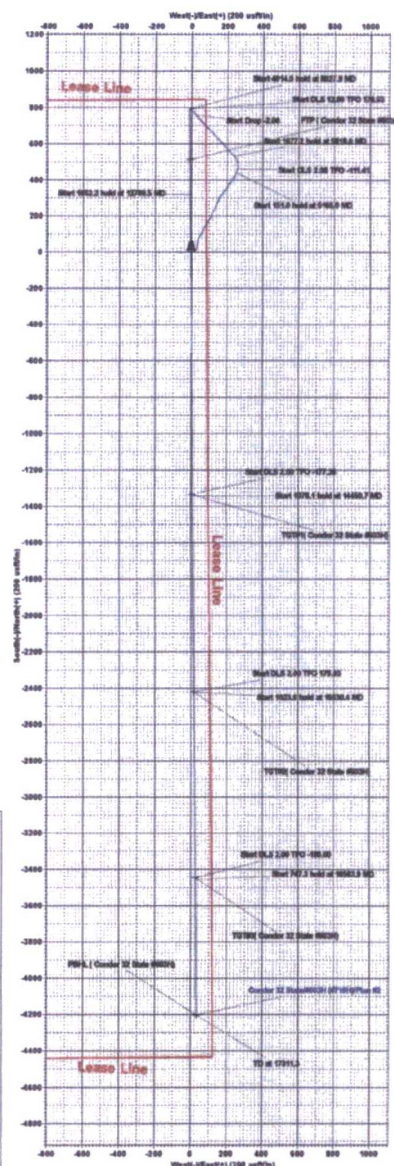
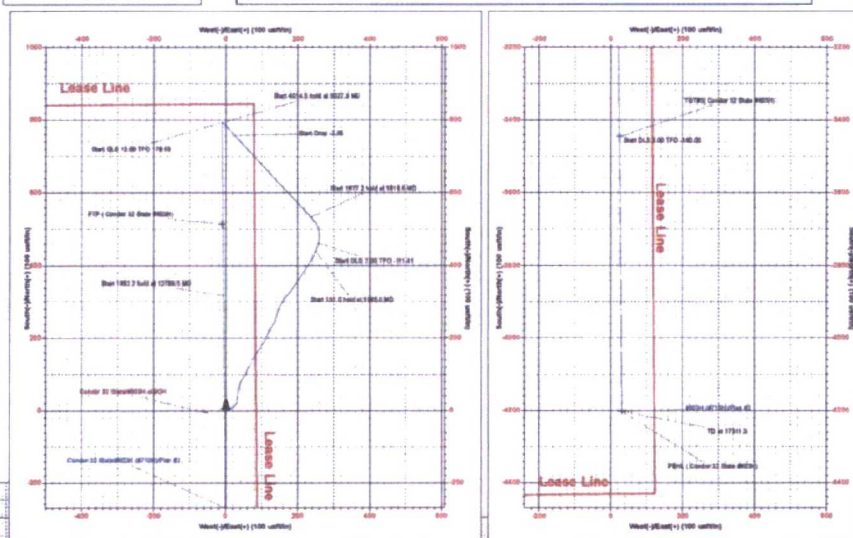
Azimuths to Grid North
 True North: -4.45°
 Magnetic North: -1.36°
 Magnetic Field
 Strength: 47777.2 nT
 Dip Angle: 59.94°
 Date: $5/8/2018$
 Model: $\text{IGRF}2015$

To convert a Magnetic Direction to a Grid Direction, Add 6.86°
 To convert a Magnetic Direction to a True Direction, Add 6.81° East
 To convert a True Direction to a Grid Direction, Subtract 0.46°

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dipg	TFace	V Sect	Target
1	5185.0	8.80	18.20	5130.8	440.1	249.6	0.00	0.00	-438.2	
2	5316.0	8.80	18.20	5280.0	462.0	256.8	0.00	0.00	-460.1	
3	5818.6	10.64	316.55	5776.6	532.4	236.9	2.00	-111.41	-530.6	
4	7485.9	10.64	316.55	7425.0	757.2	23.9	0.00	0.00	-757.0	
5	8027.9	0.00	0.00	7954.0	793.0	-10.0	2.00	180.00	-793.1	
6	12042.4	0.00	0.00	11968.5	793.0	-10.0	0.00	0.00	-793.1	
7	12789.5	89.65	179.53	12446.0	318.5	-6.1	12.00	179.53	-318.5	
8	14441.7	89.65	179.53	12458.0	-1333.7	7.3	0.00	0.00	1333.7	TGT#1(Condor 32 State #603H)
9	14507.0	89.44	179.53	12459.0	-1342.7	7.3	2.00	-177.26	1342.7	
10	15528.8	89.44	179.53	12460.0	-2420.7	16.3	0.00	0.00	2420.8	TGT#2(Condor 32 State #603H)
11	15530.4	89.44	179.53	12465.0	-2422.3	16.3	2.00	179.93	2422.3	
12	16554.0	89.44	179.53	12478.0	-3445.8	24.7	0.00	0.00	3445.9	TGT#3(Condor 32 State #603H)
13	16563.9	89.24	179.53	12476.1	-3455.7	24.8	2.00	-180.00	3455.8	
14	17311.3	89.24	179.53	12460.0	-4203.0	31.0	0.00	0.00	4203.1	PBHL(Condor 32 State #603H)

No casing data is available

Name	TVD	+W-S	+E-W	Northing	Easting
FTP (Condor 32 State #603H)	12446.0	813.0	-98.0	388707.00	801804.00
TP1H (Condor 32 State #603H)	12456.7	-1333.7	7.3	388680.30	801821.27
TG1G2 (Condor 32 State #603H)	12468.0	-3420.7	16.3	388773.50	801836.66
TG1G3 (Condor 32 State #603H)	12476.0	-3445.8	24.7	3847448.20	801852.74
PB1H (Condor 32 State #603H)	12486.0	-4203.0	21.0	383981.00	801845.00



Low County, GA (904) 235-3800
 10000 N. Highway 10
 Milledgeville, GA 31061
 10000 N. Highway 10
 Milledgeville, GA 31061



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Condor 32 State

#603H (#710H)

74843

OH

Plan: Plan #2

Standard Planning Report

08 May, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #603H (#710H)
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:	#603H (#710H)	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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			
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	#603H (#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	5/8/2018	6.81	59.94	47,777.22051655	

Design	Plan #2				
Audit Notes:					
Version:		Phase:	PLAN	Tie On Depth:	5,165.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.58	

Plan Survey Tool Program		Date 5/8/2018			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	107.0	1,017.0 Invicta MWD (OH)	MWD	OWSG MWD - Standard	
2	1,109.0	5,165.0 Newsco MWD #1 (OH)	MWD	OWSG MWD - Standard	
3	5,165.0	17,311.3 Plan #2 (OH)	MWD	OWSG MWD - Standard	



Planning Report

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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3345.0usft (H&P 424)
Site:	Condor 32 State	North Reference:	Grid
Well:	#603H (#710H)	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

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
5,165.0	8.80	18.20	5,130.8	440.1	249.6	0.00	0.00	0.00	0.00	
5,316.0	8.80	18.20	5,280.0	462.0	256.8	0.00	0.00	0.00	0.00	
5,818.6	10.64	316.55	5,776.6	532.4	236.9	2.00	0.37	-12.27	-111.41	
7,495.9	10.64	316.55	7,425.0	757.2	23.9	0.00	0.00	0.00	0.00	
8,027.9	0.00	0.00	7,954.0	793.0	-10.0	2.00	-2.00	0.00	180.00	
12,042.4	0.00	0.00	11,968.5	793.0	-10.0	0.00	0.00	0.00	0.00	
12,789.5	89.65	179.53	12,446.0	318.5	-6.1	12.00	12.00	24.03	179.53	
14,441.7	89.65	179.53	12,456.0	-1,333.7	7.3	0.00	0.00	0.00	0.00	TGT#1(Condor 32 St
14,450.7	89.47	179.53	12,456.1	-1,342.7	7.3	2.00	-2.00	-0.09	-177.28	
15,528.8	89.47	179.53	12,466.0	-2,420.7	16.3	0.00	0.00	0.00	0.00	TGT#2(Condor 32 St
15,530.4	89.44	179.53	12,466.0	-2,422.3	16.3	2.00	-2.00	0.00	179.93	
16,554.0	89.44	179.53	12,476.0	-3,445.8	24.7	0.00	0.00	0.00	0.00	TGT#3(Condor 32 St
16,563.9	89.24	179.53	12,476.1	-3,455.7	24.8	2.00	-2.00	0.00	-180.00	
17,311.3	89.24	179.53	12,486.0	-4,203.0	31.0	0.00	0.00	0.00	0.00	PBHL (Condor 32 St



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #603H (#710H)
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:	#603H (#710H)	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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
107.0	1.00	90.50	107.0	0.0	0.9	0.0	0.93	0.93	0.00
221.0	1.50	54.30	221.0	0.9	3.1	-0.8	0.80	0.44	-31.75
349.0	1.50	63.20	348.9	2.6	6.0	-2.5	0.18	0.00	6.95
474.0	2.00	78.30	473.9	3.8	9.6	-3.7	0.54	0.40	12.08
600.0	2.40	57.40	599.8	5.6	14.0	-5.5	0.71	0.32	-16.59
727.0	2.50	54.20	726.7	8.7	18.5	-8.6	0.13	0.08	-2.52
853.0	2.90	50.20	852.5	12.3	23.1	-12.2	0.35	0.32	-3.17
885.0	3.00	44.90	884.5	13.4	24.3	-13.3	0.91	0.31	-16.56
917.0	2.90	42.30	916.4	14.6	25.5	-14.4	0.52	-0.31	-8.13
959.0	2.80	41.10	958.4	16.2	26.9	-16.0	0.28	-0.24	-2.86
1,017.0	2.60	40.90	1,016.3	18.3	28.7	-18.0	0.35	-0.34	-0.34
1,109.0	0.90	45.60	1,108.3	20.3	30.5	-20.1	1.85	-1.85	5.11
1,296.0	0.30	125.40	1,295.3	21.1	32.0	-20.8	0.48	-0.32	42.67
1,544.0	0.40	274.70	1,543.3	20.8	31.7	-20.5	0.27	0.04	60.20
1,732.0	3.30	3.70	1,731.2	26.2	31.4	-26.0	1.76	1.54	47.34
1,920.0	6.20	7.50	1,918.5	41.7	33.0	-41.5	1.55	1.54	2.02
2,107.0	6.10	9.60	2,104.4	61.5	36.0	-61.2	0.13	-0.05	1.12
2,295.0	7.70	30.30	2,291.1	82.2	44.0	-81.9	1.56	0.85	11.01
2,482.0	6.60	28.70	2,476.6	102.5	55.5	-102.1	0.60	-0.59	-0.86
2,670.0	10.20	27.00	2,662.6	126.8	68.3	-126.3	1.92	1.91	-0.90
2,857.0	9.30	30.40	2,846.9	154.6	83.4	-154.0	0.57	-0.48	1.82
3,044.0	9.00	37.00	3,031.5	179.3	99.9	-178.6	0.58	-0.16	3.53
3,229.0	8.80	22.60	3,214.3	203.9	114.0	-203.1	1.21	-0.11	-7.78
3,416.0	7.60	30.60	3,399.4	227.8	125.8	-226.8	0.88	-0.64	4.28
3,603.0	7.20	22.50	3,584.8	249.2	136.6	-248.2	0.60	-0.21	-4.33
3,792.0	9.00	19.10	3,771.9	274.2	146.0	-273.1	0.99	0.95	-1.80
3,979.0	8.50	30.70	3,956.8	299.9	157.8	-298.7	0.98	-0.27	6.20
4,167.0	8.30	40.00	4,142.8	322.2	173.6	-320.9	0.73	-0.11	4.95
4,355.0	8.00	32.40	4,328.9	343.7	189.4	-342.2	0.59	-0.16	-4.04
4,541.0	7.50	37.60	4,513.2	364.2	203.7	-362.7	0.46	-0.27	2.80
4,730.0	7.80	33.00	4,700.5	384.7	218.2	-383.1	0.36	0.16	-2.43
4,918.0	8.60	32.90	4,886.6	407.2	232.8	-405.5	0.43	0.43	-0.05
5,106.0	8.60	24.90	5,072.5	431.8	246.3	-430.0	0.64	0.00	-4.26
5,165.0	8.80	18.20	5,130.8	440.1	249.6	-438.2	1.75	0.34	-11.36
5,200.0	8.80	18.20	5,165.4	445.2	251.3	-443.3	0.00	0.00	0.00
5,300.0	8.80	18.20	5,264.2	459.7	256.1	-457.8	0.00	0.00	0.00
5,316.0	8.80	18.20	5,280.0	462.0	256.8	-460.1	0.00	0.00	0.00
5,400.0	8.33	7.35	5,363.1	474.2	259.6	-472.2	2.00	-0.56	-12.92
5,500.0	8.20	353.43	5,462.0	488.4	259.7	-486.5	2.00	-0.13	-13.91
5,600.0	8.54	339.87	5,561.0	502.5	256.4	-500.6	2.00	0.34	-13.57
5,700.0	9.31	327.93	5,659.8	516.3	249.5	-514.5	2.00	0.77	-11.94
5,800.0	10.41	318.14	5,758.3	529.9	239.2	-528.1	2.00	1.10	-9.79
5,818.6	10.64	316.55	5,776.6	532.4	236.9	-530.6	2.00	1.25	-8.54
5,900.0	10.64	316.55	5,856.6	543.3	226.5	-541.6	0.00	0.00	0.00
6,000.0	10.64	316.55	5,954.9	556.7	213.8	-555.1	0.00	0.00	0.00
6,100.0	10.64	316.55	6,053.2	570.1	201.1	-568.6	0.00	0.00	0.00
6,200.0	10.64	316.55	6,151.4	583.5	188.4	-582.1	0.00	0.00	0.00
6,300.0	10.64	316.55	6,249.7	596.9	175.7	-595.6	0.00	0.00	0.00
6,400.0	10.64	316.55	6,348.0	610.3	163.0	-609.1	0.00	0.00	0.00
6,500.0	10.64	316.55	6,446.3	623.7	150.3	-622.6	0.00	0.00	0.00
6,600.0	10.64	316.55	6,544.6	637.1	137.6	-636.1	0.00	0.00	0.00
6,700.0	10.64	316.55	6,642.8	650.6	124.9	-649.6	0.00	0.00	0.00
6,800.0	10.64	316.55	6,741.1	664.0	112.2	-663.1	0.00	0.00	0.00



Planning Report

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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3345.0usft (H&P 424)
Site:	Condor 32 State	North Reference:	Grid
Well:	#603H (#710H)	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
6,900.0	10.64	316.55	6,839.4	677.4	99.5	-676.6	0.00	0.00	0.00
7,000.0	10.64	316.55	6,937.7	690.8	86.8	-690.1	0.00	0.00	0.00
7,100.0	10.64	316.55	7,036.0	704.2	74.1	-703.6	0.00	0.00	0.00
7,200.0	10.64	316.55	7,134.3	717.6	61.4	-717.1	0.00	0.00	0.00
7,300.0	10.64	316.55	7,232.5	731.0	48.8	-730.6	0.00	0.00	0.00
7,400.0	10.64	316.55	7,330.8	744.4	36.1	-744.1	0.00	0.00	0.00
7,495.9	10.64	316.55	7,425.0	757.2	23.9	-757.0	0.00	0.00	0.00
7,500.0	10.56	316.55	7,429.1	757.8	23.4	-757.6	2.00	-2.00	0.00
7,600.0	8.56	316.55	7,527.7	769.8	11.9	-769.7	2.00	-2.00	0.00
7,700.0	6.56	316.55	7,626.8	779.4	2.9	-779.4	2.00	-2.00	0.00
7,800.0	4.56	316.55	7,726.4	786.4	-3.8	-786.4	2.00	-2.00	0.00
7,900.0	2.56	316.55	7,826.2	790.9	-8.0	-791.0	2.00	-2.00	0.00
8,000.0	0.56	316.55	7,926.1	792.9	-9.9	-793.0	2.00	-2.00	0.00
8,016.4	0.23	316.55	7,942.5	793.0	-10.0	-793.0	2.00	-2.00	0.00
KOP (Condor 32 State #710H)									
8,027.9	0.00	0.00	7,954.0	793.0	-10.0	-793.1	2.00	-2.00	0.00
8,100.0	0.00	0.00	8,026.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,126.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,226.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,326.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,426.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,526.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,626.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,726.1	793.0	-10.0	-793.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,826.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,926.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,100.0	0.00	0.00	9,026.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,126.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,226.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,326.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,426.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,526.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,626.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,800.0	0.00	0.00	9,726.1	793.0	-10.0	-793.1	0.00	0.00	0.00
9,900.0	0.00	0.00	9,826.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,000.0	0.00	0.00	9,926.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,100.0	0.00	0.00	10,026.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,200.0	0.00	0.00	10,126.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,300.0	0.00	0.00	10,226.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,400.0	0.00	0.00	10,326.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,500.0	0.00	0.00	10,426.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,600.0	0.00	0.00	10,526.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,700.0	0.00	0.00	10,626.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,800.0	0.00	0.00	10,726.1	793.0	-10.0	-793.1	0.00	0.00	0.00
10,900.0	0.00	0.00	10,826.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,000.0	0.00	0.00	10,926.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,100.0	0.00	0.00	11,026.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,200.0	0.00	0.00	11,126.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,300.0	0.00	0.00	11,226.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,400.0	0.00	0.00	11,326.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,500.0	0.00	0.00	11,426.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,600.0	0.00	0.00	11,526.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,700.0	0.00	0.00	11,626.1	793.0	-10.0	-793.1	0.00	0.00	0.00



Planning Report

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Site: Condor 32 State
Well: #603H (#710H)
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Design: Plan #2

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

Well #603H (#710H)
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)
11,800.0	0.00	0.00	11,726.1	793.0	-10.0	-793.1	0.00	0.00	0.00
11,900.0	0.00	0.00	11,826.1	793.0	-10.0	-793.1	0.00	0.00	0.00
12,000.0	0.00	0.00	11,926.1	793.0	-10.0	-793.1	0.00	0.00	0.00
12,042.4	0.00	0.00	11,968.5	793.0	-10.0	-793.1	0.00	0.00	0.00
12,050.0	0.91	179.53	11,976.1	792.9	-10.0	-793.0	12.00	12.00	0.00
12,075.0	3.91	179.53	12,001.1	791.9	-10.0	-791.9	12.00	12.00	0.00
12,100.0	6.91	179.53	12,026.0	789.5	-10.0	-789.6	12.00	12.00	0.00
12,125.0	9.91	179.53	12,050.7	785.9	-9.9	-785.9	12.00	12.00	0.00
12,150.0	12.91	179.53	12,075.2	780.9	-9.9	-781.0	12.00	12.00	0.00
12,175.0	15.91	179.53	12,099.4	774.7	-9.9	-774.8	12.00	12.00	0.00
12,200.0	18.91	179.53	12,123.3	767.2	-9.8	-767.3	12.00	12.00	0.00
12,225.0	21.91	179.53	12,146.7	758.5	-9.7	-758.6	12.00	12.00	0.00
12,250.0	24.91	179.53	12,169.6	748.6	-9.6	-748.6	12.00	12.00	0.00
12,275.0	27.91	179.53	12,192.0	737.5	-9.5	-737.5	12.00	12.00	0.00
12,300.0	30.91	179.53	12,213.8	725.2	-9.4	-725.2	12.00	12.00	0.00
12,325.0	33.91	179.53	12,234.9	711.8	-9.3	-711.8	12.00	12.00	0.00
12,350.0	36.91	179.53	12,255.3	697.3	-9.2	-697.3	12.00	12.00	0.00
12,375.0	39.91	179.53	12,274.9	681.8	-9.1	-681.8	12.00	12.00	0.00
12,400.0	42.91	179.53	12,293.6	665.2	-9.0	-665.3	12.00	12.00	0.00
12,425.0	45.91	179.53	12,311.5	647.7	-8.8	-647.8	12.00	12.00	0.00
12,450.0	48.91	179.53	12,328.4	629.3	-8.7	-629.4	12.00	12.00	0.00
12,475.0	51.91	179.53	12,344.3	610.1	-8.5	-610.1	12.00	12.00	0.00
12,500.0	54.91	179.53	12,359.2	590.0	-8.4	-590.0	12.00	12.00	0.00
12,525.0	57.91	179.53	12,373.0	569.2	-8.2	-569.2	12.00	12.00	0.00
12,550.0	60.91	179.53	12,385.7	547.7	-8.0	-547.7	12.00	12.00	0.00
12,575.0	63.91	179.53	12,397.3	525.5	-7.8	-525.5	12.00	12.00	0.00
12,600.0	66.91	179.53	12,407.7	502.8	-7.6	-502.8	12.00	12.00	0.00
12,604.6	67.46	179.53	12,409.5	498.6	-7.6	-498.6	12.00	12.00	0.00
FTP (Condor 32 State #603H)									
12,625.0	69.91	179.53	12,416.9	479.5	-7.5	-479.6	12.00	12.00	0.00
12,650.0	72.91	179.53	12,424.9	455.8	-7.3	-455.9	12.00	12.00	0.00
FTP (Condor 32 State #710H)									
12,675.0	75.91	179.53	12,431.6	431.8	-7.1	-431.8	12.00	12.00	0.00
12,700.0	78.91	179.53	12,437.1	407.4	-6.9	-407.4	12.00	12.00	0.00
12,725.0	81.91	179.53	12,441.2	382.7	-6.7	-382.8	12.00	12.00	0.00
12,750.0	84.91	179.53	12,444.1	357.9	-6.5	-357.9	12.00	12.00	0.00
12,775.0	87.91	179.53	12,445.6	332.9	-6.3	-333.0	12.00	12.00	0.00
12,789.5	89.65	179.53	12,446.0	318.5	-6.1	-318.5	12.00	12.00	0.00
12,800.0	89.65	179.53	12,446.0	307.9	-6.1	-308.0	0.00	0.00	0.00
12,900.0	89.65	179.53	12,446.6	207.9	-5.2	-208.0	0.00	0.00	0.00
13,000.0	89.65	179.53	12,447.2	108.0	-4.4	-108.0	0.00	0.00	0.00
13,100.0	89.65	179.53	12,447.8	8.0	-3.6	-8.0	0.00	0.00	0.00
13,200.0	89.65	179.53	12,448.5	-92.0	-2.8	92.0	0.00	0.00	0.00
13,300.0	89.65	179.53	12,449.1	-192.0	-2.0	192.0	0.00	0.00	0.00
13,383.5	89.65	179.53	12,449.6	-275.5	-1.3	275.5	0.00	0.00	0.00
TGT #1(Condor 32 State #710H)									
13,400.0	89.65	179.53	12,449.7	-292.0	-1.2	292.0	0.00	0.00	0.00
13,500.0	89.65	179.53	12,450.3	-392.0	-0.4	392.0	0.00	0.00	0.00
13,600.0	89.65	179.53	12,450.9	-492.0	0.4	492.0	0.00	0.00	0.00
13,700.0	89.65	179.53	12,451.5	-592.0	1.2	592.0	0.00	0.00	0.00
13,800.0	89.65	179.53	12,452.1	-692.0	2.1	692.0	0.00	0.00	0.00
13,900.0	89.65	179.53	12,452.7	-792.0	2.9	792.0	0.00	0.00	0.00
14,000.0	89.65	179.53	12,453.3	-892.0	3.7	892.0	0.00	0.00	0.00



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Design: Plan #2

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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)
14,100.0	89.65	179.53	12,453.9	-992.0	4.5	992.0	0.00	0.00	0.00
14,164.9	89.65	179.53	12,454.3	-1,056.9	5.0	1,056.9	0.00	0.00	0.00
TGT #2(Condor 32 State #710H)									
14,200.0	89.65	179.53	12,454.5	-1,092.0	5.3	1,092.0	0.00	0.00	0.00
14,300.0	89.65	179.53	12,455.1	-1,192.0	6.1	1,192.0	0.00	0.00	0.00
14,400.0	89.65	179.53	12,455.7	-1,292.0	6.9	1,292.0	0.00	0.00	0.00
14,441.7	89.65	179.53	12,456.0	-1,333.7	7.3	1,333.7	0.00	0.00	0.00
TGT#1(Condor 32 State #603H)									
14,450.7	89.47	179.53	12,456.1	-1,342.7	7.3	1,342.7	2.00	-2.00	-0.09
14,500.0	89.47	179.53	12,456.5	-1,392.0	7.8	1,392.0	0.00	0.00	0.00
14,600.0	89.47	179.53	12,457.4	-1,492.0	8.6	1,492.0	0.00	0.00	0.00
14,700.0	89.47	179.53	12,458.4	-1,592.0	9.4	1,592.0	0.00	0.00	0.00
14,800.0	89.47	179.53	12,459.3	-1,691.9	10.2	1,692.0	0.00	0.00	0.00
14,900.0	89.47	179.53	12,460.2	-1,791.9	11.1	1,792.0	0.00	0.00	0.00
15,000.0	89.47	179.53	12,461.1	-1,891.9	11.9	1,892.0	0.00	0.00	0.00
15,050.5	89.47	179.53	12,461.6	-1,942.4	12.3	1,942.4	0.00	0.00	0.00
TGT #3(Condor 32 State #710H)									
15,100.0	89.47	179.53	12,462.0	-1,991.9	12.7	1,992.0	0.00	0.00	0.00
15,200.0	89.47	179.53	12,463.0	-2,091.9	13.5	2,092.0	0.00	0.00	0.00
15,300.0	89.47	179.53	12,463.9	-2,191.9	14.4	2,192.0	0.00	0.00	0.00
15,400.0	89.47	179.53	12,464.8	-2,291.9	15.2	2,292.0	0.00	0.00	0.00
15,500.0	89.47	179.53	12,465.7	-2,391.9	16.0	2,391.9	0.00	0.00	0.00
15,528.8	89.47	179.53	12,466.0	-2,420.7	16.3	2,420.8	0.00	0.00	0.00
TGT#2(Condor 32 State #603H)									
15,530.4	89.44	179.53	12,466.0	-2,422.3	16.3	2,422.3	2.00	-2.00	0.00
15,600.0	89.44	179.53	12,466.7	-2,491.9	16.8	2,491.9	0.00	0.00	0.00
15,700.0	89.44	179.53	12,467.7	-2,591.9	17.7	2,591.9	0.00	0.00	0.00
15,800.0	89.44	179.53	12,468.6	-2,691.9	18.5	2,691.9	0.00	0.00	0.00
15,900.0	89.44	179.53	12,469.6	-2,791.9	19.3	2,791.9	0.00	0.00	0.00
16,000.0	89.44	179.53	12,470.6	-2,891.9	20.2	2,891.9	0.00	0.00	0.00
16,100.0	89.44	179.53	12,471.6	-2,991.8	21.0	2,991.9	0.00	0.00	0.00
16,133.7	89.44	179.53	12,471.9	-3,025.5	21.3	3,025.6	0.00	0.00	0.00
TGT #4(Condor 32 State #710H)									
16,200.0	89.44	179.53	12,472.5	-3,091.8	21.8	3,091.9	0.00	0.00	0.00
16,300.0	89.44	179.53	12,473.5	-3,191.8	22.6	3,191.9	0.00	0.00	0.00
16,400.0	89.44	179.53	12,474.5	-3,291.8	23.5	3,291.9	0.00	0.00	0.00
16,500.0	89.44	179.53	12,475.5	-3,391.8	24.3	3,391.9	0.00	0.00	0.00
16,554.0	89.44	179.53	12,476.0	-3,445.8	24.7	3,445.9	0.00	0.00	0.00
TGT#3(Condor 32 State #603H)									
16,563.9	89.24	179.53	12,476.1	-3,455.7	24.8	3,455.8	2.00	-2.00	0.00
16,600.0	89.24	179.53	12,476.6	-3,491.8	25.1	3,491.9	0.00	0.00	0.00
16,700.0	89.24	179.53	12,477.9	-3,591.8	25.9	3,591.9	0.00	0.00	0.00
16,800.0	89.24	179.53	12,479.2	-3,691.8	26.8	3,691.9	0.00	0.00	0.00
16,900.0	89.24	179.53	12,480.6	-3,791.8	27.6	3,791.9	0.00	0.00	0.00
17,000.0	89.24	179.53	12,481.9	-3,891.8	28.4	3,891.9	0.00	0.00	0.00
17,100.0	89.24	179.53	12,483.2	-3,991.7	29.3	3,991.8	0.00	0.00	0.00
17,200.0	89.24	179.53	12,484.5	-4,091.7	30.1	4,091.8	0.00	0.00	0.00
17,300.0	89.24	179.53	12,485.9	-4,191.7	30.9	4,191.8	0.00	0.00	0.00
17,311.3	89.24	179.53	12,486.0	-4,203.0	31.0	4,203.1	0.00	0.00	0.00
PBHL (Condor 32 State #710H) - PBHL (Condor 32 State #603H)									



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 Design: Plan #2

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 MD Reference: KB = 25 @ 3345.0usft (H&P 424)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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
FTP (Condor 32 State # - plan misses target center by 39.3usft at 12604.6usft MD (12409.5 TVD, 498.6 N, -7.6 E) - Point	0.00	0.00	12,446.0	513.0	-10.0	398,707.00	801,804.00	32° 5' 35.998 N	103° 29' 32.088 W
TGT#1(Condor 32 State - plan hits target center - Point	0.00	0.00	12,456.0	-1,333.7	7.3	396,860.30	801,821.27	32° 5' 17.723 N	103° 29' 32.054 W
TGT#2(Condor 32 State - plan hits target center - Point	0.00	0.00	12,466.0	-2,420.7	16.3	395,773.30	801,830.26	32° 5' 6.966 N	103° 29' 32.048 W
TGT#3(Condor 32 State - plan hits target center - Point	0.00	0.00	12,476.0	-3,445.8	24.7	394,748.20	801,838.74	32° 4' 56.822 N	103° 29' 32.043 W
PBHL (Condor 32 State - plan hits target center - Point	0.00	0.00	12,486.0	-4,203.0	31.0	393,991.00	801,845.00	32° 4' 49.329 N	103° 29' 32.039 W