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DISTRICT II-ARTESIA O.C.D.

NORTHERN DELAWARE BASIN

EDDY COUNTY, NM

ATLAS

MYOX 31 STATE COM #602H

OWB

Plan: PLAN 1

Standard Planning Report

18 April, 2019

Planning Report

Database:	EDM_Users	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #602H
Company:	NORTHERN DELAWARE BASIN	TVD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Project:	EDDY COUNTY, NM	MD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Site:	ATLAS	North Reference:	Grid
Well:	MYOX 31 STATE COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PLAN 1		

Project	EDDY COUNTY, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	ATLAS		
Site Position:		Northing:	371,480.80 usft
From:	Map	Easting:	573,599.60 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 15.933 N
		Longitude:	104° 5' 45.086 W
		Grid Convergence:	0.13 °

Well	MYOX 31 STATE COM #602H		
Well Position	+N/-S	25,970.9 usft	Northing: 397,451.70 usft
	+E/-W	-7,930.4 usft	Easting: 565,669.20 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:
			Latitude: 32° 5' 33.119 N
			Longitude: 104° 7' 16.610 W
			Ground Level: 3,013.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	WMM2015	3/4/2019	7.04
			Dip Angle (°)
			59.81
			Field Strength (nT)
			47,611.95279540

Design	PLAN 1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			180.54

Plan Survey Tool Program		Date	4/18/2019
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name
1	0.0	8,571.9 PLAN 1 (OWB)	MWD
			OWSG MWD - Standard
2	8,571.9	19,126.5 PLAN 1 (OWB)	MWD+IFR1+MS
			OWSG MWD + IFR1 + Multi-St
			Remarks

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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	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,700.0	4.00	346.00	4,699.8	6.8	-1.7	2.00	2.00	0.00	346.00	
6,504.6	4.00	346.00	6,500.0	128.9	-32.1	0.00	0.00	0.00	0.00	
6,904.6	0.00	0.00	6,899.7	142.5	-35.5	1.00	-1.00	0.00	180.00	
8,571.9	0.00	0.00	8,567.0	142.5	-35.5	0.00	0.00	0.00	0.00	
9,470.6	89.87	180.33	9,140.0	-429.2	-38.8	10.00	10.00	-19.99	180.33	
19,126.5	89.87	180.33	9,162.0	-10,084.9	-95.0	0.00	0.00	0.00	0.00	PBHL (MYOX 31 STA)

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Wellbore:	OWB		
Design:	PLAN 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	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	2.00	346.00	4,600.0	1.7	-0.4	-1.7	2.00	2.00	0.00
4,700.0	4.00	346.00	4,699.8	6.8	-1.7	-6.8	2.00	2.00	0.00
4,800.0	4.00	346.00	4,799.6	13.5	-3.4	-13.5	0.00	0.00	0.00
4,900.0	4.00	346.00	4,899.4	20.3	-5.1	-20.3	0.00	0.00	0.00
5,000.0	4.00	346.00	4,999.1	27.1	-6.8	-27.0	0.00	0.00	0.00
5,100.0	4.00	346.00	5,098.9	33.8	-8.4	-33.8	0.00	0.00	0.00

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Wellbore:	OWB		
Design:	PLAN 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)	
5,200.0	4.00	346.00	5,198.6	40.6	-10.1	-40.5	0.00	0.00	0.00	
5,300.0	4.00	346.00	5,298.4	47.4	-11.8	-47.3	0.00	0.00	0.00	
5,400.0	4.00	346.00	5,398.1	54.2	-13.5	-54.0	0.00	0.00	0.00	
5,500.0	4.00	346.00	5,497.9	60.9	-15.2	-60.8	0.00	0.00	0.00	
5,600.0	4.00	346.00	5,597.6	67.7	-16.9	-67.5	0.00	0.00	0.00	
5,700.0	4.00	346.00	5,697.4	74.5	-18.6	-74.3	0.00	0.00	0.00	
5,800.0	4.00	346.00	5,797.2	81.2	-20.3	-81.0	0.00	0.00	0.00	
5,900.0	4.00	346.00	5,896.9	88.0	-21.9	-87.8	0.00	0.00	0.00	
6,000.0	4.00	346.00	5,996.7	94.8	-23.6	-94.5	0.00	0.00	0.00	
6,100.0	4.00	346.00	6,096.4	101.5	-25.3	-101.3	0.00	0.00	0.00	
6,200.0	4.00	346.00	6,196.2	108.3	-27.0	-108.0	0.00	0.00	0.00	
6,300.0	4.00	346.00	6,295.9	115.1	-28.7	-114.8	0.00	0.00	0.00	
6,400.0	4.00	346.00	6,395.7	121.8	-30.4	-121.5	0.00	0.00	0.00	
6,504.6	4.00	346.00	6,500.0	128.9	-32.1	-128.6	0.00	0.00	0.00	
6,600.0	3.05	346.00	6,595.3	134.6	-33.6	-134.3	1.00	-1.00	0.00	
6,700.0	2.05	346.00	6,695.2	138.9	-34.6	-138.6	1.00	-1.00	0.00	
6,800.0	1.05	346.00	6,795.1	141.5	-35.3	-141.2	1.00	-1.00	0.00	
6,904.6	0.00	0.00	6,899.7	142.5	-35.5	-142.1	1.00	-1.00	0.00	
7,000.0	0.00	0.00	6,995.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,095.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,195.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,295.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,395.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,495.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,595.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,695.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,795.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,895.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,995.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,095.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,195.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,295.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,395.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,495.1	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,571.9	0.00	0.00	8,567.0	142.5	-35.5	-142.1	0.00	0.00	0.00	
8,600.0	2.81	180.33	8,595.1	141.8	-35.5	-141.4	10.00	10.00	0.00	
8,650.0	7.81	180.33	8,644.9	137.1	-35.5	-136.8	10.00	10.00	0.00	
8,700.0	12.81	180.33	8,694.1	128.2	-35.6	-127.8	10.00	10.00	0.00	
8,750.0	17.81	180.33	8,742.3	115.0	-35.7	-114.6	10.00	10.00	0.00	
8,800.0	22.81	180.33	8,789.1	97.6	-35.8	-97.3	10.00	10.00	0.00	
8,850.0	27.81	180.33	8,834.3	76.3	-35.9	-75.9	10.00	10.00	0.00	
8,900.0	32.81	180.33	8,877.5	51.0	-36.0	-50.7	10.00	10.00	0.00	
8,950.0	37.81	180.33	8,918.3	22.2	-36.2	-21.8	10.00	10.00	0.00	
9,000.0	42.81	180.33	8,956.4	-10.2	-36.4	10.5	10.00	10.00	0.00	
9,050.0	47.81	180.33	8,991.5	-45.7	-36.6	46.1	10.00	10.00	0.00	
9,100.0	52.81	180.33	9,023.4	-84.2	-36.8	84.5	10.00	10.00	0.00	
9,150.0	57.81	180.33	9,051.9	-125.3	-37.1	125.6	10.00	10.00	0.00	
9,171.1	59.92	180.33	9,062.8	-143.3	-37.2	143.7	10.00	10.00	0.00	
FTP (MYOX 31 STATE COM #602H)										
9,200.0	62.81	180.33	9,076.7	-168.7	-37.3	169.0	10.00	10.00	0.00	
9,250.0	67.81	180.33	9,097.5	-214.1	-37.6	214.5	10.00	10.00	0.00	
9,300.0	72.81	180.33	9,114.4	-261.2	-37.9	261.5	10.00	10.00	0.00	

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Planned Survey									
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9,350.0	77.81	180.33	9,127.0	-309.5	-38.1	309.9	10.00	10.00	0.00
9,400.0	82.81	180.33	9,135.5	-358.8	-38.4	359.1	10.00	10.00	0.00
9,450.0	87.81	180.33	9,139.5	-408.6	-38.7	409.0	10.00	10.00	0.00
9,470.6	89.87	180.33	9,140.0	-429.2	-38.8	429.5	10.00	10.00	0.00
9,500.0	89.87	180.33	9,140.0	-458.6	-39.0	459.0	0.00	0.00	0.00
9,600.0	89.87	180.33	9,140.3	-558.6	-39.6	559.0	0.00	0.00	0.00
9,700.0	89.87	180.33	9,140.5	-658.6	-40.2	659.0	0.00	0.00	0.00
9,800.0	89.87	180.33	9,140.7	-758.6	-40.8	759.0	0.00	0.00	0.00
9,900.0	89.87	180.33	9,140.9	-858.6	-41.3	859.0	0.00	0.00	0.00
10,000.0	89.87	180.33	9,141.2	-958.6	-41.9	959.0	0.00	0.00	0.00
10,100.0	89.87	180.33	9,141.4	-1,058.6	-42.5	1,059.0	0.00	0.00	0.00
10,200.0	89.87	180.33	9,141.6	-1,158.6	-43.1	1,159.0	0.00	0.00	0.00
10,300.0	89.87	180.33	9,141.8	-1,258.6	-43.7	1,259.0	0.00	0.00	0.00
10,400.0	89.87	180.33	9,142.1	-1,358.6	-44.2	1,358.9	0.00	0.00	0.00
10,500.0	89.87	180.33	9,142.3	-1,458.6	-44.8	1,458.9	0.00	0.00	0.00
10,600.0	89.87	180.33	9,142.5	-1,558.6	-45.4	1,558.9	0.00	0.00	0.00
10,700.0	89.87	180.33	9,142.8	-1,658.6	-46.0	1,658.9	0.00	0.00	0.00
10,800.0	89.87	180.33	9,143.0	-1,758.6	-46.6	1,758.9	0.00	0.00	0.00
10,900.0	89.87	180.33	9,143.2	-1,858.6	-47.2	1,858.9	0.00	0.00	0.00
11,000.0	89.87	180.33	9,143.4	-1,958.6	-47.7	1,958.9	0.00	0.00	0.00
11,100.0	89.87	180.33	9,143.7	-2,058.6	-48.3	2,058.9	0.00	0.00	0.00
11,200.0	89.87	180.33	9,143.9	-2,158.6	-48.9	2,158.9	0.00	0.00	0.00
11,300.0	89.87	180.33	9,144.1	-2,258.6	-49.5	2,258.9	0.00	0.00	0.00
11,400.0	89.87	180.33	9,144.4	-2,358.6	-50.1	2,358.9	0.00	0.00	0.00
11,500.0	89.87	180.33	9,144.6	-2,458.6	-50.6	2,458.9	0.00	0.00	0.00
11,600.0	89.87	180.33	9,144.8	-2,558.6	-51.2	2,558.9	0.00	0.00	0.00
11,700.0	89.87	180.33	9,145.0	-2,658.6	-51.8	2,658.9	0.00	0.00	0.00
11,800.0	89.87	180.33	9,145.3	-2,758.6	-52.4	2,758.9	0.00	0.00	0.00
11,900.0	89.87	180.33	9,145.5	-2,858.6	-53.0	2,858.9	0.00	0.00	0.00
12,000.0	89.87	180.33	9,145.7	-2,958.6	-53.6	2,958.9	0.00	0.00	0.00
12,100.0	89.87	180.33	9,146.0	-3,058.6	-54.1	3,058.9	0.00	0.00	0.00
12,200.0	89.87	180.33	9,146.2	-3,158.6	-54.7	3,158.9	0.00	0.00	0.00
12,300.0	89.87	180.33	9,146.4	-3,258.6	-55.3	3,258.9	0.00	0.00	0.00
12,400.0	89.87	180.33	9,146.6	-3,358.6	-55.9	3,358.9	0.00	0.00	0.00
12,500.0	89.87	180.33	9,146.9	-3,458.6	-56.5	3,458.9	0.00	0.00	0.00
12,600.0	89.87	180.33	9,147.1	-3,558.5	-57.0	3,558.9	0.00	0.00	0.00
12,700.0	89.87	180.33	9,147.3	-3,658.5	-57.6	3,658.9	0.00	0.00	0.00
12,800.0	89.87	180.33	9,147.6	-3,758.5	-58.2	3,758.9	0.00	0.00	0.00
12,900.0	89.87	180.33	9,147.8	-3,858.5	-58.8	3,858.9	0.00	0.00	0.00
13,000.0	89.87	180.33	9,148.0	-3,958.5	-59.4	3,958.9	0.00	0.00	0.00
13,100.0	89.87	180.33	9,148.2	-4,058.5	-60.0	4,058.9	0.00	0.00	0.00
13,200.0	89.87	180.33	9,148.5	-4,158.5	-60.5	4,158.9	0.00	0.00	0.00
13,300.0	89.87	180.33	9,148.7	-4,258.5	-61.1	4,258.9	0.00	0.00	0.00
13,400.0	89.87	180.33	9,148.9	-4,358.5	-61.7	4,358.9	0.00	0.00	0.00
13,500.0	89.87	180.33	9,149.2	-4,458.5	-62.3	4,458.9	0.00	0.00	0.00
13,600.0	89.87	180.33	9,149.4	-4,558.5	-62.9	4,558.9	0.00	0.00	0.00
13,700.0	89.87	180.33	9,149.6	-4,658.5	-63.4	4,658.9	0.00	0.00	0.00
13,800.0	89.87	180.33	9,149.8	-4,758.5	-64.0	4,758.9	0.00	0.00	0.00
13,900.0	89.87	180.33	9,150.1	-4,858.5	-64.6	4,858.9	0.00	0.00	0.00
14,000.0	89.87	180.33	9,150.3	-4,958.5	-65.2	4,958.9	0.00	0.00	0.00
14,100.0	89.87	180.33	9,150.5	-5,058.5	-65.8	5,058.9	0.00	0.00	0.00
14,200.0	89.87	180.33	9,150.8	-5,158.5	-66.3	5,158.9	0.00	0.00	0.00

Planning Report

Database:	EDM_Users	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #602H
Company:	NORTHERN DELAWARE BASIN	TVD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Project:	EDDY COUNTY, NM	MD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Site:	ATLAS	North Reference:	Grid
Well:	MYOX 31 STATE COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PLAN 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)	
14,300.0	89.87	180.33	9,151.0	-5,258.5	-66.9	5,258.9	0.00	0.00	0.00	
14,400.0	89.87	180.33	9,151.2	-5,358.5	-67.5	5,358.9	0.00	0.00	0.00	
14,500.0	89.87	180.33	9,151.4	-5,458.5	-68.1	5,458.9	0.00	0.00	0.00	
14,600.0	89.87	180.33	9,151.7	-5,558.5	-68.7	5,558.9	0.00	0.00	0.00	
14,700.0	89.87	180.33	9,151.9	-5,658.5	-69.3	5,658.9	0.00	0.00	0.00	
14,800.0	89.87	180.33	9,152.1	-5,758.5	-69.8	5,758.9	0.00	0.00	0.00	
14,900.0	89.87	180.33	9,152.4	-5,858.5	-70.4	5,858.9	0.00	0.00	0.00	
15,000.0	89.87	180.33	9,152.6	-5,958.5	-71.0	5,958.9	0.00	0.00	0.00	
15,100.0	89.87	180.33	9,152.8	-6,058.5	-71.6	6,058.9	0.00	0.00	0.00	
15,200.0	89.87	180.33	9,153.0	-6,158.5	-72.2	6,158.9	0.00	0.00	0.00	
15,300.0	89.87	180.33	9,153.3	-6,258.5	-72.7	6,258.9	0.00	0.00	0.00	
15,400.0	89.87	180.33	9,153.5	-6,358.5	-73.3	6,358.9	0.00	0.00	0.00	
15,500.0	89.87	180.33	9,153.7	-6,458.5	-73.9	6,458.9	0.00	0.00	0.00	
15,600.0	89.87	180.33	9,153.9	-6,558.5	-74.5	6,558.9	0.00	0.00	0.00	
15,700.0	89.87	180.33	9,154.2	-6,658.5	-75.1	6,658.9	0.00	0.00	0.00	
15,800.0	89.87	180.33	9,154.4	-6,758.5	-75.7	6,758.9	0.00	0.00	0.00	
15,900.0	89.87	180.33	9,154.6	-6,858.5	-76.2	6,858.9	0.00	0.00	0.00	
16,000.0	89.87	180.33	9,154.9	-6,958.5	-76.8	6,958.9	0.00	0.00	0.00	
16,100.0	89.87	180.33	9,155.1	-7,058.5	-77.4	7,058.9	0.00	0.00	0.00	
16,200.0	89.87	180.33	9,155.3	-7,158.5	-78.0	7,158.9	0.00	0.00	0.00	
16,300.0	89.87	180.33	9,155.5	-7,258.5	-78.6	7,258.9	0.00	0.00	0.00	
16,400.0	89.87	180.33	9,155.8	-7,358.5	-79.1	7,358.9	0.00	0.00	0.00	
16,500.0	89.87	180.33	9,156.0	-7,458.5	-79.7	7,458.9	0.00	0.00	0.00	
16,600.0	89.87	180.33	9,156.2	-7,558.5	-80.3	7,558.9	0.00	0.00	0.00	
16,700.0	89.87	180.33	9,156.5	-7,658.5	-80.9	7,658.9	0.00	0.00	0.00	
16,800.0	89.87	180.33	9,156.7	-7,758.5	-81.5	7,758.9	0.00	0.00	0.00	
16,900.0	89.87	180.33	9,156.9	-7,858.5	-82.1	7,858.9	0.00	0.00	0.00	
17,000.0	89.87	180.33	9,157.1	-7,958.5	-82.6	7,958.9	0.00	0.00	0.00	
17,100.0	89.87	180.33	9,157.4	-8,058.5	-83.2	8,058.9	0.00	0.00	0.00	
17,200.0	89.87	180.33	9,157.6	-8,158.5	-83.8	8,158.9	0.00	0.00	0.00	
17,300.0	89.87	180.33	9,157.8	-8,258.5	-84.4	8,258.9	0.00	0.00	0.00	
17,400.0	89.87	180.33	9,158.1	-8,358.5	-85.0	8,358.9	0.00	0.00	0.00	
17,500.0	89.87	180.33	9,158.3	-8,458.5	-85.5	8,458.9	0.00	0.00	0.00	
17,600.0	89.87	180.33	9,158.5	-8,558.5	-86.1	8,558.9	0.00	0.00	0.00	
17,700.0	89.87	180.33	9,158.7	-8,658.5	-86.7	8,658.9	0.00	0.00	0.00	
17,800.0	89.87	180.33	9,159.0	-8,758.4	-87.3	8,758.9	0.00	0.00	0.00	
17,900.0	89.87	180.33	9,159.2	-8,858.4	-87.9	8,858.9	0.00	0.00	0.00	
18,000.0	89.87	180.33	9,159.4	-8,958.4	-88.4	8,958.9	0.00	0.00	0.00	
18,100.0	89.87	180.33	9,159.7	-9,058.4	-89.0	9,058.9	0.00	0.00	0.00	
18,200.0	89.87	180.33	9,159.9	-9,158.4	-89.6	9,158.9	0.00	0.00	0.00	
18,300.0	89.87	180.33	9,160.1	-9,258.4	-90.2	9,258.9	0.00	0.00	0.00	
18,400.0	89.87	180.33	9,160.3	-9,358.4	-90.8	9,358.9	0.00	0.00	0.00	
18,500.0	89.87	180.33	9,160.6	-9,458.4	-91.4	9,458.9	0.00	0.00	0.00	
18,600.0	89.87	180.33	9,160.8	-9,558.4	-91.9	9,558.9	0.00	0.00	0.00	
18,700.0	89.87	180.33	9,161.0	-9,658.4	-92.5	9,658.9	0.00	0.00	0.00	
18,800.0	89.87	180.33	9,161.3	-9,758.4	-93.1	9,758.9	0.00	0.00	0.00	
18,900.0	89.87	180.33	9,161.5	-9,858.4	-93.7	9,858.9	0.00	0.00	0.00	
18,996.5	89.87	180.33	9,161.7	-9,954.9	-94.2	9,955.3	0.00	0.00	0.00	
LTP (MYOX 31 STATE COM #602H)										
19,000.0	89.87	180.33	9,161.7	-9,958.4	-94.3	9,958.9	0.00	0.00	0.00	
19,100.0	89.87	180.33	9,161.9	-10,058.4	-94.8	10,058.9	0.00	0.00	0.00	
19,126.5	89.87	180.33	9,162.0	-10,084.9	-95.0	10,085.3	0.00	0.00	0.00	

Planning Report

Database:	EDM_Users	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #602H
Company:	NORTHERN DELAWARE BASIN	TVD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Project:	EDDY COUNTY, NM	MD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Site:	ATLAS	North Reference:	Grid
Well:	MYOX 31 STATE COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PLAN 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)
PBHL (MYOX 31 STATE COM #602H)									

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 (MYOX 31 STATE C - plan misses target center by 88.9usft at 9171.1usft MD (9062.8 TVD, -143.3 N, -37.2 E) - Circle (radius 50.0)	0.00	0.00	9,140.0	-99.3	-34.9	397,352.40	565,634.30	32° 5' 32.137 N	104° 7' 17.018 W
LTP (MYOX 31 STATE C - plan misses target center by 0.5usft at 18996.5usft MD (9161.7 TVD, -9954.9 N, -94.2 E) - Point	0.00	0.00	9,162.0	-9,954.9	-94.6	387,496.80	565,574.60	32° 3' 54.602 N	104° 7' 17.937 W
PBHL (MYOX 31 STATE - plan hits target center - Rectangle (sides W100.0 H9,985.6 D20.0)	-0.13	0.33	9,162.0	-10,084.9	-95.0	387,366.80	565,574.20	32° 3' 53.316 N	104° 7' 17.944 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
309.0	309.0	TOS			
534.0	534.0	BOS (Fletcher)			
2,131.0	2,131.0	LMAR (Top Delaware)			
2,324.0	2,324.0	Rustler			
2,364.0	2,364.0	CYCN			
3,218.0	3,218.0	Bone Sprg (BSGL)			
4,437.0	4,437.0	FBSG_sand			
5,962.2	5,959.0	TBSG_sand			
6,316.1	6,312.0	WFMP			
6,539.6	6,535.0	SBSG_sand			
6,822.9	6,818.0	U Avalon Sh			
6,930.9	6,926.0	L Avalon Sh			
7,752.9	7,748.0	BYCN			
8,042.9	8,038.0	BLCN			
8,735.1	8,728.0	SBSG_sand_Base			
9,165.6	9,060.0	B Avalon Sh			

Planning Report

Database:	EDM Users	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #602H
Company:	NORTHERN DELAWARE BASIN	TVD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Project:	EDDY COUNTY, NM	MD Reference:	RKB = 3013' + 29' @ 3042.0usft (Original Well Elev)
Site:	ATLAS	North Reference:	Grid
Well:	MYOX 31 STATE COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PLAN 1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,500.0	4,500.0	0.0	0.0	NUDGE - Build 2.00
4,700.0	4,699.8	6.8	-1.7	HOLD - 1804.6 at 4700.0 MD
6,504.6	6,500.0	128.9	-32.1	DROP - -1.00
6,904.6	6,899.7	142.5	-35.5	HOLD - 1667.3 at 6904.6 MD
8,571.9	8,567.0	142.5	-35.5	KOP - DLS 10.00-TFO 180.33
9,470.6	9,140.0	-429.2	-38.8	EOC - 9655.9 hold at 9470.6 MD
19,126.5	9,162.0	-10,084.9	-95.0	TD at 19126.5

