

NORTHERN DELAWARE BASIN

EDDY COUNTY, NM

ATLAS

***MYOX 6 STATE COM 510H**

OWB

Plan: PWP1

Standard Survey Report

25 April, 2019

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well *MYOX 6 STATE COM 510H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Site:	ATLAS	MD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Well:	*MYOX 6 STATE COM 510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

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

Well	*MYOX 6 STATE COM 510H				
Well Position	+N/-S	0.0 usft	Northing:	391,782.00 usft	Latitude: 32° 4' 37.071 N
	+E/-W	0.0 usft	Easting:	562,383.20 usft	Longitude: 104° 7' 54.932 W
Position Uncertainty	3.0 usft		Wellhead Elevation:	usft	Ground Level: 3,079.0 usft

Wellbore	OWB
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	WMM2015	2/21/2019	7.05	59.79	47,604.27614013

Design	PWP1
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Audit Notes:	
Version:	Phase: PLAN Tie On Depth: 0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	356.99

Survey Tool Program	Date 4/25/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	18,921.4	PWP1 (OWB)	MWD	OWSG MWD - Standard

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	

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Well:	*MYOX 6 STATE COM 510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

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)	
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	
Start Build 2.00										
2,100.0	2.00	324.55	2,100.0	1.4	-1.0	1.5	2.00	2.00	0.00	
2,200.0	4.00	324.55	2,199.8	5.7	-4.0	5.9	2.00	2.00	0.00	
2,250.0	5.00	324.55	2,249.7	8.9	-6.3	9.2	2.00	2.00	0.00	
Start 5514.5 hold at 2250.0 MD										
2,300.0	5.00	324.55	2,299.5	12.4	-8.9	12.9	0.00	0.00	0.00	
2,400.0	5.00	324.55	2,399.1	19.5	-13.9	20.2	0.00	0.00	0.00	
2,500.0	5.00	324.55	2,498.7	26.6	-19.0	27.6	0.00	0.00	0.00	
2,600.0	5.00	324.55	2,598.4	33.7	-24.0	34.9	0.00	0.00	0.00	
2,700.0	5.00	324.55	2,698.0	40.8	-29.1	42.3	0.00	0.00	0.00	
2,800.0	5.00	324.55	2,797.6	47.9	-34.1	49.7	0.00	0.00	0.00	
2,900.0	5.00	324.55	2,897.2	55.0	-39.2	57.0	0.00	0.00	0.00	
3,000.0	5.00	324.55	2,996.8	62.1	-44.2	64.4	0.00	0.00	0.00	
3,100.0	5.00	324.55	3,096.4	69.2	-49.3	71.7	0.00	0.00	0.00	
3,200.0	5.00	324.55	3,196.1	76.3	-54.3	79.1	0.00	0.00	0.00	
3,300.0	5.00	324.55	3,295.7	83.4	-59.4	86.4	0.00	0.00	0.00	
3,400.0	5.00	324.55	3,395.3	90.5	-64.5	93.8	0.00	0.00	0.00	
3,500.0	5.00	324.55	3,494.9	97.6	-69.5	101.1	0.00	0.00	0.00	
3,600.0	5.00	324.55	3,594.5	104.7	-74.6	108.5	0.00	0.00	0.00	
3,700.0	5.00	324.55	3,694.2	111.8	-79.6	115.9	0.00	0.00	0.00	
3,800.0	5.00	324.55	3,793.8	118.9	-84.7	123.2	0.00	0.00	0.00	
3,900.0	5.00	324.55	3,893.4	126.0	-89.7	130.6	0.00	0.00	0.00	
4,000.0	5.00	324.55	3,993.0	133.1	-94.8	137.9	0.00	0.00	0.00	
4,100.0	5.00	324.55	4,092.6	140.2	-99.8	145.3	0.00	0.00	0.00	
4,200.0	5.00	324.55	4,192.3	147.3	-104.9	152.6	0.00	0.00	0.00	
4,300.0	5.00	324.55	4,291.9	154.4	-110.0	160.0	0.00	0.00	0.00	
4,400.0	5.00	324.55	4,391.5	161.5	-115.0	167.3	0.00	0.00	0.00	
4,500.0	5.00	324.55	4,491.1	168.6	-120.1	174.7	0.00	0.00	0.00	
4,600.0	5.00	324.55	4,590.7	175.7	-125.1	182.1	0.00	0.00	0.00	
4,700.0	5.00	324.55	4,690.4	182.8	-130.2	189.4	0.00	0.00	0.00	
4,800.0	5.00	324.55	4,790.0	189.9	-135.2	196.8	0.00	0.00	0.00	

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
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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)
4,900.0	5.00	324.55	4,889.6	197.0	-140.3	204.1	0.00	0.00	0.00
5,000.0	5.00	324.55	4,989.2	204.1	-145.3	211.5	0.00	0.00	0.00
5,100.0	5.00	324.55	5,088.8	211.2	-150.4	218.8	0.00	0.00	0.00
5,200.0	5.00	324.55	5,188.5	218.3	-155.4	226.2	0.00	0.00	0.00
5,300.0	5.00	324.55	5,288.1	225.4	-160.5	233.5	0.00	0.00	0.00
5,400.0	5.00	324.55	5,387.7	232.5	-165.6	240.9	0.00	0.00	0.00
5,500.0	5.00	324.55	5,487.3	239.6	-170.6	248.3	0.00	0.00	0.00
5,600.0	5.00	324.55	5,586.9	246.7	-175.7	255.6	0.00	0.00	0.00
5,700.0	5.00	324.55	5,686.6	253.8	-180.7	263.0	0.00	0.00	0.00
5,800.0	5.00	324.55	5,786.2	260.9	-185.8	270.3	0.00	0.00	0.00
5,900.0	5.00	324.55	5,885.8	268.0	-190.8	277.7	0.00	0.00	0.00
6,000.0	5.00	324.55	5,985.4	275.1	-195.9	285.0	0.00	0.00	0.00
6,100.0	5.00	324.55	6,085.0	282.2	-200.9	292.4	0.00	0.00	0.00
6,200.0	5.00	324.55	6,184.7	289.3	-206.0	299.7	0.00	0.00	0.00
6,300.0	5.00	324.55	6,284.3	296.4	-211.1	307.1	0.00	0.00	0.00
6,400.0	5.00	324.55	6,383.9	303.5	-216.1	314.5	0.00	0.00	0.00
6,500.0	5.00	324.55	6,483.5	310.6	-221.2	321.8	0.00	0.00	0.00
6,600.0	5.00	324.55	6,583.1	317.7	-226.2	329.2	0.00	0.00	0.00
6,700.0	5.00	324.55	6,682.7	324.8	-231.3	336.5	0.00	0.00	0.00
6,800.0	5.00	324.55	6,782.4	331.9	-236.3	343.9	0.00	0.00	0.00
6,900.0	5.00	324.55	6,882.0	339.0	-241.4	351.2	0.00	0.00	0.00
7,000.0	5.00	324.55	6,981.6	346.1	-246.4	358.6	0.00	0.00	0.00
7,100.0	5.00	324.55	7,081.2	353.2	-251.5	365.9	0.00	0.00	0.00
7,200.0	5.00	324.55	7,180.8	360.3	-256.5	373.3	0.00	0.00	0.00
7,300.0	5.00	324.55	7,280.5	367.4	-261.6	380.7	0.00	0.00	0.00
7,400.0	5.00	324.55	7,380.1	374.5	-266.7	388.0	0.00	0.00	0.00
7,500.0	5.00	324.55	7,479.7	381.6	-271.7	395.4	0.00	0.00	0.00
7,600.0	5.00	324.55	7,579.3	388.7	-276.8	402.7	0.00	0.00	0.00
7,700.0	5.00	324.55	7,678.9	395.8	-281.8	410.1	0.00	0.00	0.00
7,764.5	5.00	324.55	7,743.2	400.4	-285.1	414.8	0.00	0.00	0.00
Start DLS 10.00 TFO 20.27									
7,800.0	8.42	332.97	7,778.5	404.0	-287.2	418.5	10.00	9.63	23.73
7,900.0	18.32	339.52	7,875.6	425.3	-296.0	440.2	10.00	9.90	6.54
8,000.0	28.29	341.53	7,967.4	462.6	-309.1	478.2	10.00	9.97	2.02
8,100.0	38.27	342.56	8,050.8	514.7	-325.9	531.1	10.00	9.98	1.02
8,200.0	48.27	343.21	8,123.6	580.2	-346.0	597.5	10.00	9.99	0.65
8,300.0	58.26	343.68	8,183.3	656.9	-368.8	675.3	10.00	9.99	0.47
8,400.0	68.25	344.06	8,228.3	742.6	-393.6	762.2	10.00	9.99	0.38
8,500.0	78.25	344.39	8,257.0	834.6	-419.6	855.5	10.00	10.00	0.33
8,600.0	88.24	344.70	8,268.8	930.2	-446.0	952.3	10.00	10.00	0.31
8,617.6	90.00	344.75	8,269.1	947.2	-450.6	969.5	10.00	10.00	0.30
Start DLS 2.00 TFO 90.22									

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well *MYOX 6 STATE COM 510H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Site:	ATLAS	MD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Well:	*MYOX 6 STATE COM 510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

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)
8,700.0	89.99	346.40	8,269.1	1,027.0	-471.1	1,050.3	2.00	-0.01	2.00
8,800.0	89.99	348.40	8,269.1	1,124.6	-493.0	1,148.9	2.00	-0.01	2.00
8,900.0	89.98	350.40	8,269.1	1,222.8	-511.4	1,248.0	2.00	-0.01	2.00
9,000.0	89.97	352.40	8,269.1	1,321.7	-526.3	1,347.5	2.00	-0.01	2.00
9,100.0	89.96	354.40	8,269.2	1,421.0	-537.8	1,447.3	2.00	-0.01	2.00
9,200.0	89.96	356.40	8,269.3	1,520.7	-545.8	1,547.3	2.00	-0.01	2.00
9,300.0	89.95	358.40	8,269.4	1,620.6	-550.4	1,647.3	2.00	-0.01	2.00
9,368.2	89.94	359.76	8,269.4	1,688.8	-551.5	1,715.4	2.00	-0.01	2.00
Start 9553.2 hold at 9368.2 MD									
9,400.0	89.94	359.76	8,269.5	1,720.6	-551.6	1,747.2	0.00	0.00	0.00
9,500.0	89.94	359.76	8,269.6	1,820.6	-552.0	1,847.1	0.00	0.00	0.00
9,600.0	89.94	359.76	8,269.7	1,920.6	-552.4	1,947.0	0.00	0.00	0.00
9,700.0	89.94	359.76	8,269.8	2,020.6	-552.8	2,046.8	0.00	0.00	0.00
9,800.0	89.94	359.76	8,269.9	2,120.6	-553.3	2,146.7	0.00	0.00	0.00
9,900.0	89.94	359.76	8,270.0	2,220.6	-553.7	2,246.6	0.00	0.00	0.00
10,000.0	89.94	359.76	8,270.1	2,320.6	-554.1	2,346.5	0.00	0.00	0.00
10,100.0	89.94	359.76	8,270.2	2,420.6	-554.5	2,446.4	0.00	0.00	0.00
10,200.0	89.94	359.76	8,270.3	2,520.6	-554.9	2,546.3	0.00	0.00	0.00
10,300.0	89.94	359.76	8,270.4	2,620.6	-555.3	2,646.1	0.00	0.00	0.00
10,400.0	89.94	359.76	8,270.5	2,720.6	-555.7	2,746.0	0.00	0.00	0.00
10,500.0	89.94	359.76	8,270.6	2,820.6	-556.2	2,845.9	0.00	0.00	0.00
10,600.0	89.94	359.76	8,270.7	2,920.6	-556.6	2,945.8	0.00	0.00	0.00
10,700.0	89.94	359.76	8,270.8	3,020.6	-557.0	3,045.7	0.00	0.00	0.00
10,800.0	89.94	359.76	8,270.9	3,120.6	-557.4	3,145.5	0.00	0.00	0.00
10,900.0	89.94	359.76	8,271.0	3,220.6	-557.8	3,245.4	0.00	0.00	0.00
11,000.0	89.94	359.76	8,271.1	3,320.6	-558.2	3,345.3	0.00	0.00	0.00
11,100.0	89.94	359.76	8,271.2	3,420.6	-558.6	3,445.2	0.00	0.00	0.00
11,200.0	89.94	359.76	8,271.3	3,520.6	-559.1	3,545.1	0.00	0.00	0.00
11,300.0	89.94	359.76	8,271.4	3,620.6	-559.5	3,645.0	0.00	0.00	0.00
11,400.0	89.94	359.76	8,271.5	3,720.6	-559.9	3,744.8	0.00	0.00	0.00
11,500.0	89.94	359.76	8,271.6	3,820.6	-560.3	3,844.7	0.00	0.00	0.00
11,600.0	89.94	359.76	8,271.7	3,920.6	-560.7	3,944.6	0.00	0.00	0.00
11,700.0	89.94	359.76	8,271.8	4,020.6	-561.1	4,044.5	0.00	0.00	0.00
11,800.0	89.94	359.76	8,271.9	4,120.6	-561.6	4,144.4	0.00	0.00	0.00
11,900.0	89.94	359.76	8,272.0	4,220.6	-562.0	4,244.3	0.00	0.00	0.00
12,000.0	89.94	359.76	8,272.1	4,320.6	-562.4	4,344.1	0.00	0.00	0.00
12,100.0	89.94	359.76	8,272.2	4,420.6	-562.8	4,444.0	0.00	0.00	0.00
12,200.0	89.94	359.76	8,272.3	4,520.6	-563.2	4,543.9	0.00	0.00	0.00
12,300.0	89.94	359.76	8,272.4	4,620.6	-563.6	4,643.8	0.00	0.00	0.00
12,400.0	89.94	359.76	8,272.5	4,720.6	-564.0	4,743.7	0.00	0.00	0.00
12,500.0	89.94	359.76	8,272.6	4,820.6	-564.5	4,843.6	0.00	0.00	0.00
12,600.0	89.94	359.76	8,272.7	4,920.6	-564.9	4,943.4	0.00	0.00	0.00

Survey Report

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Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Site:	ATLAS	MD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Well:	*MYOX 6 STATE COM 510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

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)
12,700.0	89.94	359.76	8,272.8	5,020.6	-565.3	5,043.3	0.00	0.00	0.00
12,800.0	89.94	359.76	8,272.9	5,120.6	-565.7	5,143.2	0.00	0.00	0.00
12,900.0	89.94	359.76	8,273.0	5,220.6	-566.1	5,243.1	0.00	0.00	0.00
13,000.0	89.94	359.76	8,273.1	5,320.6	-566.5	5,343.0	0.00	0.00	0.00
13,100.0	89.94	359.76	8,273.2	5,420.6	-566.9	5,442.9	0.00	0.00	0.00
13,200.0	89.94	359.76	8,273.3	5,520.6	-567.4	5,542.7	0.00	0.00	0.00
13,300.0	89.94	359.76	8,273.4	5,620.6	-567.8	5,642.6	0.00	0.00	0.00
13,400.0	89.94	359.76	8,273.5	5,720.6	-568.2	5,742.5	0.00	0.00	0.00
13,500.0	89.94	359.76	8,273.6	5,820.6	-568.6	5,842.4	0.00	0.00	0.00
13,600.0	89.94	359.76	8,273.7	5,920.6	-569.0	5,942.3	0.00	0.00	0.00
13,700.0	89.94	359.76	8,273.8	6,020.6	-569.4	6,042.2	0.00	0.00	0.00
13,800.0	89.94	359.76	8,273.9	6,120.6	-569.9	6,142.0	0.00	0.00	0.00
13,900.0	89.94	359.76	8,274.0	6,220.6	-570.3	6,241.9	0.00	0.00	0.00
14,000.0	89.94	359.76	8,274.1	6,320.6	-570.7	6,341.8	0.00	0.00	0.00
14,100.0	89.94	359.76	8,274.2	6,420.6	-571.1	6,441.7	0.00	0.00	0.00
14,200.0	89.94	359.76	8,274.3	6,520.6	-571.5	6,541.6	0.00	0.00	0.00
14,300.0	89.94	359.76	8,274.4	6,620.6	-571.9	6,641.5	0.00	0.00	0.00
14,400.0	89.94	359.76	8,274.5	6,720.6	-572.3	6,741.3	0.00	0.00	0.00
14,500.0	89.94	359.76	8,274.6	6,820.6	-572.8	6,841.2	0.00	0.00	0.00
14,600.0	89.94	359.76	8,274.7	6,920.6	-573.2	6,941.1	0.00	0.00	0.00
14,700.0	89.94	359.76	8,274.8	7,020.5	-573.6	7,041.0	0.00	0.00	0.00
14,800.0	89.94	359.76	8,274.9	7,120.5	-574.0	7,140.9	0.00	0.00	0.00
14,900.0	89.94	359.76	8,275.0	7,220.5	-574.4	7,240.7	0.00	0.00	0.00
15,000.0	89.94	359.76	8,275.1	7,320.5	-574.8	7,340.6	0.00	0.00	0.00
15,100.0	89.94	359.76	8,275.2	7,420.5	-575.2	7,440.5	0.00	0.00	0.00
15,200.0	89.94	359.76	8,275.3	7,520.5	-575.7	7,540.4	0.00	0.00	0.00
15,300.0	89.94	359.76	8,275.4	7,620.5	-576.1	7,640.3	0.00	0.00	0.00
15,400.0	89.94	359.76	8,275.5	7,720.5	-576.5	7,740.2	0.00	0.00	0.00
15,500.0	89.94	359.76	8,275.6	7,820.5	-576.9	7,840.0	0.00	0.00	0.00
15,600.0	89.94	359.76	8,275.7	7,920.5	-577.3	7,939.9	0.00	0.00	0.00
15,700.0	89.94	359.76	8,275.8	8,020.5	-577.7	8,039.8	0.00	0.00	0.00
15,800.0	89.94	359.76	8,275.9	8,120.5	-578.1	8,139.7	0.00	0.00	0.00
15,900.0	89.94	359.76	8,276.0	8,220.5	-578.6	8,239.6	0.00	0.00	0.00
16,000.0	89.94	359.76	8,276.1	8,320.5	-579.0	8,339.5	0.00	0.00	0.00
16,100.0	89.94	359.76	8,276.2	8,420.5	-579.4	8,439.3	0.00	0.00	0.00
16,200.0	89.94	359.76	8,276.3	8,520.5	-579.8	8,539.2	0.00	0.00	0.00
16,300.0	89.94	359.76	8,276.4	8,620.5	-580.2	8,639.1	0.00	0.00	0.00
16,400.0	89.94	359.76	8,276.5	8,720.5	-580.6	8,739.0	0.00	0.00	0.00
16,500.0	89.94	359.76	8,276.6	8,820.5	-581.1	8,838.9	0.00	0.00	0.00
16,600.0	89.94	359.76	8,276.7	8,920.5	-581.5	8,938.8	0.00	0.00	0.00
16,700.0	89.94	359.76	8,276.8	9,020.5	-581.9	9,038.6	0.00	0.00	0.00

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well *MYOX 6 STATE COM 510H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Site:	ATLAS	MD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Well:	*MYOX 6 STATE COM 510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

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)	
16,800.0	89.94	359.76	8,276.9	9,120.5	-582.3	9,138.5	0.00	0.00	0.00	
16,900.0	89.94	359.76	8,277.0	9,220.5	-582.7	9,238.4	0.00	0.00	0.00	
17,000.0	89.94	359.76	8,277.1	9,320.5	-583.1	9,338.3	0.00	0.00	0.00	
17,100.0	89.94	359.76	8,277.2	9,420.5	-583.5	9,438.2	0.00	0.00	0.00	
17,200.0	89.94	359.76	8,277.3	9,520.5	-584.0	9,538.1	0.00	0.00	0.00	
17,300.0	89.94	359.76	8,277.4	9,620.5	-584.4	9,637.9	0.00	0.00	0.00	
17,400.0	89.94	359.76	8,277.5	9,720.5	-584.8	9,737.8	0.00	0.00	0.00	
17,500.0	89.94	359.76	8,277.6	9,820.5	-585.2	9,837.7	0.00	0.00	0.00	
17,600.0	89.94	359.76	8,277.7	9,920.5	-585.6	9,937.6	0.00	0.00	0.00	
17,700.0	89.94	359.76	8,277.8	10,020.5	-586.0	10,037.5	0.00	0.00	0.00	
17,800.0	89.94	359.76	8,277.9	10,120.5	-586.4	10,137.4	0.00	0.00	0.00	
17,900.0	89.94	359.76	8,278.0	10,220.5	-586.9	10,237.2	0.00	0.00	0.00	
18,000.0	89.94	359.76	8,278.1	10,320.5	-587.3	10,337.1	0.00	0.00	0.00	
18,100.0	89.94	359.76	8,278.2	10,420.5	-587.7	10,437.0	0.00	0.00	0.00	
18,200.0	89.94	359.76	8,278.3	10,520.5	-588.1	10,536.9	0.00	0.00	0.00	
18,300.0	89.94	359.76	8,278.4	10,620.5	-588.5	10,636.8	0.00	0.00	0.00	
18,400.0	89.94	359.76	8,278.5	10,720.5	-588.9	10,736.7	0.00	0.00	0.00	
18,500.0	89.94	359.76	8,278.6	10,820.5	-589.4	10,836.5	0.00	0.00	0.00	
18,600.0	89.94	359.76	8,278.7	10,920.5	-589.8	10,936.4	0.00	0.00	0.00	
18,700.0	89.94	359.76	8,278.8	11,020.5	-590.2	11,036.3	0.00	0.00	0.00	
18,800.0	89.94	359.76	8,278.9	11,120.5	-590.6	11,136.2	0.00	0.00	0.00	
18,900.0	89.94	359.76	8,279.0	11,220.5	-591.0	11,236.1	0.00	0.00	0.00	
18,921.4	89.94	359.76	8,279.0	11,241.9	-591.1	11,257.4	0.00	0.00	0.00	
TD at 18921.4										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (MYOX 6 STATE	0.00	0.00	0.0	767.7	-546.6	392,549.70	561,836.60	32° 4' 44.679 N	104° 8' 1.268 W	
- hit/miss target										
- Shape										
- Point										
- plan misses target center by 942.4usft at 0.0usft MD (0.0 TVD, 0.0 N, 0.0 E)										
LTP (MYOX 6 STATE	0.00	0.00	0.0	11,191.9	-590.8	402,973.90	561,792.40	32° 6' 27.843 N	104° 8' 1.558 W	
- hit/miss target										
- Shape										
- Point										
- plan misses target center by 8278.9usft at 18863.1usft MD (8278.9 TVD, 11183.6 N, -590.9 E)										
BHL (MYOX 6 STATE	0.00	0.00	0.0	11,241.9	-591.1	403,023.90	561,792.10	32° 6' 28.338 N	104° 8' 1.560 W	
- hit/miss target										
- Shape										
- Point										
- plan misses target center by 8279.0usft at 18913.1usft MD (8279.0 TVD, 11233.6 N, -591.1 E)										

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well *MYOX 6 STATE COM 510H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Site:	ATLAS	MD Reference:	RKB = 3079' + 24' @ 3103.0usft (Ensign 156)
Well:	*MYOX 6 STATE COM 510H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2000	2000	0	0	Start Build 2.00
2250	2250	9	-6	Start 5514.5 hold at 2250.0 MD
7765	7743	400	-285	Start DLS 10.00 TFO 20.27
8618	8269	947	-451	Start DLS 2.00 TFO 90.22
9368	8269	1689	-551	Start 9553.2 hold at 9368.2 MD
18,921	8279	11,242	-591	TD at 18921.4

Checked By: _____ Approved By: _____ Date: _____