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NM OIL CONSERVATION
ARTESIA DISTRICT

NOV 30 2018

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NORTHERN DELAWARE BASIN

EDDY COUNTY, NM

ATLAS

MYOX 21 ST COM #58H

30.015-44968

OWB

**Provide Signature Page for
Directional Survey**

Design: ACTUAL WELLPATH

Standard Survey Report

27 August, 2018

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	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		
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 21 ST COM #58H		
Well Position	+N/-S	0.0 usft	Northing: 403,733.54 usft
	+E/-W	0.0 usft	Easting: 576,574.58 usft
Position Uncertainty	3.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 6' 35.058 N
		Longitude:	104° 5' 9.671 W
		Ground Level:	2,962.5 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination
	WMM2015	5/16/2018	(°)
			7.11
			Dip Angle
			(°)
			59.84
			Field Strength
			(nT)
			47,710.52886419

Design	ACTUAL WELLPATH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			2.96

Survey Program	Date 8/27/2018		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	9,514.0	GYRO (OWB)	Standard Keeper 104
9,716.0	20,527.0	MWD-CURVE/LATERAL (OWB)	MWD+IFR1+MS
			Description
			Standard Wireline Keeper ver 1.0.4
			OWSG MWD + IFR1 + Multi-Station Correction

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.68	239.84	100.0	-0.3	-0.5	-0.3	0.68	0.68	0.00
125.0	0.44	266.43	125.0	-0.4	-0.7	-0.4	1.39	-0.96	106.36
150.0	0.49	258.99	150.0	-0.4	-0.9	-0.5	0.31	0.20	-29.76
175.0	0.44	273.69	175.0	-0.4	-1.1	-0.5	0.52	-0.20	58.80
200.0	0.48	273.90	200.0	-0.4	-1.3	-0.5	0.16	0.16	0.84
225.0	0.68	285.17	225.0	-0.4	-1.6	-0.4	0.92	0.80	45.08
250.0	0.77	276.03	250.0	-0.3	-1.9	-0.4	0.59	0.36	-36.56



Survey Report

Company: NORTHERN DELAWARE BASIN
Project: EDDY COUNTY, NM
Site: ATLAS
Well: MYOX 21 ST COM #58H
Wellbore: OWB
Design: ACTUAL WELLPATH

Local Co-ordinate Reference: Well MYOX 21 ST COM #58H
TVD Reference: RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
MD Reference: RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM_Users

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)
275.0	0.73	269.66	275.0	-0.3	-2.2	-0.4	0.37	-0.16	-25.48
300.0	0.77	262.14	300.0	-0.3	-2.5	-0.4	0.42	0.16	-30.08
325.0	0.93	268.83	325.0	-0.3	-2.9	-0.5	0.75	0.64	26.76
350.0	1.08	273.63	350.0	-0.3	-3.4	-0.5	0.69	0.60	19.20
375.0	1.09	271.82	375.0	-0.3	-3.8	-0.5	0.14	0.04	-7.24
400.0	1.10	278.70	400.0	-0.3	-4.3	-0.5	0.53	0.04	27.52
425.0	1.16	278.15	425.0	-0.2	-4.8	-0.4	0.24	0.24	-2.20
450.0	1.19	278.09	450.0	-0.1	-5.3	-0.4	0.12	0.12	-0.24
475.0	1.21	282.88	475.0	0.0	-5.8	-0.3	0.41	0.08	19.16
500.0	1.29	282.18	499.9	0.1	-6.3	-0.2	0.33	0.32	-2.80
525.0	1.19	280.58	524.9	0.2	-6.9	-0.2	0.42	-0.40	-6.40
550.0	1.09	279.89	549.9	0.3	-7.4	-0.1	0.40	-0.40	-2.76
575.0	1.12	275.29	574.9	0.4	-7.8	0.0	0.37	0.12	-18.40
600.0	1.11	274.81	599.9	0.4	-8.3	0.0	0.05	-0.04	-1.92
625.0	1.13	262.63	624.9	0.4	-8.8	-0.1	0.95	0.08	-48.72
650.0	1.16	261.35	649.9	0.3	-9.3	-0.2	0.16	0.12	-5.12
675.0	1.02	260.71	674.9	0.2	-9.8	-0.3	0.56	-0.56	-2.56
700.0	0.95	265.97	699.9	0.2	-10.2	-0.3	0.46	-0.28	21.04
725.0	0.79	260.53	724.9	0.2	-10.6	-0.4	0.72	-0.64	-21.76
750.0	0.47	252.16	749.9	0.1	-10.8	-0.5	1.33	-1.28	-33.48
775.0	0.28	142.06	774.9	0.0	-10.9	-0.6	2.50	-0.76	-440.40
800.0	0.62	115.00	799.9	-0.1	-10.7	-0.6	1.57	1.36	-108.24
825.0	0.59	106.91	824.9	-0.2	-10.5	-0.7	0.36	-0.12	-32.36
850.0	0.64	110.64	849.9	-0.3	-10.2	-0.8	0.26	0.20	14.92
875.0	0.66	94.23	874.9	-0.3	-10.0	-0.8	0.75	0.08	-65.64
900.0	0.77	79.15	899.9	-0.3	-9.7	-0.8	0.87	0.44	-60.32
925.0	0.88	92.84	924.9	-0.3	-9.3	-0.8	0.90	0.44	54.76
950.0	0.92	93.75	949.9	-0.3	-8.9	-0.8	0.17	0.16	3.64
975.0	0.99	100.32	974.9	-0.4	-8.5	-0.8	0.52	0.28	26.28
1,000.0	0.91	96.52	999.9	-0.4	-8.1	-0.8	0.41	-0.32	-15.20
1,025.0	0.98	102.45	1,024.9	-0.5	-7.7	-0.9	0.48	0.28	23.72
1,050.0	1.11	126.63	1,049.9	-0.7	-7.3	-1.1	1.82	0.52	96.72
1,075.0	1.29	139.65	1,074.9	-1.0	-6.9	-1.4	1.30	0.72	52.08
1,100.0	1.36	144.13	1,099.9	-1.5	-6.6	-1.8	0.50	0.28	17.92
1,125.0	1.52	145.91	1,124.9	-2.0	-6.2	-2.3	0.66	0.64	7.12
1,150.0	1.37	146.93	1,149.9	-2.5	-5.8	-2.8	0.61	-0.60	4.08
1,175.0	1.40	149.65	1,174.8	-3.1	-5.5	-3.3	0.29	0.12	10.88
1,200.0	1.39	143.29	1,199.8	-3.6	-5.2	-3.8	0.62	-0.04	-25.44
1,225.0	1.53	150.85	1,224.8	-4.1	-4.8	-4.3	0.95	0.56	30.24
1,250.0	1.34	146.03	1,249.8	-4.6	-4.5	-4.9	0.90	-0.76	-19.28
1,275.0	1.50	144.98	1,274.8	-5.1	-4.2	-5.3	0.65	0.64	-4.20
1,300.0	1.35	148.05	1,299.8	-5.7	-3.8	-5.8	0.67	-0.60	12.28

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Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
1,325.0	1.29	145.92	1,324.8	-6.1	-3.5	-6.3	0.31	-0.24	-8.52
1,350.0	1.40	150.64	1,349.8	-6.6	-3.2	-6.8	0.62	0.44	18.88
1,375.0	1.26	148.63	1,374.8	-7.1	-2.9	-7.3	0.59	-0.56	-8.04
1,400.0	1.10	145.11	1,399.8	-7.6	-2.6	-7.7	0.70	-0.64	-14.08
1,425.0	1.06	140.28	1,424.8	-7.9	-2.3	-8.1	0.40	-0.16	-19.32
1,450.0	1.04	137.65	1,449.8	-8.3	-2.0	-8.4	0.21	-0.08	-10.52
1,475.0	1.07	138.12	1,474.8	-8.6	-1.7	-8.7	0.12	0.12	1.88
1,500.0	1.11	137.78	1,499.8	-9.0	-1.4	-9.0	0.16	0.16	-1.36
1,525.0	1.14	135.48	1,524.8	-9.3	-1.1	-9.4	0.22	0.12	-9.20
1,550.0	1.06	140.36	1,549.8	-9.7	-0.8	-9.7	0.49	-0.32	19.52
1,575.0	0.98	131.01	1,574.7	-10.0	-0.5	-10.0	0.74	-0.32	-37.40
1,600.0	1.12	133.94	1,599.7	-10.3	-0.1	-10.3	0.60	0.56	11.72
1,625.0	1.06	129.79	1,624.7	-10.6	0.2	-10.6	0.40	-0.24	-16.60
1,650.0	1.15	135.34	1,649.7	-11.0	0.6	-10.9	0.56	0.36	22.20
1,675.0	1.18	131.07	1,674.7	-11.3	1.0	-11.3	0.37	0.12	-17.08
1,700.0	1.36	130.10	1,699.7	-11.7	1.4	-11.6	0.73	0.72	-3.88
1,725.0	1.35	124.63	1,724.7	-12.0	1.9	-11.9	0.52	-0.04	-21.88
1,750.0	2.07	124.36	1,749.7	-12.5	2.5	-12.3	2.88	2.88	-1.08
1,775.0	2.01	118.75	1,774.7	-12.9	3.2	-12.7	0.83	-0.24	-22.44
1,800.0	2.14	124.64	1,799.7	-13.4	4.0	-13.2	1.00	0.52	23.56
1,825.0	2.28	123.35	1,824.7	-13.9	4.8	-13.7	0.59	0.56	-5.16
1,850.0	2.30	125.16	1,849.6	-14.5	5.6	-14.2	0.30	0.08	7.24
1,875.0	2.40	125.78	1,874.6	-15.1	6.5	-14.7	0.41	0.40	2.48
1,900.0	2.32	122.67	1,899.6	-15.7	7.3	-15.3	0.60	-0.32	-12.44
1,925.0	2.67	126.08	1,924.6	-16.3	8.2	-15.8	1.52	1.40	13.64
1,950.0	2.87	129.09	1,949.5	-17.0	9.2	-16.5	0.99	0.80	12.04
1,975.0	2.87	128.75	1,974.5	-17.8	10.1	-17.3	0.07	0.00	-1.36
2,000.0	3.07	128.41	1,999.5	-18.6	11.1	-18.0	0.80	0.80	-1.36
2,025.0	3.45	127.89	2,024.4	-19.5	12.3	-18.8	1.52	1.52	-2.08
2,050.0	3.40	128.25	2,049.4	-20.4	13.4	-19.7	0.22	-0.20	1.44
2,075.0	3.80	126.68	2,074.3	-21.4	14.7	-20.6	1.65	1.60	-6.28
2,100.0	4.06	127.99	2,099.3	-22.4	16.0	-21.6	1.10	1.04	5.24
2,125.0	4.48	125.90	2,124.2	-23.5	17.5	-22.6	1.79	1.68	-8.36
2,150.0	4.46	125.01	2,149.1	-24.7	19.1	-23.6	0.29	-0.08	-3.56
2,175.0	4.52	122.90	2,174.1	-25.8	20.7	-24.7	0.70	0.24	-8.44
2,200.0	4.69	125.05	2,199.0	-26.9	22.4	-25.7	0.97	0.68	8.60
2,225.0	4.65	123.84	2,223.9	-28.0	24.1	-26.7	0.43	-0.16	-4.84
2,250.0	4.78	125.99	2,248.8	-29.2	25.8	-27.8	0.88	0.52	8.60
2,275.0	4.71	124.43	2,273.7	-30.4	27.5	-28.9	0.59	-0.28	-6.24
2,300.0	4.76	128.52	2,298.6	-31.6	29.1	-30.1	1.36	0.20	16.36
2,325.0	4.78	136.28	2,323.6	-33.0	30.7	-31.4	2.58	0.08	31.04
2,350.0	4.86	143.66	2,348.5	-34.6	32.0	-32.9	2.50	0.32	29.52

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Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
2,375.0	4.43	148.17	2,373.4	-36.3	33.1	-34.5	2.26	-1.72	18.04
2,400.0	4.07	152.24	2,398.3	-37.9	34.1	-36.1	1.88	-1.44	16.28
2,425.0	3.56	158.31	2,423.3	-39.4	34.8	-37.6	2.60	-2.04	24.28
2,450.0	2.87	163.66	2,448.2	-40.7	35.2	-38.9	3.01	-2.76	21.40
2,475.0	2.54	169.05	2,473.2	-41.9	35.5	-40.0	1.67	-1.32	21.56
2,500.0	1.93	178.24	2,498.2	-42.8	35.6	-41.0	2.82	-2.44	36.76
2,525.0	1.63	186.64	2,523.2	-43.6	35.6	-41.7	1.59	-1.20	33.60
2,550.0	1.55	188.95	2,548.2	-44.3	35.5	-42.4	0.41	-0.32	9.24
2,575.0	1.62	189.65	2,573.1	-45.0	35.4	-43.1	0.29	0.28	2.80
2,600.0	2.02	180.34	2,598.1	-45.8	35.3	-43.9	1.98	1.60	-37.24
2,625.0	1.39	196.47	2,623.1	-46.5	35.2	-44.6	3.14	-2.52	64.52
2,650.0	1.36	194.93	2,648.1	-47.1	35.1	-45.2	0.19	-0.12	-6.16
2,675.0	1.46	188.46	2,673.1	-47.7	35.0	-45.8	0.75	0.40	-25.88
2,700.0	1.35	188.18	2,698.1	-48.3	34.9	-46.4	0.44	-0.44	-1.12
2,725.0	1.30	192.16	2,723.1	-48.9	34.8	-47.0	0.42	-0.20	15.92
2,750.0	1.30	190.19	2,748.1	-49.4	34.6	-47.6	0.18	0.00	-7.88
2,775.0	1.31	188.71	2,773.1	-50.0	34.6	-48.1	0.14	0.04	-5.92
2,800.0	1.32	171.99	2,798.1	-50.6	34.6	-48.7	1.53	0.04	-66.88
2,825.0	1.33	168.77	2,823.1	-51.1	34.6	-49.3	0.30	0.04	-12.88
2,850.0	1.26	166.35	2,848.1	-51.7	34.8	-49.8	0.36	-0.28	-9.68
2,875.0	1.38	168.78	2,873.1	-52.2	34.9	-50.4	0.53	0.48	9.72
2,900.0	1.20	163.89	2,898.0	-52.8	35.0	-50.9	0.84	-0.72	-19.56
2,925.0	1.25	163.33	2,923.0	-53.3	35.2	-51.4	0.21	0.20	-2.24
2,950.0	1.26	152.57	2,948.0	-53.8	35.4	-51.9	0.94	0.04	-43.04
2,975.0	1.25	165.51	2,973.0	-54.3	35.6	-52.4	1.13	-0.04	51.76
3,000.0	1.41	162.73	2,998.0	-54.9	35.7	-52.9	0.69	0.64	-11.12
3,025.0	1.25	161.77	3,023.0	-55.4	35.9	-53.5	0.65	-0.64	-3.84
3,050.0	1.40	158.02	3,048.0	-56.0	36.1	-54.0	0.69	0.60	-15.00
3,075.0	1.26	158.85	3,073.0	-56.5	36.3	-54.5	0.57	-0.56	3.32
3,100.0	1.25	161.89	3,098.0	-57.0	36.5	-55.1	0.27	-0.04	12.16
3,125.0	1.24	159.05	3,123.0	-57.5	36.7	-55.6	0.25	-0.04	-11.36
3,150.0	1.35	157.04	3,148.0	-58.1	36.9	-56.1	0.48	0.44	-8.04
3,175.0	1.38	161.05	3,173.0	-58.6	37.1	-56.6	0.40	0.12	16.04
3,200.0	1.40	153.90	3,198.0	-59.2	37.3	-57.2	0.70	0.08	-28.60
3,225.0	1.28	160.33	3,223.0	-59.7	37.6	-57.7	0.77	-0.48	25.72
3,250.0	1.32	158.88	3,248.0	-60.2	37.8	-58.2	0.21	0.16	-5.80
3,275.0	1.22	162.12	3,272.9	-60.8	38.0	-58.7	0.49	-0.40	12.96
3,300.0	1.17	165.96	3,297.9	-61.3	38.1	-59.2	0.38	-0.20	15.36
3,325.0	0.92	167.03	3,322.9	-61.7	38.2	-59.6	1.00	-1.00	4.28
3,350.0	1.03	163.65	3,347.9	-62.1	38.3	-60.0	0.50	0.44	-13.52
3,375.0	0.95	164.13	3,372.9	-62.5	38.4	-60.5	0.32	-0.32	1.92
3,400.0	1.08	178.31	3,397.9	-63.0	38.5	-60.9	1.13	0.52	56.72

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
3,425.0	0.84	165.69	3,422.9	-63.4	38.6	-61.3	1.27	-0.96	-50.48
3,450.0	1.00	164.80	3,447.9	-63.8	38.7	-61.7	0.64	0.64	-3.56
3,475.0	0.90	171.50	3,472.9	-64.2	38.7	-62.1	0.60	-0.40	26.80
3,500.0	1.02	162.82	3,497.9	-64.6	38.8	-62.5	0.75	0.48	-34.72
3,525.0	1.17	168.18	3,522.9	-65.0	39.0	-62.9	0.73	0.60	21.44
3,550.0	1.09	171.42	3,547.9	-65.5	39.0	-63.4	0.41	-0.32	12.96
3,575.0	1.09	166.18	3,572.9	-66.0	39.1	-63.9	0.40	0.00	-20.96
3,600.0	1.17	164.73	3,597.9	-66.5	39.3	-64.3	0.34	0.32	-5.80
3,625.0	1.10	156.95	3,622.9	-66.9	39.4	-64.8	0.68	-0.28	-31.12
3,650.0	1.52	145.31	3,647.9	-67.4	39.7	-65.3	1.98	1.68	-46.56
3,675.0	1.39	144.00	3,672.9	-67.9	40.1	-65.8	0.54	-0.52	-5.24
3,700.0	1.66	141.98	3,697.9	-68.5	40.5	-66.3	1.10	1.08	-8.08
3,725.0	1.86	143.29	3,722.9	-69.1	40.9	-66.9	0.82	0.80	5.24
3,750.0	2.00	146.05	3,747.8	-69.8	41.4	-67.5	0.67	0.56	11.04
3,775.0	2.05	140.22	3,772.8	-70.5	42.0	-68.2	0.85	0.20	-23.32
3,800.0	2.03	135.68	3,797.8	-71.1	42.5	-68.8	0.65	-0.08	-18.16
3,825.0	1.92	135.17	3,822.8	-71.8	43.2	-69.4	0.45	-0.44	-2.04
3,850.0	1.88	133.59	3,847.8	-72.3	43.7	-70.0	0.26	-0.16	-6.32
3,875.0	1.88	131.82	3,872.8	-72.9	44.3	-70.5	0.23	0.00	-7.08
3,900.0	2.04	132.43	3,897.8	-73.5	45.0	-71.0	0.65	0.64	2.44
3,925.0	1.93	131.04	3,922.7	-74.0	45.6	-71.6	0.48	-0.44	-5.56
3,950.0	2.02	132.45	3,947.7	-74.6	46.3	-72.1	0.41	0.36	5.64
3,975.0	2.03	134.40	3,972.7	-75.2	46.9	-72.7	0.28	0.04	7.80
4,000.0	2.07	133.13	3,997.7	-75.8	47.6	-73.3	0.24	0.16	-5.08
4,025.0	2.05	130.34	4,022.7	-76.4	48.2	-73.8	0.41	-0.08	-11.16
4,050.0	1.99	130.67	4,047.7	-77.0	48.9	-74.4	0.24	-0.24	1.32
4,075.0	2.07	131.96	4,072.6	-77.6	49.6	-74.9	0.37	0.32	5.16
4,100.0	2.03	134.13	4,097.6	-78.2	50.2	-75.5	0.35	-0.16	8.68
4,125.0	2.18	130.37	4,122.6	-78.8	50.9	-76.1	0.82	0.60	-15.04
4,150.0	2.48	133.57	4,147.6	-79.5	51.7	-76.7	1.31	1.20	12.80
4,175.0	2.45	135.37	4,172.6	-80.3	52.4	-77.4	0.33	-0.12	7.20
4,200.0	2.51	134.10	4,197.5	-81.0	53.2	-78.2	0.33	0.24	-5.08
4,225.0	2.59	134.32	4,222.5	-81.8	54.0	-78.9	0.32	0.32	0.88
4,250.0	2.76	133.35	4,247.5	-82.6	54.8	-79.7	0.70	0.68	-3.88
4,275.0	2.98	137.77	4,272.5	-83.5	55.7	-80.5	1.25	0.88	17.68
4,300.0	2.97	136.40	4,297.4	-84.4	56.6	-81.4	0.29	-0.04	-5.48
4,325.0	3.04	136.75	4,322.4	-85.4	57.5	-82.3	0.29	0.28	1.40
4,350.0	3.00	135.00	4,347.4	-86.3	58.4	-83.2	0.40	-0.16	-7.00
4,375.0	3.05	136.05	4,372.3	-87.3	59.3	-84.1	0.30	0.20	4.20
4,400.0	3.02	134.60	4,397.3	-88.2	60.3	-85.0	0.33	-0.12	-5.80
4,425.0	3.02	136.50	4,422.3	-89.2	61.2	-85.9	0.40	0.00	7.60
4,450.0	3.03	136.30	4,447.2	-90.1	62.1	-86.8	0.06	0.04	-0.80

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
4,475.0	2.99	135.54	4,472.2	-91.1	63.0	-87.7	0.23	-0.16	-3.04
4,500.0	3.13	136.69	4,497.1	-92.0	63.9	-88.6	0.61	0.56	4.60
4,525.0	3.03	137.30	4,522.1	-93.0	64.8	-89.5	0.42	-0.40	2.44
4,550.0	3.12	136.98	4,547.1	-94.0	65.8	-90.5	0.37	0.36	-1.28
4,575.0	2.80	139.67	4,572.0	-94.9	66.6	-91.4	1.40	-1.28	10.76
4,600.0	2.72	141.47	4,597.0	-95.9	67.4	-92.3	0.47	-0.32	7.20
4,625.0	2.76	141.74	4,622.0	-96.8	68.1	-93.2	0.17	0.16	1.08
4,650.0	2.84	141.80	4,647.0	-97.8	68.9	-94.1	0.32	0.32	0.24
4,675.0	2.78	141.81	4,671.9	-98.7	69.6	-95.0	0.24	-0.24	0.04
4,700.0	2.64	143.33	4,696.9	-99.7	70.4	-95.9	0.63	-0.56	6.08
4,725.0	2.77	142.98	4,721.9	-100.6	71.1	-96.8	0.52	0.52	-1.40
4,750.0	2.74	143.46	4,746.8	-101.6	71.8	-97.7	0.15	-0.12	1.92
4,775.0	2.69	144.64	4,771.8	-102.5	72.5	-98.7	0.30	-0.20	4.72
4,800.0	2.56	141.78	4,796.8	-103.5	73.2	-99.5	0.74	-0.52	-11.44
4,825.0	2.59	141.12	4,821.8	-104.3	73.9	-100.4	0.17	0.12	-2.64
4,850.0	2.57	139.27	4,846.7	-105.2	74.6	-101.2	0.34	-0.08	-7.40
4,875.0	2.58	142.13	4,871.7	-106.1	75.3	-102.0	0.52	0.04	11.44
4,900.0	2.57	143.84	4,896.7	-107.0	76.0	-102.9	0.31	-0.04	6.84
4,925.0	2.67	141.51	4,921.7	-107.9	76.7	-103.8	0.58	0.40	-9.32
4,950.0	2.68	139.37	4,946.6	-108.8	77.4	-104.6	0.40	0.04	-8.56
4,975.0	2.84	142.44	4,971.6	-109.7	78.2	-105.5	0.87	0.64	12.28
5,000.0	3.25	138.94	4,996.6	-110.7	79.0	-106.5	1.80	1.64	-14.00
5,025.0	3.69	137.41	5,021.5	-111.9	80.0	-107.6	1.80	1.76	-6.12
5,050.0	3.98	138.80	5,046.5	-113.1	81.1	-108.8	1.22	1.16	5.56
5,075.0	4.49	137.56	5,071.4	-114.5	82.4	-110.1	2.07	2.04	-4.96
5,100.0	4.87	137.99	5,096.3	-116.0	83.7	-111.5	1.53	1.52	1.72
5,125.0	5.28	136.83	5,121.2	-117.6	85.2	-113.1	1.69	1.64	-4.64
5,150.0	5.98	135.52	5,146.1	-119.4	86.9	-114.7	2.85	2.80	-5.24
5,175.0	6.85	132.97	5,170.9	-121.3	88.9	-116.6	3.66	3.48	-10.20
5,200.0	7.39	132.08	5,195.7	-123.4	91.2	-118.6	2.20	2.16	-3.56
5,225.0	8.04	130.90	5,220.5	-125.6	93.7	-120.6	2.68	2.60	-4.72
5,250.0	8.71	130.02	5,245.3	-128.0	96.5	-122.9	2.73	2.68	-3.52
5,275.0	9.03	129.22	5,270.0	-130.5	99.5	-125.2	1.37	1.28	-3.20
5,300.0	9.53	129.65	5,294.6	-133.0	102.6	-127.6	2.02	2.00	1.72
5,325.0	9.81	129.41	5,319.3	-135.7	105.8	-130.1	1.13	1.12	-0.96
5,350.0	10.08	129.75	5,343.9	-138.5	109.2	-132.6	1.11	1.08	1.36
5,375.0	10.04	129.84	5,368.5	-141.2	112.5	-135.3	0.17	-0.16	0.36
5,400.0	10.13	129.93	5,393.1	-144.1	115.9	-137.9	0.37	0.36	0.36
5,425.0	9.98	130.23	5,417.7	-146.9	119.2	-140.5	0.64	-0.60	1.20
5,450.0	10.08	131.35	5,442.4	-149.7	122.5	-143.2	0.88	0.40	4.48
5,475.0	10.04	131.86	5,467.0	-152.6	125.8	-145.9	0.39	-0.16	2.04
5,500.0	10.05	132.47	5,491.6	-155.5	129.0	-148.7	0.43	0.04	2.44

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
5,525.0	9.71	133.28	5,516.2	-158.5	132.1	-151.4	1.47	-1.36	3.24
5,550.0	9.46	134.52	5,540.9	-161.3	135.1	-154.1	1.30	-1.00	4.96
5,575.0	9.00	135.66	5,565.5	-164.2	138.0	-156.8	1.98	-1.84	4.56
5,600.0	8.67	136.24	5,590.2	-166.9	140.6	-159.5	1.37	-1.32	2.32
5,625.0	8.56	136.67	5,615.0	-169.7	143.2	-162.0	0.51	-0.44	1.72
5,650.0	8.34	137.16	5,639.7	-172.3	145.7	-164.6	0.93	-0.88	1.96
5,675.0	8.16	137.24	5,664.4	-175.0	148.2	-167.1	0.72	-0.72	0.32
5,700.0	7.97	137.99	5,689.2	-177.6	150.5	-169.5	0.87	-0.76	3.00
5,725.0	7.68	138.99	5,714.0	-180.1	152.8	-172.0	1.28	-1.16	4.00
5,750.0	7.53	139.32	5,738.7	-182.6	155.0	-174.4	0.62	-0.60	1.32
5,775.0	6.73	140.68	5,763.5	-185.0	157.0	-176.6	3.27	-3.20	5.44
5,800.0	6.35	141.23	5,788.4	-187.2	158.7	-178.8	1.54	-1.52	2.20
5,825.0	5.95	142.03	5,813.2	-189.3	160.4	-180.8	1.64	-1.60	3.20
5,850.0	5.71	143.40	5,838.1	-191.3	161.9	-182.7	1.11	-0.96	5.48
5,875.0	5.46	143.58	5,863.0	-193.3	163.4	-184.6	1.00	-1.00	0.72
5,900.0	5.20	144.39	5,887.9	-195.2	164.8	-186.4	1.08	-1.04	3.24
5,925.0	5.11	143.65	5,912.8	-197.0	166.1	-188.1	0.45	-0.36	-2.96
5,950.0	4.63	144.56	5,937.7	-198.7	167.3	-189.8	1.94	-1.92	3.64
5,975.0	4.33	146.22	5,962.6	-200.3	168.4	-191.3	1.31	-1.20	6.64
6,000.0	4.19	146.58	5,987.5	-201.8	169.5	-192.8	0.57	-0.56	1.44
6,025.0	4.21	149.83	6,012.5	-203.4	170.4	-194.3	0.96	0.08	13.00
6,050.0	4.07	148.93	6,037.4	-204.9	171.3	-195.8	0.62	-0.56	-3.60
6,075.0	3.77	150.16	6,062.4	-206.4	172.2	-197.3	1.25	-1.20	4.92
6,100.0	3.49	152.09	6,087.3	-207.8	173.0	-198.6	1.22	-1.12	7.72
6,125.0	3.27	150.85	6,112.3	-209.1	173.7	-199.9	0.93	-0.88	-4.96
6,150.0	3.21	151.42	6,137.2	-210.3	174.4	-201.1	0.27	-0.24	2.28
6,175.0	3.08	152.40	6,162.2	-211.5	175.0	-202.2	0.56	-0.52	3.92
6,200.0	2.82	150.63	6,187.1	-212.7	175.6	-203.3	1.10	-1.04	-7.08
6,225.0	2.60	152.15	6,212.1	-213.7	176.2	-204.3	0.93	-0.88	6.08
6,250.0	2.52	150.89	6,237.1	-214.7	176.7	-205.3	0.39	-0.32	-5.04
6,275.0	2.34	154.14	6,262.1	-215.6	177.2	-206.2	0.91	-0.72	13.00
6,300.0	2.32	152.29	6,287.1	-216.5	177.7	-207.1	0.31	-0.08	-7.40
6,325.0	2.30	153.18	6,312.0	-217.4	178.1	-208.0	0.16	-0.08	3.56
6,350.0	2.19	162.80	6,337.0	-218.3	178.5	-208.8	1.57	-0.44	38.48
6,375.0	2.23	167.09	6,362.0	-219.3	178.8	-209.8	0.68	0.16	17.16
6,400.0	2.38	171.17	6,387.0	-220.3	178.9	-210.7	0.89	0.60	16.32
6,425.0	2.19	174.71	6,412.0	-221.3	179.1	-211.7	0.95	-0.76	14.16
6,450.0	2.41	178.27	6,436.9	-222.3	179.1	-212.7	1.05	0.88	14.24
6,475.0	2.39	177.79	6,461.9	-223.3	179.2	-213.8	0.11	-0.08	-1.92
6,500.0	2.42	180.11	6,486.9	-224.3	179.2	-214.8	0.41	0.12	9.28
6,525.0	2.74	178.52	6,511.9	-225.5	179.2	-215.9	1.31	1.28	-6.36
6,550.0	2.81	178.65	6,536.8	-226.7	179.2	-217.1	0.28	0.28	0.52

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
6,575.0	2.90	178.34	6,561.8	-227.9	179.3	-218.4	0.37	0.36	-1.24
6,600.0	2.93	179.69	6,586.8	-229.2	179.3	-219.6	0.30	0.12	5.40
6,625.0	2.89	179.47	6,611.7	-230.5	179.3	-220.9	0.17	-0.16	-0.88
6,650.0	2.87	178.36	6,636.7	-231.7	179.3	-222.2	0.24	-0.08	-4.44
6,675.0	2.60	182.13	6,661.7	-232.9	179.3	-223.3	1.30	-1.08	15.08
6,700.0	2.38	188.32	6,686.7	-234.0	179.2	-224.4	1.39	-0.88	24.76
6,725.0	2.30	190.97	6,711.6	-235.0	179.0	-225.4	0.54	-0.32	10.60
6,750.0	2.25	189.85	6,736.6	-236.0	178.9	-226.4	0.27	-0.20	-4.48
6,775.0	2.36	188.03	6,761.6	-237.0	178.7	-227.4	0.53	0.44	-7.28
6,800.0	2.34	190.32	6,786.6	-238.0	178.5	-228.4	0.38	-0.08	9.16
6,825.0	2.42	190.86	6,811.6	-239.0	178.3	-229.5	0.33	0.32	2.16
6,850.0	2.29	187.82	6,836.5	-240.0	178.2	-230.5	0.72	-0.52	-12.16
6,875.0	2.09	182.34	6,861.5	-241.0	178.1	-231.5	1.16	-0.80	-21.92
6,900.0	2.07	176.88	6,886.5	-241.9	178.1	-232.4	0.80	-0.08	-21.84
6,925.0	2.11	160.05	6,911.5	-242.8	178.3	-233.2	2.45	0.16	-67.32
6,950.0	2.46	142.19	6,936.5	-243.6	178.8	-234.1	3.16	1.40	-71.44
6,975.0	2.74	133.82	6,961.4	-244.5	179.5	-234.9	1.88	1.12	-33.48
7,000.0	2.85	133.86	6,986.4	-245.3	180.4	-235.7	0.44	0.44	0.16
7,025.0	2.84	133.36	7,011.4	-246.2	181.3	-236.5	0.11	-0.04	-2.00
7,050.0	2.49	136.38	7,036.3	-247.0	182.1	-237.2	1.51	-1.40	12.08
7,075.0	2.02	144.18	7,061.3	-247.7	182.8	-238.0	2.24	-1.88	31.20
7,100.0	1.80	148.57	7,086.3	-248.4	183.2	-238.6	1.06	-0.88	17.56
7,125.0	1.66	155.13	7,111.3	-249.1	183.6	-239.3	0.97	-0.56	26.24
7,150.0	1.74	151.03	7,136.3	-249.7	183.9	-239.9	0.58	0.32	-16.40
7,175.0	1.59	151.76	7,161.3	-250.4	184.3	-240.5	0.61	-0.60	2.92
7,200.0	1.61	151.61	7,186.3	-251.0	184.6	-241.1	0.08	0.08	-0.60
7,225.0	1.75	154.49	7,211.3	-251.6	184.9	-241.8	0.65	0.56	11.52
7,250.0	1.77	155.57	7,236.2	-252.3	185.3	-242.4	0.15	0.08	4.32
7,275.0	1.75	153.61	7,261.2	-253.0	185.6	-243.1	0.25	-0.08	-7.84
7,300.0	1.76	153.15	7,286.2	-253.7	185.9	-243.8	0.07	0.04	-1.84
7,325.0	1.57	148.98	7,311.2	-254.4	186.3	-244.4	0.90	-0.76	-16.68
7,350.0	1.67	154.42	7,336.2	-255.0	186.6	-245.0	0.73	0.40	21.76
7,375.0	1.80	156.71	7,361.2	-255.7	186.9	-245.7	0.59	0.52	9.16
7,400.0	1.86	155.28	7,386.2	-256.4	187.2	-246.4	0.30	0.24	-5.72
7,425.0	1.91	155.42	7,411.2	-257.1	187.6	-247.1	0.20	0.20	0.56
7,450.0	1.90	153.69	7,436.2	-257.9	187.9	-247.8	0.23	-0.04	-6.92
7,475.0	1.95	150.70	7,461.1	-258.6	188.3	-248.6	0.45	0.20	-11.96
7,500.0	1.97	140.75	7,486.1	-259.3	188.8	-249.2	1.36	0.08	-39.80
7,525.0	1.95	141.54	7,511.1	-260.0	189.4	-249.9	0.13	-0.08	3.16
7,550.0	2.13	143.12	7,536.1	-260.7	189.9	-250.6	0.75	0.72	6.32
7,575.0	2.59	142.92	7,561.1	-261.5	190.5	-251.3	1.84	1.84	-0.80
7,600.0	4.06	144.11	7,586.0	-262.7	191.4	-252.5	5.89	5.88	4.76

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)	
7,625.0	4.56	144.28	7,611.0	-264.2	192.5	-253.9	2.00	2.00	0.68	
7,650.0	4.45	145.32	7,635.9	-265.8	193.6	-255.5	0.55	-0.44	4.16	
7,675.0	4.32	146.32	7,660.8	-267.4	194.7	-257.0	0.60	-0.52	4.00	
7,700.0	4.35	148.17	7,685.7	-269.0	195.7	-258.5	0.57	0.12	7.40	
7,725.0	4.24	150.35	7,710.7	-270.6	196.7	-260.1	0.79	-0.44	8.72	
7,750.0	4.17	148.44	7,735.6	-272.2	197.6	-261.6	0.63	-0.28	-7.64	
7,775.0	3.96	148.92	7,760.5	-273.7	198.5	-263.1	0.85	-0.84	1.92	
7,800.0	4.19	151.03	7,785.5	-275.2	199.4	-264.6	1.10	0.92	8.44	
7,825.0	4.32	147.89	7,810.4	-276.8	200.3	-266.1	1.07	0.52	-12.56	
7,850.0	4.23	149.87	7,835.3	-278.4	201.3	-267.7	0.69	-0.36	7.92	
7,875.0	4.39	152.29	7,860.3	-280.1	202.2	-269.3	0.97	0.64	9.68	
7,900.0	4.61	149.46	7,885.2	-281.8	203.2	-270.9	1.25	0.88	-11.32	
7,925.0	4.44	150.19	7,910.1	-283.5	204.2	-272.6	0.72	-0.68	2.92	
7,950.0	4.67	151.68	7,935.0	-285.2	205.1	-274.3	1.03	0.92	5.96	
7,975.0	4.50	150.16	7,960.0	-287.0	206.1	-275.9	0.84	-0.68	-6.08	
8,000.0	4.52	149.74	7,984.9	-288.7	207.1	-277.6	0.15	0.08	-1.68	
8,025.0	4.34	147.63	8,009.8	-290.3	208.1	-279.2	0.97	-0.72	-8.44	
8,050.0	4.44	147.00	8,034.7	-291.9	209.1	-280.7	0.44	0.40	-2.52	
8,075.0	4.14	143.31	8,059.7	-293.5	210.2	-282.2	1.63	-1.20	-14.76	
8,100.0	4.00	146.76	8,084.6	-294.9	211.2	-283.6	1.13	-0.56	13.80	
8,125.0	4.00	143.90	8,109.5	-296.4	212.2	-285.0	0.80	0.00	-11.44	
8,150.0	3.82	145.99	8,134.5	-297.7	213.2	-286.3	0.92	-0.72	8.36	
8,175.0	3.97	145.90	8,159.4	-299.2	214.1	-287.7	0.60	0.60	-0.36	
8,200.0	3.86	141.86	8,184.4	-300.5	215.1	-289.0	1.19	-0.44	-16.16	
8,225.0	3.95	142.91	8,209.3	-301.9	216.2	-290.3	0.46	0.36	4.20	
8,250.0	4.30	138.00	8,234.2	-303.3	217.3	-291.6	1.99	1.40	-19.64	
8,275.0	4.42	139.02	8,259.2	-304.7	218.6	-293.0	0.57	0.48	4.08	
8,300.0	4.21	137.41	8,284.1	-306.1	219.8	-294.3	0.97	-0.84	-6.44	
8,325.0	4.32	136.38	8,309.0	-307.4	221.1	-295.6	0.54	0.44	-4.12	
8,350.0	4.54	134.74	8,333.9	-308.8	222.5	-296.9	1.02	0.88	-6.56	
8,375.0	4.47	134.14	8,358.9	-310.2	223.9	-298.2	0.34	-0.28	-2.40	
8,400.0	4.01	136.50	8,383.8	-311.5	225.2	-299.5	1.97	-1.84	9.44	
8,425.0	3.53	142.24	8,408.7	-312.8	226.2	-300.7	2.44	-1.92	22.96	
8,450.0	3.13	150.42	8,433.7	-314.0	227.0	-301.8	2.48	-1.60	32.72	
8,475.0	2.44	156.59	8,458.7	-315.0	227.6	-302.9	3.01	-2.76	24.68	
8,500.0	2.35	166.95	8,483.7	-316.0	227.9	-303.8	1.77	-0.36	41.44	
8,525.0	2.12	165.52	8,508.6	-317.0	228.1	-304.8	0.95	-0.92	-5.72	
8,550.0	2.25	162.30	8,533.6	-317.9	228.4	-305.7	0.72	0.52	-12.88	
8,575.0	2.27	166.01	8,558.6	-318.8	228.7	-306.6	0.59	0.08	14.84	
8,600.0	2.25	164.50	8,583.6	-319.8	228.9	-307.5	0.25	-0.08	-6.04	
8,625.0	2.18	157.47	8,608.6	-320.7	229.2	-308.4	1.12	-0.28	-28.12	
8,650.0	2.53	151.09	8,633.5	-321.6	229.7	-309.3	1.75	1.40	-25.52	

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
8,675.0	2.75	142.86	8,658.5	-322.6	230.3	-310.3	1.75	0.88	-32.92
8,700.0	2.85	141.89	8,683.5	-323.6	231.1	-311.2	0.44	0.40	-3.88
8,725.0	2.85	140.48	8,708.5	-324.5	231.8	-312.1	0.28	0.00	-5.64
8,750.0	2.94	139.82	8,733.4	-325.5	232.7	-313.0	0.38	0.36	-2.64
8,775.0	2.99	141.62	8,758.4	-326.5	233.5	-314.0	0.42	0.20	7.20
8,800.0	2.92	140.26	8,783.4	-327.5	234.3	-315.0	0.40	-0.28	-5.44
8,825.0	2.84	138.54	8,808.3	-328.4	235.1	-315.9	0.47	-0.32	-6.88
8,850.0	2.73	137.55	8,833.3	-329.4	235.9	-316.7	0.48	-0.44	-3.96
8,875.0	2.72	136.30	8,858.3	-330.2	236.7	-317.6	0.24	-0.04	-5.00
8,900.0	2.62	137.68	8,883.2	-331.1	237.5	-318.4	0.48	-0.40	5.52
8,925.0	2.54	138.68	8,908.2	-331.9	238.3	-319.2	0.37	-0.32	4.00
8,950.0	2.43	138.12	8,933.2	-332.7	239.0	-319.9	0.45	-0.44	-2.24
8,975.0	2.45	138.80	8,958.2	-333.5	239.7	-320.7	0.14	0.08	2.72
9,000.0	2.41	140.25	8,983.1	-334.3	240.4	-321.5	0.29	-0.16	5.80
9,025.0	2.36	141.06	9,008.1	-335.1	241.0	-322.2	0.24	-0.20	3.24
9,050.0	2.29	142.40	9,033.1	-335.9	241.7	-323.0	0.35	-0.28	5.36
9,075.0	2.35	142.46	9,058.1	-336.7	242.3	-323.8	0.24	0.24	0.24
9,100.0	2.47	142.79	9,083.1	-337.6	242.9	-324.6	0.48	0.48	1.32
9,125.0	2.55	143.99	9,108.0	-338.4	243.6	-325.4	0.38	0.32	4.80
9,150.0	2.62	142.84	9,133.0	-339.3	244.3	-326.3	0.35	0.28	-4.60
9,175.0	2.71	143.47	9,158.0	-340.3	244.9	-327.2	0.38	0.36	2.52
9,200.0	2.85	143.60	9,183.0	-341.3	245.7	-328.1	0.56	0.56	0.52
9,225.0	3.00	142.24	9,207.9	-342.3	246.4	-329.1	0.66	0.60	-5.44
9,250.0	3.16	141.43	9,232.9	-343.3	247.3	-330.1	0.66	0.64	-3.24
9,275.0	3.50	140.48	9,257.8	-344.5	248.2	-331.2	1.38	1.36	-3.80
9,300.0	3.74	138.19	9,282.8	-345.6	249.2	-332.3	1.12	0.96	-9.16
9,325.0	4.04	136.83	9,307.7	-346.9	250.4	-333.5	1.26	1.20	-5.44
9,350.0	4.31	136.49	9,332.7	-348.2	251.6	-334.8	1.08	1.08	-1.36
9,375.0	4.67	136.88	9,357.6	-349.6	252.9	-336.1	1.45	1.44	1.56
9,400.0	5.02	136.02	9,382.5	-351.2	254.4	-337.6	1.43	1.40	-3.44
9,425.0	5.33	136.14	9,407.4	-352.8	256.0	-339.1	1.24	1.24	0.48
9,450.0	5.76	136.46	9,432.3	-354.5	257.6	-340.8	1.72	1.72	1.28
9,475.0	6.29	137.08	9,457.1	-356.5	259.4	-342.6	2.14	2.12	2.48
9,500.0	6.49	138.64	9,482.0	-358.5	261.3	-344.6	1.06	0.80	6.24
9,514.0	6.58	137.23	9,495.9	-359.7	262.4	-345.7	1.31	0.64	-10.07
9,716.0	7.13	149.02	9,696.5	-379.0	276.7	-364.2	0.75	0.27	5.84
9,810.0	4.96	121.64	9,790.0	-386.1	283.1	-371.0	3.78	-2.31	-29.13
9,903.0	3.84	122.32	9,882.7	-389.9	289.2	-374.4	1.21	-1.20	0.73
9,995.0	2.50	99.53	9,974.5	-391.8	293.8	-376.1	1.97	-1.46	-24.77
10,026.0	3.43	91.04	10,005.5	-392.0	295.4	-376.2	3.31	3.00	-27.39
10,057.0	6.96	80.86	10,036.4	-391.7	298.2	-375.8	11.72	11.39	-32.84
10,089.0	10.44	66.81	10,068.0	-390.2	302.7	-374.1	12.67	10.88	-43.91

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
10,119.0	13.35	61.61	10,097.3	-387.5	308.3	-371.1	10.33	9.70	-17.33
10,151.0	16.68	51.29	10,128.3	-382.9	315.1	-366.1	13.31	10.41	-32.25
10,182.0	19.68	45.03	10,157.7	-376.4	322.3	-359.3	11.53	9.68	-20.19
10,212.0	23.46	38.46	10,185.6	-368.2	329.6	-350.7	14.93	12.60	-21.90
10,243.0	27.04	32.86	10,213.6	-357.4	337.2	-339.5	13.87	11.55	-18.06
10,276.0	30.81	27.29	10,242.5	-343.6	345.2	-325.3	14.03	11.42	-16.88
10,306.0	34.80	24.60	10,267.7	-329.0	352.3	-310.3	14.16	13.30	-8.97
10,337.0	38.69	21.34	10,292.6	-311.9	359.5	-292.9	14.03	12.55	-10.52
10,367.0	41.53	17.01	10,315.5	-293.6	365.8	-274.4	13.27	9.47	-14.43
10,399.0	45.06	12.71	10,338.8	-272.4	371.4	-252.9	14.37	11.03	-13.44
10,429.0	49.88	10.85	10,359.1	-250.8	375.9	-231.1	16.70	16.07	-6.20
10,460.0	53.64	11.17	10,378.3	-226.9	380.6	-207.0	12.16	12.13	1.03
10,506.0	60.40	12.55	10,403.3	-189.2	388.5	-168.9	14.91	14.70	3.00
10,552.0	66.12	13.17	10,424.0	-149.1	397.7	-128.4	12.49	12.43	1.35
10,599.0	73.61	10.61	10,440.2	-106.0	406.7	-84.8	16.74	15.94	-5.45
10,644.0	80.10	9.20	10,450.4	-62.8	414.2	-41.4	14.74	14.42	-3.13
10,692.0	88.03	8.15	10,455.3	-15.7	421.4	6.1	16.66	16.52	-2.19
10,733.0	89.80	8.53	10,456.1	24.9	427.4	46.9	4.42	4.32	0.93
10,772.0	90.33	8.15	10,456.1	63.5	433.0	85.7	1.67	1.36	-0.97
10,865.0	89.46	10.81	10,456.3	155.2	448.4	178.1	3.01	-0.94	2.86
10,957.0	90.11	11.90	10,456.6	245.4	466.5	269.1	1.38	0.71	1.18
11,051.0	87.87	10.25	10,458.3	337.6	484.5	382.2	2.96	-2.38	-1.76
11,144.0	86.89	7.71	10,462.5	429.4	499.0	454.6	2.92	-1.05	-2.73
11,238.0	88.52	3.46	10,466.3	522.8	508.2	548.4	4.84	1.73	-4.52
11,332.0	88.10	0.68	10,469.0	616.7	511.6	642.3	2.99	-0.45	-2.96
11,425.0	90.06	358.92	10,470.5	709.7	511.2	735.1	2.83	2.11	-1.89
11,518.0	90.61	357.37	10,470.0	802.6	508.2	827.8	1.77	0.59	-1.67
11,612.0	91.47	357.54	10,468.3	896.5	504.0	921.3	0.93	0.91	0.18
11,705.0	90.83	357.39	10,466.4	989.4	499.9	1,013.9	0.71	-0.69	-0.16
11,798.0	90.90	357.13	10,465.0	1,082.3	495.5	1,106.4	0.29	0.08	-0.28
11,891.0	90.56	359.93	10,463.8	1,175.2	493.1	1,199.1	3.03	-0.37	3.01
11,984.0	90.44	359.84	10,463.0	1,268.2	492.9	1,292.0	0.16	-0.13	-0.10
12,079.0	90.70	359.84	10,462.1	1,363.2	492.6	1,386.9	0.27	0.27	0.00
12,173.0	90.66	0.11	10,461.0	1,457.2	492.6	1,480.7	0.29	-0.04	0.29
12,266.0	90.38	359.36	10,460.1	1,550.2	492.2	1,573.6	0.86	-0.30	-0.81
12,361.0	90.13	358.65	10,459.7	1,645.2	490.5	1,668.3	0.79	-0.26	-0.75
12,455.0	88.97	357.71	10,460.4	1,739.2	487.5	1,762.0	1.59	-1.23	-1.00
12,548.0	89.94	357.99	10,461.3	1,832.1	484.1	1,854.6	1.09	1.04	0.30
12,639.0	88.80	0.40	10,462.3	1,923.1	482.8	1,945.4	2.93	-1.25	2.65
12,732.0	92.00	2.51	10,461.7	2,016.0	485.1	2,038.4	4.12	3.44	2.27
12,826.0	89.53	2.19	10,460.4	2,109.9	489.0	2,132.3	2.65	-2.63	-0.34
12,919.0	88.28	1.61	10,462.2	2,202.8	492.1	2,225.3	1.48	-1.34	-0.62

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
13,011.0	90.11	2.03	10,463.5	2,294.8	495.0	2,317.3	2.04	1.99	0.46
13,103.0	90.18	2.05	10,463.2	2,386.7	498.3	2,409.3	0.08	0.08	0.02
13,196.0	91.00	1.24	10,462.3	2,479.7	500.9	2,502.2	1.24	0.88	-0.87
13,290.0	89.43	0.07	10,461.9	2,573.7	502.0	2,596.2	2.08	-1.67	-1.24
13,383.0	89.19	0.46	10,463.1	2,666.7	502.4	2,689.0	0.49	-0.26	0.42
13,476.0	90.07	0.58	10,463.7	2,759.7	503.3	2,782.0	0.95	0.95	0.13
13,569.0	90.23	0.33	10,463.4	2,852.7	504.0	2,874.9	0.32	0.17	-0.27
13,662.0	91.00	0.20	10,462.4	2,945.6	504.5	2,967.8	0.84	0.83	-0.14
13,756.0	90.44	0.48	10,461.2	3,039.6	505.0	3,061.7	0.67	-0.60	0.30
13,850.0	88.27	0.17	10,462.3	3,133.6	505.5	3,155.5	2.33	-2.31	-0.33
13,942.0	89.08	0.21	10,464.4	3,225.6	505.9	3,247.4	0.88	0.88	0.04
14,036.0	90.35	0.53	10,464.9	3,319.6	506.5	3,341.3	1.39	1.35	0.34
14,122.0	88.57	359.67	10,465.7	3,405.6	506.6	3,427.2	2.30	-2.07	-1.00
14,215.0	88.04	358.87	10,468.5	3,498.5	505.4	3,520.0	1.03	-0.57	-0.86
14,309.0	88.20	358.68	10,471.5	3,592.5	503.4	3,613.7	0.26	0.17	-0.20
14,401.0	88.22	357.62	10,474.4	3,684.4	500.4	3,705.3	1.15	0.02	-1.15
14,494.0	88.98	356.36	10,476.7	3,777.2	495.6	3,797.8	1.58	0.82	-1.35
14,588.0	90.40	354.56	10,477.2	3,870.9	488.1	3,890.9	2.44	1.51	-1.91
14,680.0	92.51	357.17	10,474.9	3,962.6	481.5	3,982.2	3.65	2.29	2.84
14,772.0	93.70	1.60	10,469.9	4,054.5	480.5	4,073.9	4.98	1.29	4.82
14,865.0	92.03	0.86	10,465.2	4,147.3	482.5	4,166.7	1.96	-1.80	-0.80
14,959.0	91.14	1.06	10,462.6	4,241.3	484.1	4,260.6	0.97	-0.95	0.21
15,052.0	89.03	0.98	10,462.5	4,334.2	485.7	4,353.5	2.27	-2.27	-0.09
15,145.0	89.52	0.78	10,463.7	4,427.2	487.2	4,446.5	0.57	0.53	-0.22
15,238.0	88.40	2.34	10,465.3	4,520.2	489.7	4,539.4	2.06	-1.20	1.68
15,331.0	87.99	2.64	10,468.3	4,613.0	493.7	4,632.4	0.55	-0.44	0.32
15,424.0	87.80	2.97	10,471.7	4,705.9	498.3	4,725.3	0.41	-0.20	0.35
15,518.0	89.52	0.71	10,473.9	4,799.8	501.3	4,819.3	3.02	1.83	-2.40
15,611.0	89.26	359.97	10,474.9	4,892.8	501.8	4,912.2	0.84	-0.28	-0.80
15,705.0	89.40	359.67	10,476.0	4,986.8	501.5	5,006.0	0.35	0.15	-0.32
15,799.0	89.19	358.52	10,477.1	5,080.7	500.1	5,099.8	1.24	-0.22	-1.22
15,893.0	88.21	358.02	10,479.3	5,174.7	497.2	5,193.4	1.17	-1.04	-0.53
15,987.0	89.14	0.79	10,481.4	5,268.6	496.3	5,287.2	3.11	0.99	2.95
16,079.0	89.57	1.32	10,482.5	5,360.6	497.9	5,379.2	0.74	0.47	0.58
16,172.0	89.43	1.32	10,483.3	5,453.6	500.1	5,472.1	0.15	-0.15	0.00
16,264.0	90.50	2.06	10,483.3	5,545.5	502.8	5,564.1	1.41	1.16	0.80
16,357.0	90.54	1.83	10,482.5	5,638.5	506.0	5,657.1	0.25	0.04	-0.25
16,451.0	90.65	2.34	10,481.5	5,732.4	509.4	5,751.1	0.56	0.12	0.54
16,543.0	90.43	2.48	10,480.7	5,824.3	513.2	5,843.1	0.28	-0.24	0.15
16,636.0	89.87	2.39	10,480.4	5,917.2	517.2	5,936.1	0.61	-0.60	-0.10
16,729.0	89.89	2.34	10,480.6	6,010.2	521.0	6,029.1	0.06	0.02	-0.05
16,822.0	86.90	0.40	10,483.2	6,103.1	523.3	6,122.0	3.83	-3.22	-2.09

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

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)
16,915.0	87.89	358.72	10,487.4	6,196.0	522.5	6,214.7	2.10	1.06	-1.81
17,007.0	89.61	359.15	10,489.4	6,287.9	520.8	6,306.5	1.93	1.87	0.47
17,100.0	89.98	359.21	10,489.8	6,380.9	519.5	6,399.2	0.40	0.40	0.06
17,194.0	90.16	358.69	10,489.7	6,474.9	517.8	6,493.0	0.59	0.19	-0.55
17,289.0	89.35	357.50	10,490.1	6,569.9	514.6	6,587.7	1.52	-0.85	-1.25
17,381.0	87.69	355.85	10,492.4	6,661.7	509.3	6,679.1	2.54	-1.80	-1.79
17,475.0	88.42	355.77	10,495.6	6,755.4	502.4	6,772.3	0.78	0.78	-0.09
17,567.0	91.92	356.81	10,495.4	6,847.2	496.5	6,863.7	3.97	3.80	1.13
17,660.0	92.44	357.38	10,491.8	6,940.0	491.8	6,956.1	0.83	0.56	0.61
17,753.0	96.10	358.57	10,484.9	7,032.6	488.5	7,048.5	4.14	3.94	1.28
17,847.0	93.30	358.70	10,477.2	7,126.3	486.3	7,141.9	2.98	-2.98	0.14
17,948.0	92.36	359.79	10,472.2	7,227.2	484.9	7,242.5	1.42	-0.93	1.08
18,042.0	89.05	2.62	10,471.1	7,321.1	486.9	7,336.5	4.63	-3.52	3.01
18,134.0	89.47	2.96	10,472.2	7,413.0	491.4	7,428.5	0.59	0.46	0.37
18,226.0	86.11	0.06	10,475.8	7,504.9	493.8	7,520.3	4.82	-3.65	-3.15
18,321.0	88.22	359.14	10,480.5	7,599.7	493.1	7,615.1	2.42	2.22	-0.97
18,412.0	87.83	358.35	10,483.6	7,690.7	491.1	7,705.8	0.97	-0.43	-0.87
18,506.0	90.62	0.71	10,484.9	7,784.6	490.4	7,799.6	3.89	2.97	2.51
18,599.0	89.53	359.58	10,484.8	7,877.6	490.6	7,892.5	1.69	-1.17	-1.22
18,694.0	90.39	0.24	10,484.8	7,972.6	490.5	7,987.3	1.14	0.91	0.69
18,787.0	90.55	0.45	10,484.1	8,065.6	491.0	8,080.2	0.28	0.17	0.23
18,880.0	91.20	0.63	10,482.7	8,158.6	491.9	8,173.1	0.73	0.70	0.19
18,974.0	91.44	2.08	10,480.5	8,252.6	494.1	8,267.1	1.56	0.26	1.54
19,066.0	92.77	2.70	10,477.1	8,344.4	498.0	8,359.0	1.59	1.45	0.67
19,158.0	92.55	3.85	10,472.8	8,436.2	503.2	8,450.9	1.27	-0.24	1.25
19,251.0	88.26	2.53	10,472.2	8,529.0	508.4	8,543.9	4.83	-4.61	-1.42
19,345.0	86.06	1.25	10,476.8	8,622.8	511.5	8,637.7	2.71	-2.34	-1.36
19,438.0	86.97	1.12	10,482.5	8,715.6	513.4	8,730.5	0.99	0.98	-0.14
19,531.0	88.33	1.26	10,486.3	8,808.5	515.3	8,823.4	1.47	1.46	0.15
19,625.0	85.34	1.35	10,491.5	8,902.3	517.5	8,917.2	3.18	-3.18	0.10
19,717.0	86.41	0.96	10,498.1	8,994.1	519.3	9,008.9	1.24	1.16	-0.42
19,808.0	88.49	359.22	10,502.2	9,085.0	519.5	9,099.7	2.98	2.29	-1.91
19,900.0	92.33	357.63	10,501.5	9,176.9	516.9	9,191.4	4.52	4.17	-1.73
19,993.0	92.53	358.51	10,497.6	9,269.8	513.8	9,284.0	0.97	0.22	0.95
20,087.0	91.87	0.27	10,494.0	9,363.7	512.8	9,377.7	2.00	-0.70	1.87
20,181.0	92.62	359.48	10,490.3	9,457.6	512.6	9,471.5	1.16	0.80	-0.84
20,275.0	90.81	359.13	10,487.5	9,551.6	511.5	9,565.2	1.96	-1.93	-0.37
20,368.0	90.17	359.38	10,486.7	9,644.6	510.2	9,658.1	0.74	-0.69	0.27
20,463.0	90.19	358.90	10,486.4	9,739.6	508.8	9,752.8	0.51	0.02	-0.51
20,527.0	90.19	358.90	10,486.2	9,803.5	507.6	9,816.7	0.00	0.00	0.00

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 21 ST COM #58H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Site:	ATLAS	MD Reference:	RKB=2962.5+29 @ 2991.5usft (PRECISION 106)
Well:	MYOX 21 ST COM #58H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	ACTUAL WELLPATH	Database:	EDM_Users

Checked By: _____	Approved By: _____	Date: _____
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