

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
JAN 22 2020

EMERALD-OCD ARTESIA

Form C-11
Revised August 1, 2011
Submit one copy to appropriate District Office

☒ AMENDED REPORT
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-45950	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp
⁴ Property Code 308744	⁵ Property Name MYOX 31 STATE COM	⁶ Well Number 603H
⁷ GRID NO. 229137	⁸ Operator Name COG OPERATING, LLC	⁹ Elevation 3014'

¹⁰ Surface Location

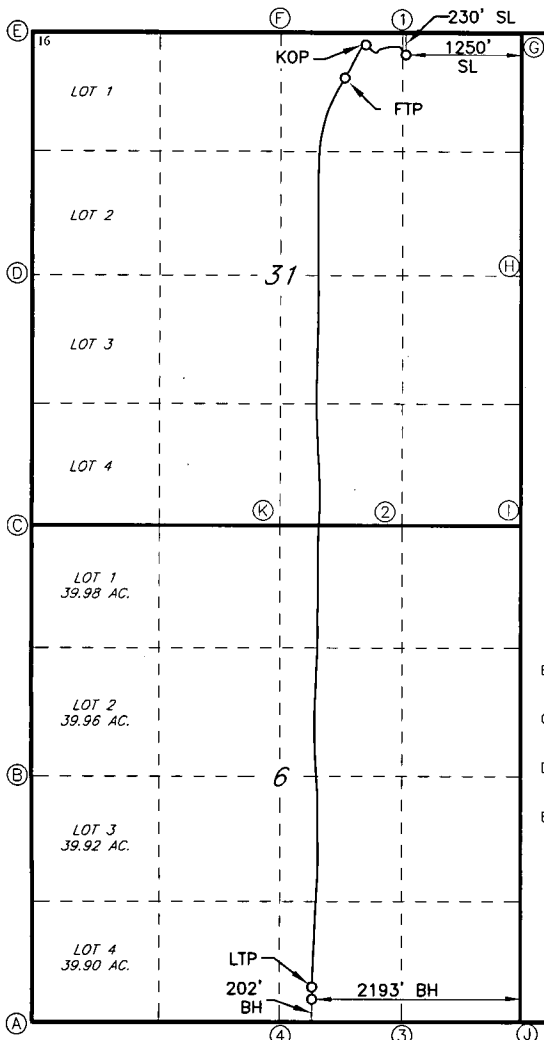
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
A	31	25S	28E		230	NORTH	1250	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	6	26S	28E		202	SOUTH	2193	EAST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)

N: 397509.8 - E: 606823.3
LAT: 32.0926575° N
LONG: 104.1218679° W
LAT: 32.05'33.5668" N
LONG: 104.07'18.7246" W

KICK OFF POINT (KOP)

133'-FNL/1687'-FEL (SEC.31)
N: 397615.0 - E: 606387.7
LAT: 32.0929490° N
LONG: 104.1232739° W
LAT: 32.05'34.6163" N
LONG: 104.07'23.7861" W
MD=8,550.00/TVD=8525.01

FIRST TAKE POINT (FTP)

495'-FNL/1911'-FEL (SEC.31)
N: 397258.3 - E: 606160.3
LAT: 32.0919696° N
LONG: 104.1240104° W
LAT: 32.05'31.0907" N
LONG: 104.07'26.4377" W
MD=9,308.00/TVD=9094.74

LAST TAKE POINT (LTP)

323'-FSL/2192'-FEL (SEC.6)
N: 387538.2 - E: 605821.2
LAT: 32.0652515° N
LONG: 104.1251660° W
LAT: 32.03'54.9049" N
LONG: 104.07'30.5977" W
MD=19,097.00/TVD=9183.64

BOTTOM HOLE

N: 387417.3 - E: 605819.6
LAT: 32.0649189° N
LONG: 104.1251718° W
LAT: 32.03'53.7084" N
LONG: 104.07'30.6190" W
MD=19,218.00/TVD=9185.79

CORNER DATA
NAD 83 GRID - NM EAST

A: 2 3/4" IRON PIPE
N: 387187.1 - E: 602707.2
B: FOUND BRASS CAP "1940"
N: 389846.0 - E: 602699.0
C: FOUND BRASS CAP "1940"
N: 392505.8 - E: 602690.5
D: FOUND BRASS CAP "1940"
N: 395164.6 - E: 602682.1
E: FOUND BRASS CAP "1940"
N: 397822.7 - E: 602672.6
F: FOUND BRASS CAP "1940"
N: 397768.3 - E: 605379.3
G: FOUND BRASS CAP "1940"
N: 397715.1 - E: 608074.9
H: FOUND BRASS CAP "1940"
N: 395116.5 - E: 608050.9
I: FOUND BRASS CAP "1940"
N: 392514.2 - E: 608024.8
J: CALCULATED CORNER
N: 387235.7 - E: 608011.7
K: FOUND BRASS CAP "1940"
N: 392516.4 - E: 605361.5

CALCULATED POINTS

1 N: 397741.7 - E: 606727.1
2 N: 392515.3 - E: 606693.2
3 N: 387223.6 - E: 606692.1
4 N: 387211.5 - E: 605372.4

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amanda Avery 1/21/2020
Signature Date

Amanda Avery

Printed Name

aavery@concho.com

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

03-12-2019

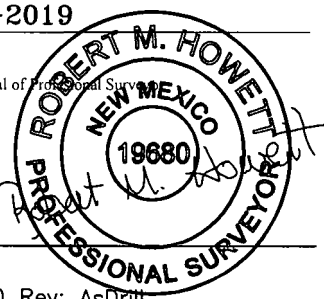
Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

1-10-2020 Rev: As Drilled



RRC-Job No.: LS9030362AD

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JAN 22 2020

EMNRD-OCD ARTESIA

Intent ☐ As Drilled ☒ X

API # 30-015-45950	Operator Name: COG Operating LLC		Property Name: Myox 31 State Com	Well Number 603H
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Kick Off Point (KOP)

UL B	Section 31	Township 25S	Range 28E	Lot	Feet 133	From N/S North	Feet 1687	From E/W East	County Eddy
Latitude 32.0929490					Longitude 104.1232739			NAD 83	

First Take Point (FTP)

UL B	Section 31	Township 25S	Range 28E	Lot	Feet 495	From N/S North	Feet 1911	From E/W East	County Eddy
Latitude 32.0919696					Longitude 104.1240104			NAD 83	

Last Take Point (LTP)

UL O	Section 6	Township 26S	Range 28E	Lot	Feet 323	From N/S South	Feet 2192	From E/W East	County Eddy
Latitude 32.0652515					Longitude 104.1251660			NAD	

pk 29' sub

Is this well the defining well for the Horizontal Spacing Unit?

No

Is this well an infill well?

Yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API # 30-015-45948	Operator Name: COG Operating LLC		Property Name: Myox 31 State Com	Well Number 601H
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KZ 06/29/2018

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JAN 22 2020
EMNRD-OCD ARTESIA

NORTHERN DELAWARE BASIN

EDDY COUNTY, NM

ATLAS

MYOX 31 STATE COM #603H

OWB

Design: AWP

A Certified Directional Survey
requested as required by NMOCD
Rule 19.15.16.14 NMAC

Standard Survey Report

05 November, 2019

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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 31 STATE COM #603H		
Well Position	+N/-S	0.0 usft	Northing: 397,452.30 usft
	+E/-W	0.0 usft	Easting: 565,639.20 usft
Position Uncertainty	3.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 5' 33.126 N
		Longitude:	104° 7' 16.959 W
		Ground Level:	3,014.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	10/18/2019	6.95
			Dip Angle (°)
			59.83
			Field Strength (nT)
			47,565.19158842

Design	AWP		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			185.59

Survey Program	Date 11/5/2019		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	8,380.0	GYRO-SURF/INTER (OWB)	Standard Keeper 104
8,380.0	19,218.0	MWD-CURVE/LAT (OWB)	MWD+IFR1+FDIR
			Description
			Standard Wireline Keeper ver 1.0.4
			OWSG MWD + IFR1 + FDIR Correction

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	0.49	190.58	100.0	-0.4	-0.1	0.4	0.49	0.49	0.00	
125.0	0.55	197.33	125.0	-0.6	-0.1	0.6	0.34	0.24	27.00	
150.0	0.74	179.43	150.0	-0.9	-0.2	0.9	1.10	0.76	-71.60	
175.0	1.00	173.84	175.0	-1.3	-0.1	1.3	1.09	1.04	-22.36	
200.0	0.82	181.80	200.0	-1.7	-0.1	1.7	0.88	-0.72	31.84	
225.0	0.73	181.98	225.0	-2.0	-0.1	2.0	0.36	-0.36	0.72	
250.0	0.50	179.91	250.0	-2.3	-0.1	2.3	0.92	-0.92	-8.28	

Survey Report

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Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	0.35	188.44	275.0	-2.5	-0.2	2.5	0.65	-0.60	34.12
300.0	0.46	170.80	300.0	-2.7	-0.1	2.7	0.66	0.44	-70.56
325.0	0.48	180.56	325.0	-2.9	-0.1	2.9	0.33	0.08	39.04
350.0	0.51	171.65	350.0	-3.1	-0.1	3.1	0.33	0.12	-35.64
375.0	0.42	179.92	375.0	-3.3	-0.1	3.3	0.45	-0.36	33.08
400.0	0.41	184.84	400.0	-3.5	-0.1	3.5	0.15	-0.04	19.68
425.0	0.72	150.72	425.0	-3.7	0.0	3.7	1.78	1.24	-136.48
450.0	1.07	136.12	450.0	-4.0	0.2	3.9	1.66	1.40	-58.40
475.0	1.32	137.86	475.0	-4.4	0.6	4.3	1.01	1.00	6.96
500.0	1.37	135.54	500.0	-4.8	1.0	4.7	0.30	0.20	-9.28
525.0	1.35	135.78	525.0	-5.2	1.4	5.1	0.08	-0.08	0.96
550.0	1.34	135.94	550.0	-5.6	1.8	5.4	0.04	-0.04	0.64
575.0	1.31	134.87	574.9	-6.1	2.2	5.8	0.16	-0.12	-4.28
600.0	1.31	136.82	599.9	-6.5	2.6	6.2	0.18	0.00	7.80
625.0	1.28	148.04	624.9	-6.9	2.9	6.6	1.02	-0.12	44.88
650.0	1.22	151.20	649.9	-7.4	3.2	7.0	0.37	-0.24	12.64
675.0	0.85	184.89	674.9	-7.8	3.3	7.4	2.79	-1.48	134.76
700.0	1.12	250.39	699.9	-8.1	3.1	7.7	4.36	1.08	262.00
725.0	1.86	268.31	724.9	-8.2	2.4	7.9	3.46	2.96	71.68
750.0	2.56	277.24	749.9	-8.1	1.5	7.9	3.11	2.80	35.72
775.0	2.70	277.85	774.9	-7.9	0.3	7.9	0.57	0.56	2.44
800.0	2.73	278.50	799.8	-7.8	-0.8	7.8	0.17	0.12	2.60
825.0	2.72	278.54	824.8	-7.6	-2.0	7.8	0.04	-0.04	0.16
850.0	2.83	276.38	849.8	-7.4	-3.2	7.7	0.61	0.44	-8.64
875.0	2.86	277.67	874.7	-7.3	-4.4	7.7	0.28	0.12	5.16
900.0	2.93	276.03	899.7	-7.1	-5.7	7.7	0.43	0.28	-6.56
925.0	2.95	275.04	924.7	-7.0	-7.0	7.7	0.22	0.08	-3.96
950.0	2.95	276.05	949.7	-6.9	-8.3	7.7	0.21	0.00	4.04
975.0	3.05	274.92	974.6	-6.8	-9.6	7.7	0.46	0.40	-4.52
1,000.0	2.98	276.40	999.6	-6.6	-10.9	7.7	0.42	-0.28	5.92
1,025.0	3.06	275.77	1,024.5	-6.5	-12.2	7.7	0.35	0.32	-2.52
1,050.0	3.00	273.87	1,049.5	-6.4	-13.5	7.7	0.47	-0.24	-7.60
1,075.0	2.99	275.01	1,074.5	-6.3	-14.8	7.7	0.24	-0.04	4.56
1,100.0	3.02	272.69	1,099.4	-6.2	-16.1	7.7	0.50	0.12	-9.28
1,125.0	2.98	274.65	1,124.4	-6.1	-17.4	7.8	0.44	-0.16	7.84
1,150.0	3.01	274.83	1,149.4	-6.0	-18.7	7.8	0.13	0.12	0.72
1,175.0	3.00	274.72	1,174.3	-5.9	-20.0	7.8	0.05	-0.04	-0.44
1,200.0	2.94	274.50	1,199.3	-5.8	-21.3	7.8	0.24	-0.24	-0.88
1,225.0	2.85	274.26	1,224.3	-5.7	-22.6	7.9	0.36	-0.36	-0.96
1,250.0	2.81	272.57	1,249.2	-5.6	-23.8	7.9	0.37	-0.16	-6.76
1,275.0	2.83	274.45	1,274.2	-5.6	-25.0	8.0	0.38	0.08	7.52
1,300.0	2.83	274.62	1,299.2	-5.5	-26.3	8.0	0.03	0.00	0.68

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM#603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	2.82	273.21	1,324.2	-5.4	-27.5	8.0	0.28	-0.04	-5.64
1,350.0	2.90	276.73	1,349.1	-5.3	-28.7	8.0	0.77	0.32	14.08
1,375.0	2.87	276.30	1,374.1	-5.1	-30.0	8.0	0.15	-0.12	-1.72
1,400.0	2.91	276.83	1,399.1	-5.0	-31.2	8.0	0.19	0.16	2.12
1,425.0	2.95	278.62	1,424.0	-4.8	-32.5	7.9	0.40	0.16	7.16
1,450.0	2.87	277.69	1,449.0	-4.6	-33.7	7.9	0.37	-0.32	-3.72
1,475.0	2.84	281.16	1,474.0	-4.4	-35.0	7.8	0.70	-0.12	13.88
1,500.0	2.78	285.96	1,498.9	-4.1	-36.2	7.6	0.97	-0.24	19.20
1,525.0	2.54	288.32	1,523.9	-3.8	-37.3	7.4	1.06	-0.96	9.44
1,550.0	2.24	294.69	1,548.9	-3.4	-38.2	7.1	1.60	-1.20	25.48
1,575.0	2.03	299.01	1,573.9	-3.0	-39.1	6.8	1.06	-0.84	17.28
1,600.0	1.55	303.16	1,598.9	-2.6	-39.7	6.5	1.99	-1.92	16.60
1,625.0	1.06	315.82	1,623.8	-2.2	-40.2	6.2	2.26	-1.96	50.64
1,650.0	0.58	357.35	1,648.8	-2.0	-40.4	5.9	2.94	-1.92	166.12
1,675.0	0.75	62.20	1,673.8	-1.8	-40.2	5.7	2.91	0.68	259.40
1,700.0	1.04	78.21	1,698.8	-1.6	-39.9	5.5	1.52	1.16	64.04
1,725.0	1.05	79.01	1,723.8	-1.5	-39.4	5.4	0.07	0.04	3.20
1,750.0	1.25	81.73	1,748.8	-1.5	-38.9	5.2	0.83	0.80	10.88
1,775.0	1.29	83.93	1,773.8	-1.4	-38.4	5.1	0.25	0.16	8.80
1,800.0	1.38	88.14	1,798.8	-1.3	-37.8	5.0	0.53	0.36	16.84
1,825.0	1.71	91.09	1,823.8	-1.3	-37.1	5.0	1.36	1.32	11.80
1,850.0	1.80	94.05	1,848.8	-1.4	-36.3	4.9	0.51	0.36	11.84
1,875.0	2.48	99.13	1,873.8	-1.5	-35.4	4.9	2.82	2.72	20.32
1,900.0	3.17	102.83	1,898.8	-1.7	-34.2	5.1	2.85	2.76	14.80
1,925.0	3.82	103.49	1,923.7	-2.1	-32.7	5.3	2.60	2.60	2.64
1,950.0	4.45	104.86	1,948.6	-2.5	-31.0	5.5	2.55	2.52	5.48
1,975.0	4.87	105.01	1,973.6	-3.0	-29.0	5.9	1.68	1.68	0.60
2,000.0	4.90	104.81	1,998.5	-3.6	-27.0	6.2	0.14	0.12	-0.80
2,025.0	4.93	104.18	2,023.4	-4.1	-24.9	6.5	0.25	0.12	-2.52
2,050.0	4.62	97.74	2,048.3	-4.5	-22.8	6.7	2.48	-1.24	-25.76
2,075.0	4.26	85.55	2,073.2	-4.6	-20.9	6.6	4.03	-1.44	-48.76
2,100.0	4.22	81.48	2,098.1	-4.4	-19.1	6.2	1.21	-0.16	-16.28
2,125.0	4.19	80.07	2,123.1	-4.1	-17.3	5.8	0.43	-0.12	-5.64
2,150.0	3.85	74.05	2,148.0	-3.7	-15.6	5.2	2.17	-1.36	-24.08
2,175.0	3.01	51.60	2,173.0	-3.1	-14.2	4.4	6.27	-3.36	-89.80
2,200.0	2.75	28.21	2,197.9	-2.1	-13.4	3.4	4.78	-1.04	-93.56
2,225.0	3.11	359.25	2,222.9	-0.9	-13.2	2.2	6.02	1.44	-115.84
2,250.0	4.46	331.77	2,247.9	0.6	-13.6	0.7	8.90	5.40	-109.92
2,275.0	5.13	325.65	2,272.8	2.4	-14.7	-0.9	3.37	2.68	-24.48
2,300.0	5.59	322.92	2,297.7	4.3	-16.1	-2.7	2.10	1.84	-10.92
2,325.0	5.50	322.37	2,322.5	6.2	-17.6	-4.5	0.42	-0.36	-2.20
2,350.0	5.64	322.25	2,347.4	8.1	-19.0	-6.2	0.56	0.56	-0.48

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	5.66	322.29	2,372.3	10.1	-20.6	-8.0	0.08	0.08	0.16	
2,400.0	5.55	322.84	2,397.2	12.0	-22.0	-9.8	0.49	-0.44	2.20	
2,425.0	5.72	322.28	2,422.1	14.0	-23.5	-11.6	0.71	0.68	-2.24	
2,450.0	5.66	322.73	2,446.9	15.9	-25.0	-13.4	0.30	-0.24	1.80	
2,475.0	5.74	323.10	2,471.8	17.9	-26.5	-15.2	0.35	0.32	1.48	
2,500.0	5.80	323.73	2,496.7	19.9	-28.0	-17.1	0.35	0.24	2.52	
2,525.0	5.85	324.60	2,521.6	22.0	-29.5	-19.0	0.41	0.20	3.48	
2,550.0	5.90	325.47	2,546.4	24.1	-31.0	-20.9	0.41	0.20	3.48	
2,575.0	5.78	325.50	2,571.3	26.2	-32.4	-22.9	0.48	-0.48	0.12	
2,600.0	6.08	326.73	2,596.2	28.3	-33.9	-24.9	1.30	1.20	4.92	
2,625.0	6.28	328.41	2,621.0	30.6	-35.3	-27.0	1.08	0.80	6.72	
2,650.0	6.13	330.11	2,645.9	32.9	-36.7	-29.2	0.95	-0.60	6.80	
2,675.0	5.98	331.00	2,670.7	35.2	-38.0	-31.3	0.71	-0.60	3.56	
2,700.0	6.22	331.30	2,695.6	37.5	-39.3	-33.5	0.97	0.96	1.20	
2,725.0	6.21	331.56	2,720.4	39.9	-40.6	-35.8	0.12	-0.04	1.04	
2,750.0	6.16	332.32	2,745.3	42.3	-41.8	-38.0	0.38	-0.20	3.04	
2,775.0	6.07	331.94	2,770.2	44.6	-43.1	-40.2	0.39	-0.36	-1.52	
2,800.0	5.81	332.19	2,795.0	46.9	-44.3	-42.4	1.05	-1.04	1.00	
2,825.0	5.25	331.14	2,819.9	49.1	-45.4	-44.4	2.28	-2.24	-4.20	
2,850.0	4.87	330.15	2,844.8	51.0	-46.5	-46.2	1.56	-1.52	-3.96	
2,875.0	4.84	330.08	2,869.7	52.8	-47.6	-47.9	0.12	-0.12	-0.28	
2,900.0	4.87	329.62	2,894.6	54.6	-48.6	-49.6	0.20	0.12	-1.84	
2,925.0	4.88	329.57	2,919.5	56.5	-49.7	-51.4	0.04	0.04	-0.20	
2,950.0	4.75	329.91	2,944.5	58.3	-50.8	-53.1	0.53	-0.52	1.36	
2,975.0	4.80	330.78	2,969.4	60.1	-51.8	-54.8	0.35	0.20	3.48	
3,000.0	4.82	331.55	2,994.3	61.9	-52.8	-56.5	0.27	0.08	3.08	
3,025.0	4.74	331.07	3,019.2	63.8	-53.8	-58.2	0.36	-0.32	-1.92	
3,050.0	4.72	331.30	3,044.1	65.6	-54.8	-59.9	0.11	-0.08	0.92	
3,075.0	4.77	330.60	3,069.0	67.4	-55.8	-61.6	0.31	0.20	-2.80	
3,100.0	4.78	331.90	3,093.9	69.2	-56.8	-63.3	0.43	0.04	5.20	
3,125.0	4.69	331.61	3,118.8	71.0	-57.8	-65.0	0.37	-0.36	-1.16	
3,150.0	4.46	330.05	3,143.8	72.8	-58.7	-66.7	1.05	-0.92	-6.24	
3,175.0	3.36	323.65	3,168.7	74.2	-59.7	-68.0	4.73	-4.40	-25.60	
3,200.0	2.29	311.86	3,193.7	75.1	-60.5	-68.9	4.85	-4.28	-47.16	
3,225.0	1.73	299.69	3,218.7	75.6	-61.2	-69.3	2.80	-2.24	-48.68	
3,250.0	1.70	296.18	3,243.7	76.0	-61.8	-69.6	0.44	-0.12	-14.04	
3,275.0	1.54	293.36	3,268.6	76.3	-62.5	-69.8	0.71	-0.64	-11.28	
3,300.0	1.64	290.70	3,293.6	76.5	-63.1	-70.0	0.50	0.40	-10.64	
3,325.0	1.67	295.00	3,318.6	76.8	-63.8	-70.2	0.51	0.12	17.20	
3,350.0	1.75	295.48	3,343.6	77.1	-64.5	-70.5	0.33	0.32	1.92	
3,375.0	1.63	295.57	3,368.6	77.5	-65.1	-70.7	0.48	-0.48	0.36	
3,400.0	1.67	298.15	3,393.6	77.8	-65.8	-71.0	0.34	0.16	10.32	

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	1.76	296.93	3,418.6	78.1	-66.4	-71.3	0.39	0.36	-4.88
3,450.0	1.78	297.02	3,443.6	78.5	-67.1	-71.6	0.08	0.08	0.36
3,475.0	1.71	297.29	3,468.6	78.8	-67.8	-71.8	0.28	-0.28	1.08
3,500.0	1.83	299.49	3,493.5	79.2	-68.5	-72.1	0.55	0.48	8.80
3,525.0	1.90	297.94	3,518.5	79.6	-69.2	-72.5	0.35	0.28	-6.20
3,550.0	1.84	298.18	3,543.5	80.0	-69.9	-72.8	0.24	-0.24	0.96
3,575.0	1.91	299.41	3,568.5	80.4	-70.6	-73.1	0.32	0.28	4.92
3,600.0	1.91	298.07	3,593.5	80.8	-71.4	-73.4	0.18	0.00	-5.36
3,625.0	1.88	300.48	3,618.5	81.2	-72.1	-73.8	0.34	-0.12	9.64
3,650.0	1.96	299.57	3,643.5	81.6	-72.8	-74.1	0.34	0.32	-3.64
3,675.0	1.99	301.01	3,668.4	82.0	-73.5	-74.5	0.23	0.12	5.76
3,700.0	2.10	298.33	3,693.4	82.5	-74.3	-74.8	0.58	0.44	-10.72
3,725.0	2.13	297.35	3,718.4	82.9	-75.1	-75.2	0.19	0.12	-3.92
3,750.0	2.06	297.02	3,743.4	83.3	-75.9	-75.5	0.28	-0.28	-1.32
3,775.0	2.13	296.43	3,768.4	83.7	-76.8	-75.8	0.29	0.28	-2.36
3,800.0	2.37	297.89	3,793.4	84.2	-77.6	-76.2	0.99	0.96	5.84
3,825.0	2.99	280.87	3,818.3	84.5	-78.7	-76.5	4.01	2.48	-68.08
3,850.0	3.50	277.72	3,843.3	84.8	-80.1	-76.5	2.16	2.04	-12.60
3,875.0	3.67	276.14	3,868.2	84.9	-81.7	-76.6	0.79	0.68	-6.32
3,900.0	3.95	275.84	3,893.2	85.1	-83.3	-76.6	1.12	1.12	-1.20
3,925.0	3.86	276.34	3,918.1	85.3	-85.0	-76.6	0.38	-0.36	2.00
3,950.0	3.90	276.25	3,943.1	85.5	-86.7	-76.6	0.16	0.16	-0.36
3,975.0	3.91	276.21	3,968.0	85.7	-88.4	-76.6	0.04	0.04	-0.16
4,000.0	3.90	275.99	3,993.0	85.8	-90.1	-76.7	0.07	-0.04	-0.88
4,025.0	3.95	276.09	4,017.9	86.0	-91.8	-76.7	0.20	0.20	0.40
4,050.0	3.94	275.57	4,042.8	86.2	-93.5	-76.7	0.15	-0.04	-2.08
4,075.0	3.98	275.26	4,067.8	86.4	-95.2	-76.7	0.18	0.16	-1.24
4,100.0	4.01	276.06	4,092.7	86.5	-97.0	-76.7	0.25	0.12	3.20
4,125.0	4.13	275.28	4,117.7	86.7	-98.7	-76.7	0.53	0.48	-3.12
4,150.0	4.34	276.98	4,142.6	86.9	-100.6	-76.7	0.98	0.84	6.80
4,175.0	4.44	276.67	4,167.5	87.1	-102.5	-76.7	0.41	0.40	-1.24
4,200.0	4.56	277.23	4,192.4	87.4	-104.4	-76.8	0.51	0.48	2.24
4,225.0	4.65	278.36	4,217.4	87.6	-106.4	-76.9	0.51	0.36	4.52
4,250.0	4.84	277.08	4,242.3	87.9	-108.4	-76.9	0.87	0.76	-5.12
4,275.0	4.81	277.30	4,267.2	88.2	-110.5	-77.0	0.14	-0.12	0.88
4,300.0	4.95	276.62	4,292.1	88.4	-112.6	-77.0	0.61	0.56	-2.72
4,325.0	5.01	277.03	4,317.0	88.7	-114.8	-77.1	0.28	0.24	1.64
4,350.0	5.18	275.84	4,341.9	89.0	-117.0	-77.1	0.80	0.68	-4.76
4,375.0	5.09	276.55	4,366.8	89.2	-119.2	-77.1	0.44	-0.36	2.84
4,400.0	5.23	275.48	4,391.7	89.4	-121.5	-77.2	0.68	0.56	-4.28
4,425.0	5.27	274.16	4,416.6	89.6	-123.7	-77.1	0.51	0.16	-5.28
4,450.0	5.29	273.28	4,441.5	89.8	-126.0	-77.1	0.33	0.08	-3.52

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	5.28	272.94	4,466.4	89.9	-128.3	-77.0	0.13	-0.04	-1.36	
4,500.0	5.22	270.72	4,491.3	90.0	-130.6	-76.8	0.85	-0.24	-8.88	
4,525.0	5.30	269.69	4,516.2	90.0	-132.9	-76.6	0.50	0.32	-4.12	
4,550.0	5.45	268.12	4,541.1	89.9	-135.3	-76.3	0.84	0.60	-6.28	
4,575.0	5.45	267.32	4,565.9	89.8	-137.6	-76.0	0.30	0.00	-3.20	
4,600.0	5.38	265.78	4,590.8	89.7	-140.0	-75.6	0.65	-0.28	-6.16	
4,625.0	5.43	264.47	4,615.7	89.5	-142.3	-75.2	0.53	0.20	-5.24	
4,650.0	5.44	264.32	4,640.6	89.3	-144.7	-74.7	0.07	0.04	-0.60	
4,675.0	5.53	264.32	4,665.5	89.0	-147.1	-74.3	0.36	0.36	0.00	
4,700.0	5.48	263.44	4,690.4	88.8	-149.4	-73.8	0.39	-0.20	-3.52	
4,725.0	5.44	263.05	4,715.3	88.5	-151.8	-73.3	0.22	-0.16	-1.56	
4,750.0	5.45	263.05	4,740.2	88.2	-154.2	-72.8	0.04	0.04	0.00	
4,775.0	5.56	261.89	4,765.0	87.9	-156.5	-72.2	0.63	0.44	-4.64	
4,800.0	5.28	261.18	4,789.9	87.5	-158.9	-71.6	1.15	-1.12	-2.84	
4,825.0	5.37	259.51	4,814.8	87.2	-161.2	-71.0	0.72	0.36	-6.68	
4,850.0	5.44	259.08	4,839.7	86.7	-163.5	-70.4	0.32	0.28	-1.72	
4,875.0	5.39	258.15	4,864.6	86.3	-165.8	-69.7	0.40	-0.20	-3.72	
4,900.0	5.30	258.95	4,889.5	85.8	-168.1	-69.0	0.47	-0.36	3.20	
4,925.0	5.36	258.14	4,914.4	85.3	-170.4	-68.3	0.38	0.24	-3.24	
4,950.0	5.46	257.55	4,939.3	84.8	-172.7	-67.6	0.46	0.40	-2.36	
4,975.0	5.42	257.68	4,964.2	84.3	-175.0	-66.9	0.17	-0.16	0.52	
5,000.0	5.61	258.16	4,989.0	83.8	-177.3	-66.1	0.78	0.76	1.92	
5,025.0	5.52	257.00	5,013.9	83.3	-179.7	-65.4	0.58	-0.36	-4.64	
5,050.0	5.69	257.68	5,038.8	82.8	-182.1	-64.6	0.73	0.68	2.72	
5,075.0	5.76	257.26	5,063.7	82.2	-184.5	-63.8	0.33	0.28	-1.68	
5,100.0	5.69	256.62	5,088.6	81.7	-186.9	-63.0	0.38	-0.28	-2.56	
5,125.0	5.70	256.91	5,113.4	81.1	-189.3	-62.2	0.12	0.04	1.16	
5,150.0	5.74	257.12	5,138.3	80.5	-191.8	-61.5	0.18	0.16	0.84	
5,175.0	5.77	256.52	5,163.2	80.0	-194.2	-60.6	0.27	0.12	-2.40	
5,200.0	5.72	256.97	5,188.1	79.4	-196.7	-59.8	0.27	-0.20	1.80	
5,225.0	5.82	256.87	5,212.9	78.8	-199.1	-59.0	0.40	0.40	-0.40	
5,250.0	5.79	256.44	5,237.8	78.2	-201.6	-58.2	0.21	-0.12	-1.72	
5,275.0	5.86	256.53	5,262.7	77.6	-204.0	-57.4	0.28	0.28	0.36	
5,300.0	5.97	256.12	5,287.5	77.0	-206.5	-56.5	0.47	0.44	-1.64	
5,325.0	5.92	256.45	5,312.4	76.4	-209.0	-55.7	0.24	-0.20	1.32	
5,350.0	6.05	256.21	5,337.3	75.8	-211.6	-54.8	0.53	0.52	-0.96	
5,375.0	6.19	256.09	5,362.1	75.2	-214.2	-53.9	0.56	0.56	-0.48	
5,400.0	6.24	255.78	5,387.0	74.5	-216.8	-53.0	0.24	0.20	-1.24	
5,425.0	6.22	255.78	5,411.8	73.8	-219.4	-52.1	0.08	-0.08	0.00	
5,450.0	6.30	255.73	5,436.7	73.2	-222.1	-51.2	0.32	0.32	-0.20	
5,475.0	6.39	255.44	5,461.5	72.5	-224.7	-50.2	0.38	0.36	-1.16	
5,500.0	6.43	255.58	5,486.4	71.8	-227.4	-49.3	0.17	0.16	0.56	

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	6.30	256.91	5,511.2	71.1	-230.1	-48.4	0.79	-0.52	5.32	
5,550.0	5.90	257.91	5,536.1	70.5	-232.7	-47.5	1.66	-1.60	4.00	
5,575.0	5.69	258.28	5,560.9	70.0	-235.2	-46.8	0.85	-0.84	1.48	
5,600.0	5.49	258.52	5,585.8	69.5	-237.6	-46.0	0.81	-0.80	0.96	
5,625.0	5.44	258.04	5,610.7	69.1	-239.9	-45.3	0.27	-0.20	-1.92	
5,650.0	5.41	258.70	5,635.6	68.6	-242.2	-44.6	0.28	-0.12	2.64	
5,675.0	5.47	258.17	5,660.5	68.1	-244.6	-43.9	0.31	0.24	-2.12	
5,700.0	5.46	257.41	5,685.4	67.6	-246.9	-43.2	0.29	-0.04	-3.04	
5,725.0	5.46	256.40	5,710.3	67.1	-249.2	-42.4	0.38	0.00	-4.04	
5,750.0	5.57	256.23	5,735.1	66.5	-251.5	-41.7	0.44	0.44	-0.68	
5,775.0	5.53	255.15	5,760.0	65.9	-253.9	-40.8	0.45	-0.16	-4.32	
5,800.0	5.43	255.09	5,784.9	65.3	-256.2	-40.0	0.40	-0.40	-0.24	
5,825.0	5.47	254.99	5,809.8	64.7	-258.5	-39.2	0.16	0.16	-0.40	
5,850.0	5.48	255.55	5,834.7	64.1	-260.8	-38.3	0.22	0.04	2.24	
5,875.0	5.59	253.65	5,859.6	63.4	-263.1	-37.5	0.85	0.44	-7.60	
5,900.0	5.63	252.86	5,884.5	62.7	-265.4	-36.5	0.35	0.16	-3.16	
5,925.0	5.60	252.32	5,909.3	62.0	-267.8	-35.6	0.24	-0.12	-2.16	
5,950.0	5.69	252.68	5,934.2	61.2	-270.1	-34.6	0.39	0.36	1.44	
5,975.0	5.70	252.23	5,959.1	60.5	-272.5	-33.6	0.18	0.04	-1.80	
6,000.0	5.51	251.14	5,984.0	59.7	-274.8	-32.7	0.87	-0.76	-4.36	
6,025.0	5.05	247.57	6,008.9	58.9	-277.0	-31.6	2.26	-1.84	-14.28	
6,050.0	4.68	245.31	6,033.8	58.1	-278.9	-30.6	1.67	-1.48	-9.04	
6,075.0	4.30	243.59	6,058.7	57.2	-280.7	-29.6	1.61	-1.52	-6.88	
6,100.0	4.30	241.06	6,083.6	56.4	-282.3	-28.6	0.76	0.00	-10.12	
6,125.0	4.22	239.90	6,108.6	55.4	-283.9	-27.5	0.47	-0.32	-4.64	
6,150.0	4.24	239.88	6,133.5	54.5	-285.5	-26.4	0.08	0.08	-0.08	
6,175.0	4.29	238.60	6,158.4	53.6	-287.1	-25.3	0.43	0.20	-5.12	
6,200.0	4.34	235.83	6,183.3	52.6	-288.7	-24.2	0.86	0.20	-11.08	
6,225.0	4.30	232.94	6,208.3	51.5	-290.3	-22.9	0.89	-0.16	-11.56	
6,250.0	4.34	229.59	6,233.2	50.3	-291.7	-21.6	1.02	0.16	-13.40	
6,275.0	4.32	226.03	6,258.1	49.0	-293.1	-20.2	1.08	-0.08	-14.24	
6,300.0	4.31	223.75	6,283.1	47.7	-294.4	-18.7	0.69	-0.04	-9.12	
6,325.0	4.37	222.75	6,308.0	46.3	-295.7	-17.2	0.39	0.24	-4.00	
6,350.0	4.25	220.82	6,332.9	44.9	-297.0	-15.7	0.75	-0.48	-7.72	
6,375.0	4.22	219.87	6,357.9	43.5	-298.2	-14.2	0.31	-0.12	-3.80	
6,400.0	4.19	219.08	6,382.8	42.1	-299.4	-12.7	0.26	-0.12	-3.16	
6,425.0	4.04	217.91	6,407.7	40.7	-300.5	-11.2	0.69	-0.60	-4.68	
6,450.0	3.97	215.82	6,432.7	39.3	-301.5	-9.7	0.65	-0.28	-8.36	
6,475.0	3.94	214.79	6,457.6	37.9	-302.5	-8.2	0.31	-0.12	-4.12	
6,500.0	3.83	213.24	6,482.5	36.5	-303.5	-6.7	0.61	-0.44	-6.20	
6,525.0	3.68	211.13	6,507.5	35.1	-304.3	-5.2	0.82	-0.60	-8.44	
6,550.0	3.45	209.40	6,532.4	33.7	-305.1	-3.8	1.02	-0.92	-6.92	

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	3.57	210.08	6,557.4	32.4	-305.9	-2.4	0.51	0.48	2.72	
6,600.0	3.44	210.02	6,582.3	31.1	-306.6	-1.0	0.52	-0.52	-0.24	
6,625.0	3.06	216.11	6,607.3	29.9	-307.4	0.2	2.05	-1.52	24.36	
6,650.0	3.05	216.85	6,632.3	28.8	-308.2	1.4	0.16	-0.04	2.96	
6,675.0	3.03	217.27	6,657.2	27.8	-309.0	2.5	0.12	-0.08	1.68	
6,700.0	2.99	216.73	6,682.2	26.7	-309.8	3.6	0.20	-0.16	-2.16	
6,725.0	2.98	217.04	6,707.2	25.7	-310.6	4.7	0.08	-0.04	1.24	
6,750.0	3.00	225.42	6,732.1	24.7	-311.4	5.8	1.75	0.08	33.52	
6,775.0	3.10	243.26	6,757.1	23.9	-312.5	6.6	3.80	0.40	71.36	
6,800.0	3.24	250.18	6,782.1	23.4	-313.8	7.3	1.63	0.56	27.68	
6,825.0	3.30	252.98	6,807.0	22.9	-315.1	7.9	0.68	0.24	11.20	
6,850.0	3.45	255.17	6,832.0	22.5	-316.5	8.4	0.79	0.60	8.76	
6,875.0	4.18	269.19	6,856.9	22.3	-318.2	8.8	4.72	2.92	56.08	
6,900.0	4.52	273.14	6,881.9	22.4	-320.1	8.9	1.81	1.36	15.80	
6,925.0	4.53	273.34	6,906.8	22.5	-322.0	9.0	0.07	0.04	0.80	
6,950.0	4.55	273.11	6,931.7	22.6	-324.0	9.1	0.11	0.08	-0.92	
6,975.0	4.56	273.34	6,956.6	22.7	-326.0	9.2	0.08	0.04	0.92	
7,000.0	4.63	272.74	6,981.5	22.8	-328.0	9.3	0.34	0.28	-2.40	
7,025.0	4.67	273.99	7,006.5	22.9	-330.0	9.3	0.44	0.16	5.00	
7,050.0	4.99	279.91	7,031.4	23.2	-332.1	9.3	2.37	1.28	23.68	
7,075.0	5.27	283.35	7,056.3	23.6	-334.3	9.1	1.66	1.12	13.76	
7,100.0	5.31	284.28	7,081.2	24.2	-336.5	8.7	0.38	0.16	3.72	
7,125.0	5.39	285.43	7,106.0	24.8	-338.8	8.3	0.54	0.32	4.60	
7,150.0	5.67	291.30	7,130.9	25.6	-341.1	7.8	2.52	1.12	23.48	
7,175.0	5.91	293.72	7,155.8	26.5	-343.4	7.1	1.37	0.96	9.68	
7,200.0	5.99	294.12	7,180.7	27.6	-345.8	6.3	0.36	0.32	1.60	
7,225.0	6.02	294.82	7,205.5	28.7	-348.1	5.4	0.32	0.12	2.80	
7,250.0	5.95	294.86	7,230.4	29.8	-350.5	4.6	0.28	-0.28	0.16	
7,275.0	5.73	295.79	7,255.3	30.8	-352.8	3.7	0.96	-0.88	3.72	
7,300.0	5.70	297.68	7,280.1	32.0	-355.0	2.8	0.76	-0.12	7.56	
7,325.0	5.55	302.52	7,305.0	33.2	-357.2	1.8	1.99	-0.60	19.36	
7,350.0	5.44	305.40	7,329.9	34.5	-359.1	0.7	1.19	-0.44	11.52	
7,375.0	5.52	305.39	7,354.8	35.9	-361.1	-0.5	0.32	0.32	-0.04	
7,400.0	5.45	305.00	7,379.7	37.3	-363.0	-1.7	0.32	-0.28	-1.56	
7,425.0	5.24	302.36	7,404.6	38.6	-365.0	-2.8	1.29	-0.84	-10.56	
7,450.0	5.08	300.32	7,429.5	39.7	-366.9	-3.8	0.97	-0.64	-8.16	
7,475.0	5.11	300.30	7,454.4	40.9	-368.8	-4.7	0.12	0.12	-0.08	
7,500.0	5.45	303.45	7,479.3	42.1	-370.8	-5.7	1.79	1.36	12.60	
7,525.0	6.15	309.88	7,504.1	43.6	-372.8	-7.0	3.82	2.80	25.72	
7,550.0	6.48	311.73	7,529.0	45.4	-374.9	-8.6	1.55	1.32	7.40	
7,575.0	6.65	313.32	7,553.8	47.3	-377.0	-10.3	1.00	0.68	6.36	
7,600.0	6.75	313.88	7,578.7	49.3	-379.1	-12.1	0.48	0.40	2.24	

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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	6.88	314.36	7,603.5	51.4	-381.2	-14.0	0.57	0.52	1.92
7,650.0	6.81	313.99	7,628.3	53.5	-383.3	-15.9	0.33	-0.28	-1.48
7,675.0	6.51	313.36	7,653.1	55.5	-385.4	-17.6	1.24	-1.20	-2.52
7,700.0	6.49	314.14	7,678.0	57.4	-387.5	-19.4	0.36	-0.08	3.12
7,725.0	6.51	313.78	7,702.8	59.4	-389.5	-21.1	0.18	0.08	-1.44
7,750.0	6.42	313.63	7,727.6	61.3	-391.6	-22.9	0.37	-0.36	-0.60
7,775.0	6.42	314.70	7,752.5	63.3	-393.6	-24.6	0.48	0.00	4.28
7,800.0	6.30	315.06	7,777.3	65.2	-395.5	-26.4	0.51	-0.48	1.44
7,825.0	6.14	314.44	7,802.2	67.2	-397.5	-28.1	0.69	-0.64	-2.48
7,850.0	5.97	314.97	7,827.0	69.0	-399.3	-29.8	0.72	-0.68	2.12
7,875.0	5.75	315.46	7,851.9	70.8	-401.1	-31.4	0.90	-0.88	1.96
7,900.0	5.59	315.24	7,876.8	72.6	-402.9	-33.0	0.65	-0.64	-0.88
7,925.0	5.53	314.56	7,901.7	74.3	-404.6	-34.5	0.36	-0.24	-2.72
7,950.0	5.53	315.65	7,926.6	76.0	-406.3	-36.0	0.42	0.00	4.36
7,975.0	5.56	316.37	7,951.4	77.7	-408.0	-37.6	0.30	0.12	2.88
8,000.0	5.67	316.35	7,976.3	79.5	-409.6	-39.2	0.44	0.44	-0.08
8,025.0	5.66	316.93	8,001.2	81.3	-411.3	-40.8	0.23	-0.04	2.32
8,050.0	5.63	317.55	8,026.1	83.1	-413.0	-42.4	0.27	-0.12	2.48
8,075.0	5.48	316.56	8,051.0	84.9	-414.7	-44.0	0.71	-0.60	-3.96
8,100.0	5.47	317.72	8,075.9	86.6	-416.3	-45.6	0.44	-0.04	4.64
8,125.0	5.12	317.82	8,100.7	88.3	-417.8	-47.2	1.40	-1.40	0.40
8,150.0	4.61	317.66	8,125.7	89.9	-419.3	-48.6	2.04	-2.04	-0.64
8,175.0	4.10	316.77	8,150.6	91.3	-420.5	-49.9	2.06	-2.04	-3.56
8,200.0	3.79	314.33	8,175.5	92.5	-421.7	-51.0	1.41	-1.24	-9.76
8,225.0	3.65	312.51	8,200.5	93.6	-422.9	-52.0	0.73	-0.56	-7.28
8,250.0	3.45	311.62	8,225.4	94.7	-424.1	-52.9	0.83	-0.80	-3.56
8,275.0	3.51	309.63	8,250.4	95.7	-425.2	-53.8	0.54	0.24	-7.96
8,300.0	3.53	309.71	8,275.3	96.6	-426.4	-54.6	0.08	0.08	0.32
8,325.0	3.45	310.80	8,300.3	97.6	-427.6	-55.5	0.42	-0.32	4.36
8,350.0	3.39	310.00	8,325.2	98.6	-428.7	-56.3	0.31	-0.24	-3.20
8,375.0	3.22	311.75	8,350.2	99.5	-429.8	-57.2	0.79	-0.68	7.00
8,380.0	3.14	312.32	8,355.2	99.7	-430.0	-57.3	1.72	-1.60	11.40
8,504.0	2.32	318.25	8,479.0	103.9	-434.2	-61.1	0.70	-0.66	4.78
8,550.0	2.54	308.64	8,525.0	105.2	-435.6	-62.2	1.00	0.48	-20.89
8,581.0	5.12	269.40	8,555.9	105.6	-437.5	-62.5	11.41	8.32	-126.58
8,613.0	9.12	255.24	8,587.7	105.0	-441.4	-61.4	13.56	12.50	-44.25
8,644.0	12.63	252.00	8,618.1	103.3	-447.0	-59.2	11.49	11.32	-10.45
8,675.0	15.55	244.10	8,648.2	100.4	-454.0	-55.7	11.26	9.42	-25.48
8,706.0	18.14	234.14	8,677.9	95.8	-461.6	-50.3	12.48	8.35	-32.13
8,738.0	20.49	223.89	8,708.1	88.8	-469.5	-42.6	12.87	7.34	-32.03
8,785.0	23.94	215.71	8,751.6	75.1	-480.8	-27.9	9.84	7.34	-17.40
8,832.0	27.62	210.88	8,793.9	58.0	-492.0	-9.8	9.01	7.83	-10.28

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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)
8,879.0	31.78	209.79	8,834.7	37.9	-503.7	11.3	8.93	8.85	-2.32
8,926.0	35.82	209.80	8,873.8	15.3	-516.7	35.2	8.60	8.60	0.02
8,973.0	41.14	208.95	8,910.6	-10.2	-531.0	61.9	11.37	11.32	-1.81
9,019.0	44.85	207.22	8,944.2	-37.9	-545.8	90.9	8.46	8.07	-3.76
9,066.0	48.63	205.97	8,976.4	-68.5	-561.1	122.9	8.27	8.04	-2.66
9,095.6	51.58	207.25	8,995.4	-88.8	-571.3	144.1	10.50	9.97	4.32
FTP @ 9095.6'MD / 8995.4'TVD									
9,113.0	53.32	207.95	9,006.0	-101.0	-577.7	156.9	10.50	10.00	4.04
9,160.0	58.45	209.60	9,032.3	-135.1	-596.4	192.6	11.29	10.91	3.51
9,207.0	61.97	209.56	9,055.7	-170.6	-616.5	229.9	7.49	7.49	-0.09
9,254.0	67.11	209.66	9,075.9	-207.5	-637.5	268.6	10.94	10.94	0.21
9,301.0	71.12	210.26	9,092.6	-245.5	-659.4	308.6	8.61	8.53	1.28
9,348.0	75.31	210.66	9,106.2	-284.3	-682.2	349.4	8.95	8.91	0.85
9,395.0	80.30	210.47	9,116.1	-323.8	-705.6	391.1	10.62	10.62	-0.40
9,426.0	83.45	209.78	9,120.5	-350.4	-721.0	419.0	10.40	10.16	-2.23
9,457.0	84.26	209.58	9,123.8	-377.1	-736.2	447.1	2.69	2.61	-0.65
9,520.0	86.72	208.07	9,128.8	-432.2	-766.5	504.8	4.58	3.90	-2.40
9,614.0	88.96	204.05	9,132.3	-516.5	-807.8	592.8	4.89	2.38	-4.28
9,708.0	90.18	200.70	9,133.0	-603.4	-843.5	682.8	3.79	1.30	-3.56
9,801.0	91.01	197.47	9,132.1	-691.3	-874.0	773.2	3.59	0.89	-3.47
9,895.0	90.74	193.33	9,130.6	-781.9	-898.9	865.8	4.41	-0.29	-4.40
9,989.0	89.63	190.69	9,130.3	-873.8	-918.5	959.2	3.05	-1.18	-2.81
10,082.0	88.95	186.68	9,131.5	-965.7	-932.5	1,052.0	4.37	-0.73	-4.31
10,176.0	88.90	182.17	9,133.2	-1,059.4	-939.8	1,146.0	4.80	-0.05	-4.80
10,270.0	88.58	181.90	9,135.3	-1,153.3	-943.1	1,239.8	0.45	-0.34	-0.29
10,364.0	90.47	181.14	9,136.1	-1,247.3	-945.6	1,333.5	2.17	2.01	-0.81
10,458.0	90.41	180.51	9,135.4	-1,341.3	-946.9	1,427.2	0.67	-0.06	-0.67
10,552.0	89.45	180.30	9,135.5	-1,435.3	-947.6	1,520.8	1.05	-1.02	-0.22
10,646.0	88.71	180.15	9,137.0	-1,529.3	-948.0	1,614.4	0.80	-0.79	-0.16
10,740.0	89.46	180.50	9,138.5	-1,623.2	-948.5	1,708.0	0.88	0.80	0.37
10,834.0	88.00	179.71	9,140.6	-1,717.2	-948.7	1,801.5	1.77	-1.55	-0.84
10,927.0	90.86	180.02	9,141.5	-1,810.2	-948.5	1,894.0	3.09	3.08	0.33
11,021.0	90.22	179.38	9,140.6	-1,904.2	-948.0	1,987.5	0.96	-0.68	-0.68
11,115.0	91.51	180.79	9,139.2	-1,998.2	-948.1	2,081.1	2.03	1.37	1.50
11,209.0	89.24	180.57	9,138.6	-2,092.2	-949.2	2,174.7	2.43	-2.41	-0.23
11,303.0	88.12	179.40	9,140.7	-2,186.1	-949.2	2,268.3	1.72	-1.19	-1.24
11,396.0	88.60	178.51	9,143.4	-2,279.1	-947.5	2,360.6	1.09	0.52	-0.96
11,490.0	89.21	179.50	9,145.2	-2,373.0	-945.9	2,453.9	1.24	0.65	1.05
11,584.0	91.52	180.53	9,144.6	-2,467.0	-945.9	2,547.5	2.69	2.46	1.10
11,678.0	89.01	180.02	9,144.2	-2,561.0	-946.3	2,641.1	2.72	-2.67	-0.54
11,771.0	88.47	179.42	9,146.2	-2,654.0	-945.9	2,733.6	0.87	-0.58	-0.65
11,865.0	90.31	182.15	9,147.2	-2,748.0	-947.2	2,827.2	3.50	1.96	2.90

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 STATE COM #603H
Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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)
11,959.0	86.37	180.36	9,149.9	-2,841.9	-949.2	2,920.9	4.60	-4.19	-1.90
12,052.0	93.75	181.77	9,149.8	-2,934.8	-951.0	3,013.5	8.08	7.94	1.52
12,146.0	91.06	182.06	9,145.9	-3,028.7	-954.1	3,107.2	2.88	-2.86	0.31
12,240.0	89.77	181.55	9,145.2	-3,122.6	-957.1	3,201.0	1.48	-1.37	-0.54
12,334.0	87.11	180.19	9,147.8	-3,216.6	-958.5	3,294.7	3.18	-2.83	-1.45
12,428.0	88.75	180.89	9,151.2	-3,310.5	-959.4	3,388.2	1.90	1.74	0.74
12,522.0	89.89	181.61	9,152.3	-3,404.5	-961.4	3,482.0	1.43	1.21	0.77
12,616.0	90.01	181.78	9,152.4	-3,498.4	-964.2	3,575.7	0.22	0.13	0.18
12,709.0	89.36	181.32	9,152.9	-3,591.4	-966.7	3,668.5	0.86	-0.70	-0.49
12,803.0	87.05	180.11	9,155.8	-3,685.3	-967.9	3,762.1	2.77	-2.46	-1.29
12,897.0	85.99	179.49	9,161.5	-3,779.1	-967.6	3,855.5	1.31	-1.13	-0.66
12,991.0	87.43	178.38	9,166.9	-3,873.0	-965.8	3,948.7	1.93	1.53	-1.18
13,085.0	89.85	177.26	9,169.2	-3,966.9	-962.2	4,041.8	2.84	2.57	-1.19
13,179.0	92.59	176.96	9,167.2	-4,060.7	-957.5	4,134.7	2.93	2.91	-0.32
13,273.0	93.45	176.90	9,162.2	-4,154.4	-952.5	4,227.5	0.92	0.91	-0.06
13,366.0	91.93	176.90	9,157.8	-4,247.2	-947.5	4,319.3	1.63	-1.63	0.00
13,461.0	89.48	176.08	9,156.7	-4,342.0	-941.6	4,413.1	2.72	-2.58	-0.86
13,554.0	90.67	176.33	9,156.5	-4,434.8	-935.5	4,504.9	1.31	1.28	0.27
13,648.0	90.66	177.31	9,155.5	-4,528.7	-930.3	4,597.8	1.04	-0.01	1.04
13,742.0	93.72	178.62	9,151.9	-4,622.5	-926.9	4,690.9	3.54	3.26	1.39
13,836.0	92.17	180.59	9,147.0	-4,716.4	-926.3	4,784.2	2.66	-1.65	2.10
13,930.0	90.23	180.60	9,145.1	-4,810.3	-927.3	4,877.8	2.06	-2.06	0.01
14,024.0	92.85	181.81	9,142.5	-4,904.3	-929.2	4,971.5	3.07	2.79	1.29
14,118.0	85.35	183.11	9,144.0	-4,998.1	-933.3	5,065.3	8.10	-7.98	1.38
14,212.0	85.41	183.22	9,151.6	-5,091.7	-938.4	5,158.9	0.13	0.06	0.12
14,305.0	86.49	181.42	9,158.2	-5,184.4	-942.2	5,251.5	2.25	1.16	-1.94
14,399.0	88.20	180.53	9,162.5	-5,278.2	-943.8	5,345.1	2.05	1.82	-0.95
14,493.0	90.01	181.41	9,164.0	-5,372.2	-945.4	5,438.8	2.14	1.93	0.94
14,587.0	90.31	179.53	9,163.7	-5,466.2	-946.2	5,532.4	2.03	0.32	-2.00
14,681.0	90.18	177.80	9,163.3	-5,560.2	-944.0	5,625.7	1.85	-0.14	-1.84
14,775.0	91.92	179.82	9,161.6	-5,654.1	-942.0	5,719.0	2.84	1.85	2.15
14,869.0	91.73	178.87	9,158.6	-5,748.1	-940.9	5,812.4	1.03	-0.20	-1.01
14,962.0	92.93	181.96	9,154.8	-5,841.0	-941.6	5,904.9	3.56	1.29	3.32
15,056.0	90.93	182.74	9,151.6	-5,934.8	-945.5	5,998.7	2.28	-2.13	0.83
15,150.0	90.55	182.78	9,150.4	-6,028.7	-950.0	6,092.6	0.41	-0.40	0.04
15,244.0	89.26	180.41	9,150.6	-6,122.7	-952.6	6,186.4	2.87	-1.37	-2.52
15,338.0	89.06	179.95	9,152.0	-6,216.7	-952.9	6,279.9	0.53	-0.21	-0.49
15,432.0	89.48	180.32	9,153.2	-6,310.7	-953.1	6,373.5	0.60	0.45	0.39
15,525.0	90.15	181.47	9,153.5	-6,403.6	-954.6	6,466.2	1.43	0.72	1.24
15,619.0	90.99	184.26	9,152.5	-6,497.5	-959.3	6,560.1	3.10	0.89	2.97
15,713.0	88.62	182.47	9,152.9	-6,591.3	-964.8	6,654.0	3.16	-2.52	-1.90
15,807.0	87.58	182.39	9,156.0	-6,685.2	-968.8	6,747.8	1.11	-1.11	-0.09

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Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	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)
15,901.0	86.88	182.11	9,160.5	-6,779.0	-972.5	6,841.5	0.80	-0.74	-0.30
15,995.0	87.06	182.68	9,165.5	-6,872.8	-976.4	6,935.3	0.64	0.19	0.61
16,089.0	87.27	182.76	9,170.1	-6,966.6	-980.8	7,029.0	0.24	0.22	0.09
16,183.0	89.31	180.63	9,172.9	-7,060.5	-983.6	7,122.7	3.14	2.17	-2.27
16,276.0	89.44	180.28	9,173.9	-7,153.5	-984.4	7,215.4	0.40	0.14	-0.38
16,370.0	89.15	179.61	9,175.1	-7,247.5	-984.3	7,308.9	0.78	-0.31	-0.71
16,464.0	89.11	179.77	9,176.5	-7,341.5	-983.8	7,402.4	0.18	-0.04	0.17
16,558.0	89.48	178.22	9,177.7	-7,435.4	-982.1	7,495.8	1.70	0.39	-1.65
16,652.0	91.10	177.04	9,177.2	-7,529.3	-978.2	7,588.8	2.13	1.72	-1.26
16,746.0	91.00	177.05	9,175.5	-7,623.2	-973.4	7,681.8	0.11	-0.11	0.01
16,840.0	90.87	176.44	9,174.0	-7,717.0	-968.0	7,774.7	0.66	-0.14	-0.65
16,934.0	91.42	175.98	9,172.1	-7,810.8	-961.8	7,867.4	0.76	0.59	-0.49
17,027.0	92.31	175.75	9,169.1	-7,903.5	-955.1	7,959.0	0.99	0.96	-0.25
17,121.0	91.47	178.46	9,166.0	-7,997.3	-950.4	8,051.9	3.02	-0.89	2.88
17,215.0	90.79	179.64	9,164.1	-8,091.3	-948.8	8,145.3	1.45	-0.72	1.26
17,309.0	90.70	180.09	9,162.9	-8,185.3	-948.6	8,238.8	0.49	-0.10	0.48
17,403.0	90.31	179.57	9,162.0	-8,279.3	-948.3	8,332.3	0.69	-0.41	-0.55
17,497.0	90.89	179.22	9,161.1	-8,373.3	-947.3	8,425.8	0.72	0.62	-0.37
17,590.0	90.45	178.24	9,160.0	-8,466.3	-945.3	8,518.1	1.16	-0.47	-1.05
17,684.0	90.34	180.62	9,159.3	-8,560.2	-944.3	8,611.5	2.53	-0.12	2.53
17,778.0	90.91	181.23	9,158.3	-8,654.2	-945.9	8,705.2	0.89	0.61	0.65
17,872.0	88.86	183.38	9,158.5	-8,748.1	-949.6	8,799.0	3.16	-2.18	2.29
17,965.0	89.39	183.83	9,159.9	-8,840.9	-955.5	8,892.0	0.75	0.57	0.48
18,059.0	89.49	183.19	9,160.8	-8,934.8	-961.2	8,985.9	0.69	0.11	-0.68
18,153.0	89.66	182.75	9,161.5	-9,028.6	-966.1	9,079.8	0.50	0.18	-0.47
18,247.0	89.38	182.40	9,162.3	-9,122.5	-970.3	9,173.7	0.48	-0.30	-0.37
18,341.0	90.39	182.56	9,162.5	-9,216.4	-974.4	9,267.5	1.09	1.07	0.17
18,435.0	90.64	182.36	9,161.7	-9,310.4	-978.4	9,361.4	0.34	0.27	-0.21
18,529.0	87.45	181.99	9,163.2	-9,404.3	-982.0	9,455.2	3.42	-3.39	-0.39
18,623.0	87.07	182.83	9,167.7	-9,498.1	-985.9	9,548.9	0.98	-0.40	0.89
18,716.0	86.33	183.18	9,173.1	-9,590.8	-990.8	9,641.7	0.88	-0.80	0.38
18,810.0	88.06	182.30	9,177.7	-9,684.6	-995.3	9,735.5	2.06	1.84	-0.94
18,904.0	88.01	181.88	9,180.9	-9,778.4	-998.7	9,829.2	0.45	-0.05	-0.45
18,998.0	89.72	180.82	9,182.8	-9,872.4	-1,000.9	9,923.0	2.14	1.82	-1.13
19,089.6	89.34	180.71	9,183.5	-9,964.0	-1,002.2	10,014.2	0.44	-0.42	-0.12
LTP @ 19089.6'MD / 8995.4'TVD									
19,091.0	89.33	180.71	9,183.5	-9,965.4	-1,002.2	10,015.6	0.44	-0.42	-0.12
19,152.0	88.87	180.76	9,184.5	-10,026.4	-1,003.0	10,076.4	0.76	-0.75	0.08
FINAL MWD SVY @ 19152'MD									
19,218.0	88.87	180.76	9,185.8	-10,092.4	-1,003.8	10,142.1	0.00	0.00	0.00
PTD @ 19218'MD									

Survey Report

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Project:	EDDY COUNTY, NM	TVD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Site:	ATLAS	MD Reference:	RKB = 3014' + 27' @ 3041.0usft (SCAN FREEDOM)
Well:	MYOX 31 STATE COM #603H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWP	Database:	EDM_Users

Design Targets

Target Name

- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
FTP (MYOX 31 STATI	0.00	0.00	9,128.0	-81.7	-928.5	397,370.60	564,710.70	32° 5' 32.335 N	104° 7' 27.754 W
- actual wellpath misses target center by 316.9usft at 9306.6usft MD (9094.4 TVD, -250.1 N, -662.1 E)									
- Circle (radius 50.0)									
3000VS (MYOX 31 S	-0.18	3.30	9,150.0	-2,921.6	-946.8	394,530.70	564,692.37	32° 5' 4.231 N	104° 7' 28.031 W
- actual wellpath misses target center by 3.8usft at 12038.7usft MD (9150.6 TVD, -2921.5 N, -950.6 E)									
- Rectangle (sides W100.0 H1,130.0 D20.0)									
LTP (MYOX 31 STATI	0.00	0.00	9,174.5	-9,964.0	-988.4	387,488.30	564,650.80	32° 3' 54.536 N	104° 7' 28.673 W
- actual wellpath misses target center by 16.4usft at 19089.4usft MD (9183.5 TVD, -9963.7 N, -1002.2 E)									
- Point									
PBHL (MYOX 31 STA	-0.20	0.33	9,175.0	-10,093.9	-988.7	387,358.40	564,650.50	32° 3' 53.250 N	104° 7' 28.679 W
- actual wellpath misses target center by 18.7usft at 19218.0usft MD (9185.8 TVD, -10092.4 N, -1003.8 E)									
- Rectangle (sides W100.0 H7,142.0 D20.0)									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates	
		+N/-S (usft)	+E/-W (usft)
			Comment
9,095.6	8,995.4	-88.8	-571.3 FTP @ 9095.6MD / 8995.4'TVD
19,089.6	9,183.5	-9,964.0	-1,002.2 LTP @ 19089.6MD / 8995.4'TVD
19,152.0	9,184.5	-10,026.4	-1,003.0 FINAL MWD SVY @ 19152'MD
19,218.0	9,185.8	-10,092.4	-1,003.8 PTD @ 19218'MD

Checked By: _____ Approved By: _____ Date: _____