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JAN 09 2020

OIL CONSERVATION DIVISION

220 South St. Francis Dr.

Santa Fe, NM 87505

EMNRD-OCD ARTESIA

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-015-46500
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator COG Operating LLC		6. State Oil & Gas Lease No.
3. Address of Operator 600 W. Illinois Ave., Midland, TX 79701		7. Lease Name or Unit Agreement Name Myox 31 State Com
4. Well Location Unit Letter <u>P</u> : <u>290</u> feet from the <u>South</u> line and <u>1305</u> feet from the <u>East</u> line Section <u>31</u> Township <u>25S</u> Range <u>28E</u> NMPM County <u>Eddy</u>		8. Well Number <u>501H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3038' GR		9. OGRID Number 229137
		10. Pool name or Wildcat Delaware River; Bone Spring 16800

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

- REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC respectfully requests to change the BHL of this well

FROM: 50' FNL 660' FEL, Sec 30, T25S, R28E, Unit A

TO: 50' FNL 576' FEL, Sec 30, T25S, R28E, Unit A

Attached are the revised C102 and directional plan.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE [Signature] TITLE Sr Regulatory Analyst DATE 01/07/2020

Type or print name Robyn M. Russell E-mail address: Russell@concho.com PHONE: (432) 685-4385

For State Use Only

APPROVED BY: [Signature] TITLE Geologist DATE 1-29-2020

Conditions of Approval (if any):

1/28/20 KS

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
Santa Fe, NM 87505

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Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

EMNRD-OCD ARTESIA

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46500		² Pool Code 16800		³ Pool Name Delaware River; Bone Spring	
⁴ Property Code 308744		⁵ Property Name MYOX 31 STATE COM			⁶ Well Number 501H
⁷ GRID NO. 229137		⁸ Operator Name COG OPERATING, LLC			⁹ Elevation 3038'

¹⁰ Surface Location

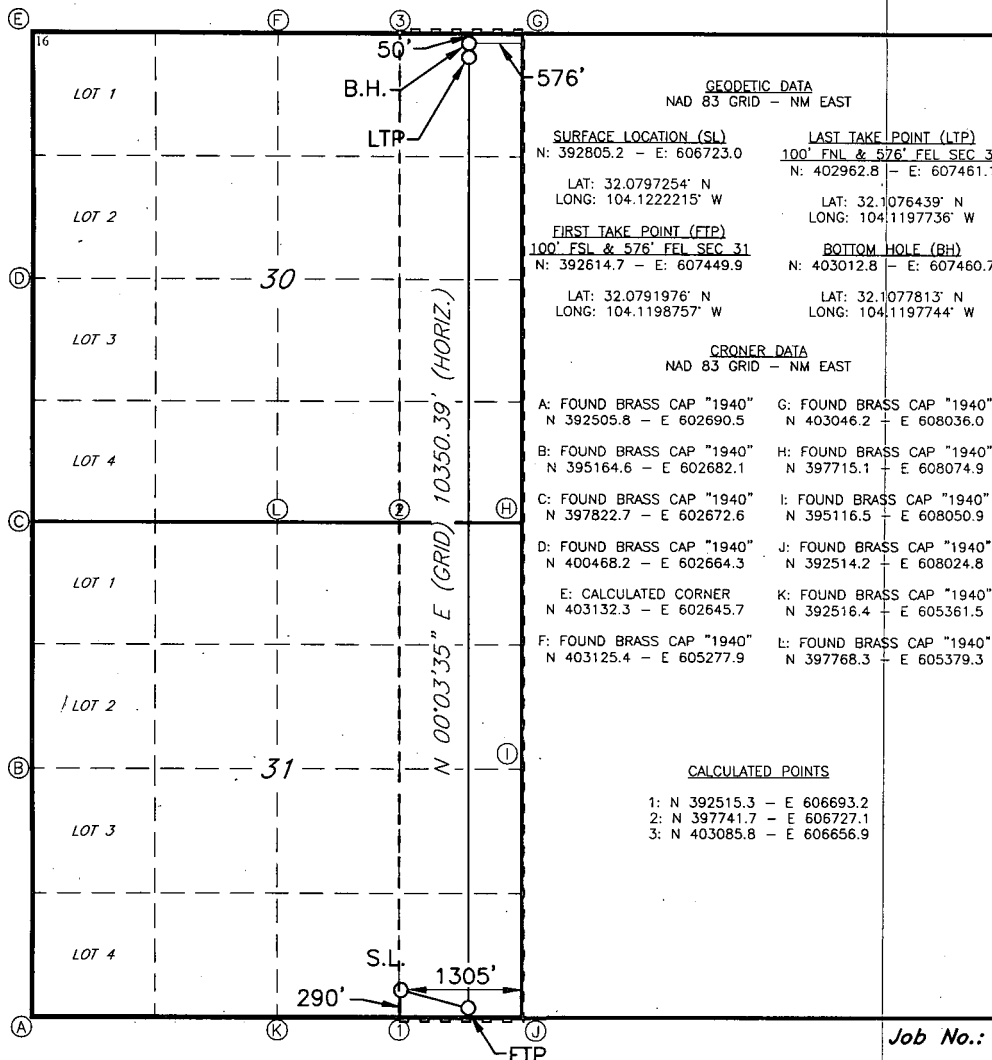
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
P	31	25S	28E		290	SOUTH	1305	EAST	EDDY

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
A	30	25S	28E		50	NORTH	576	EAST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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.



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.

Signature: *Robyn M. Russell* Date: 01/07/2020
Printed Name: Robyn M. Russell
E-mail Address: Rrussell@concho.com

¹⁸ SURVEYOR CERTIFICATION

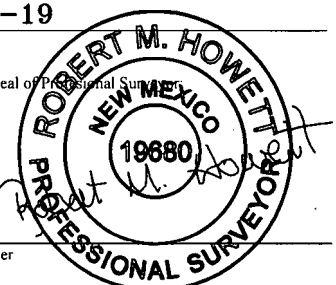
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

11-13-19
Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number



Job No.: LS19111068

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EMNRD-OCD ARTESIA

NORTHERN DELAWARE BASIN

EDDY COUNTY, NM

MYOX 31 ST COM

MYOX 31 ST COM #501H

OWB

Plan: PWP2

Standard Survey Report

06 January, 2020

Concho Resources LLC

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 ST COM #501H
Project:	EDDY COUNTY, NM	TVD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Site:	MYOX 31 ST COM	MD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Well:	MYOX 31 ST COM #501H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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:	MYOX 31 ST COM		
Site Position:		Northing:	392,720.68 usft
From:	Map	Easting:	562,896.44 usft
Position Uncertainty:	3.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 46.351 N
		Longitude:	104° 7' 48.946 W
		Grid Convergence:	0.11 °

Well:	MYOX 31 ST COM #501H					
Well Position	+N/-S	0.0 usft	Northing:	392,747.80 usft	Latitude:	32° 4' 46.570 N
	+E/-W	0.0 usft	Easting:	565,538.80 usft	Longitude:	104° 7' 18.233 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	3,038.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	1/6/2020	6.92	59.81	47,534.99578161

Design			PWP2			
Audit Notes:						
Version:		Phase:		PLAN		
				Tie On Depth:		
				0.0		
Vertical Section:		Depth From (TVD)		+N/-S		
		(usft)		(usft)		
		0.0		0.0		
				+E/-W		
				(usft)		
				Direction:		
				(°)		
				0.0		
				4.13		

Survey Tool Program:	Date:	1/6/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	7,357.0	PWP2 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
7,357.0	18,222.4	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction

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

Concho Resources LLC

Survey Report

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Site:	MYOX 31 ST COM	MD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Well:	MYOX 31 ST COM #501H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,600.0	2.00	126.00	2,600.0	-1.0	1.4	-0.9	2.00	2.00	0.00
2,700.0	4.00	126.00	2,699.8	-4.1	5.6	-3.7	2.00	2.00	0.00
2,750.0	5.00	126.00	2,749.7	-6.4	8.8	-5.8	2.00	2.00	0.00
Start 4614.6 hold at 2750.0 MD									
2,800.0	5.00	126.00	2,799.5	-9.0	12.3	-8.1	0.00	0.00	0.00
2,900.0	5.00	126.00	2,899.1	-14.1	19.4	-12.7	0.00	0.00	0.00
3,000.0	5.00	126.00	2,998.7	-19.2	26.4	-17.3	0.00	0.00	0.00
3,100.0	5.00	126.00	3,098.4	-24.3	33.5	-21.9	0.00	0.00	0.00
3,200.0	5.00	126.00	3,198.0	-29.5	40.5	-26.5	0.00	0.00	0.00
3,300.0	5.00	126.00	3,297.6	-34.6	47.6	-31.1	0.00	0.00	0.00
3,400.0	5.00	126.00	3,397.2	-39.7	54.7	-35.7	0.00	0.00	0.00
3,500.0	5.00	126.00	3,496.8	-44.8	61.7	-40.3	0.00	0.00	0.00
3,600.0	5.00	126.00	3,596.4	-50.0	68.8	-44.9	0.00	0.00	0.00
3,700.0	5.00	126.00	3,696.1	-55.1	75.8	-49.5	0.00	0.00	0.00
3,800.0	5.00	126.00	3,795.7	-60.2	82.9	-54.1	0.00	0.00	0.00
3,900.0	5.00	126.00	3,895.3	-65.3	89.9	-58.7	0.00	0.00	0.00
4,000.0	5.00	126.00	3,994.9	-70.4	97.0	-63.3	0.00	0.00	0.00
4,100.0	5.00	126.00	4,094.5	-75.6	104.0	-67.9	0.00	0.00	0.00
4,200.0	5.00	126.00	4,194.2	-80.7	111.1	-72.5	0.00	0.00	0.00
4,300.0	5.00	126.00	4,293.8	-85.8	118.1	-77.1	0.00	0.00	0.00
4,400.0	5.00	126.00	4,393.4	-90.9	125.2	-81.7	0.00	0.00	0.00
4,500.0	5.00	126.00	4,493.0	-96.1	132.2	-86.3	0.00	0.00	0.00
4,600.0	5.00	126.00	4,592.6	-101.2	139.3	-90.9	0.00	0.00	0.00
4,700.0	5.00	126.00	4,692.3	-106.3	146.3	-95.5	0.00	0.00	0.00
4,800.0	5.00	126.00	4,791.9	-111.4	153.4	-100.1	0.00	0.00	0.00
4,900.0	5.00	126.00	4,891.5	-116.5	160.4	-104.7	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 ST COM #501H
Project:	EDDY COUNTY NM	TVD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Site:	MYOX 31 ST COM	MD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Well:	MYOX 31 ST COM #501H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,000.0	5.00	126.00	4,991.1	-121.7	167.5	-109.3	0.00	0.00	0.00
5,100.0	5.00	126.00	5,090.7	-126.8	174.5	-113.9	0.00	0.00	0.00
5,200.0	5.00	126.00	5,190.4	-131.9	181.6	-118.5	0.00	0.00	0.00
5,300.0	5.00	126.00	5,290.0	-137.0	188.6	-123.1	0.00	0.00	0.00
5,400.0	5.00	126.00	5,389.6	-142.2	195.7	-127.7	0.00	0.00	0.00
5,500.0	5.00	126.00	5,489.2	-147.3	202.7	-132.3	0.00	0.00	0.00
5,600.0	5.00	126.00	5,588.8	-152.4	209.8	-136.9	0.00	0.00	0.00
5,700.0	5.00	126.00	5,688.5	-157.5	216.8	-141.5	0.00	0.00	0.00
5,800.0	5.00	126.00	5,788.1	-162.7	223.9	-146.1	0.00	0.00	0.00
5,900.0	5.00	126.00	5,887.7	-167.8	230.9	-150.7	0.00	0.00	0.00
6,000.0	5.00	126.00	5,987.3	-172.9	238.0	-155.3	0.00	0.00	0.00
6,100.0	5.00	126.00	6,086.9	-178.0	245.0	-159.9	0.00	0.00	0.00
6,200.0	5.00	126.00	6,186.6	-183.1	252.1	-164.5	0.00	0.00	0.00
6,300.0	5.00	126.00	6,286.2	-188.3	259.1	-169.1	0.00	0.00	0.00
6,400.0	5.00	126.00	6,385.8	-193.4	266.2	-173.7	0.00	0.00	0.00
6,500.0	5.00	126.00	6,485.4	-198.5	273.2	-178.3	0.00	0.00	0.00
6,600.0	5.00	126.00	6,585.0	-203.6	280.3	-182.9	0.00	0.00	0.00
6,700.0	5.00	126.00	6,684.7	-208.8	287.3	-187.5	0.00	0.00	0.00
6,800.0	5.00	126.00	6,784.3	-213.9	294.4	-192.1	0.00	0.00	0.00
6,900.0	5.00	126.00	6,883.9	-219.0	301.4	-196.7	0.00	0.00	0.00
7,000.0	5.00	126.00	6,983.5	-224.1	308.5	-201.3	0.00	0.00	0.00
7,100.0	5.00	126.00	7,083.1	-229.3	315.5	-205.9	0.00	0.00	0.00
7,200.0	5.00	126.00	7,182.7	-234.4	322.6	-210.5	0.00	0.00	0.00
7,300.0	5.00	126.00	7,282.4	-239.5	329.6	-215.1	0.00	0.00	0.00
7,364.6	5.00	126.00	7,346.7	-242.8	334.2	-218.1	0.00	0.00	0.00
Start DLS 10.00 TFO -106.70									
7,400.0	5.23	85.50	7,382.0	-243.6	337.1	-218.7	10.00	0.65	-114.32
7,500.0	13.00	40.51	7,480.8	-234.7	348.9	-208.9	10.00	7.77	-44.99
7,600.0	22.59	30.86	7,575.9	-209.6	366.1	-182.6	10.00	9.59	-9.66
7,700.0	32.42	26.82	7,664.5	-169.0	388.1	-140.6	10.00	9.83	-4.04
7,800.0	42.32	24.52	7,743.9	-114.3	414.3	-84.2	10.00	9.90	-2.30
7,900.0	52.26	22.96	7,811.6	-47.1	443.7	-15.0	10.00	9.93	-1.56
8,000.0	62.21	21.77	7,865.7	30.5	475.6	64.8	10.00	9.95	-1.19
8,100.0	72.17	20.78	7,904.4	116.3	509.0	152.7	10.00	9.96	-0.99
8,200.0	82.13	19.90	7,926.6	207.6	542.9	246.2	10.00	9.96	-0.88
8,277.8	89.88	19.25	7,932.0	280.7	568.8	321.0	10.00	9.96	-0.84
Start DLS 2.00 TFO -90.00									
8,300.0	89.88	18.81	7,932.1	301.7	576.1	342.4	2.00	0.00	-2.00
8,400.0	89.88	16.81	7,932.3	396.9	606.7	439.6	2.00	0.00	-2.00
8,500.0	89.88	14.81	7,932.5	493.1	633.9	537.5	2.00	0.00	-2.00
8,600.0	89.88	12.81	7,932.7	590.2	657.8	636.1	2.00	0.00	-2.00
8,700.0	89.88	10.81	7,932.9	688.1	678.2	735.2	2.00	0.00	-2.00
8,800.0	89.88	8.81	7,933.1	786.6	695.2	834.7	2.00	0.00	-2.00
8,900.0	89.88	6.81	7,933.3	885.7	708.8	934.5	2.00	0.00	-2.00

Concho Resources LLC

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 ST COM #501H
Project:	EDDY COUNTY NM	TVD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Site:	MYOX 31 ST COM	MD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)
9,000.0	89.88	4.81	7,933.5	985.2	718.9	1,034.5	2.00	0.00	-2.00
9,100.0	89.88	2.81	7,933.7	1,085.0	725.6	1,134.5	2.00	0.00	-2.00
9,200.0	89.88	0.81	7,933.9	1,184.9	728.7	1,234.4	2.00	0.00	-2.00
9,237.4	89.89	0.06	7,934.0	1,222.3	729.0	1,271.7	2.00	0.00	-2.00
Start 8985.0 hold at 9237.4 MD									
9,300.0	89.89	0.06	7,934.1	1,284.9	729.1	1,334.1	0.00	0.00	0.00
9,400.0	89.89	0.06	7,934.3	1,384.9	729.2	1,433.9	0.00	0.00	0.00
9,500.0	89.89	0.06	7,934.5	1,484.9	729.3	1,533.6	0.00	0.00	0.00
9,600.0	89.89	0.06	7,934.7	1,584.9	729.4	1,633.4	0.00	0.00	0.00
9,700.0	89.89	0.06	7,934.9	1,684.9	729.5	1,733.1	0.00	0.00	0.00
9,800.0	89.89	0.06	7,935.1	1,784.9	729.6	1,832.9	0.00	0.00	0.00
9,900.0	89.89	0.06	7,935.3	1,884.9	729.7	1,932.6	0.00	0.00	0.00
10,000.0	89.89	0.06	7,935.5	1,984.9	729.8	2,032.4	0.00	0.00	0.00
10,100.0	89.89	0.06	7,935.7	2,084.9	729.9	2,132.1	0.00	0.00	0.00
10,200.0	89.89	0.06	7,935.9	2,184.9	730.0	2,231.8	0.00	0.00	0.00
10,300.0	89.89	0.06	7,936.1	2,284.9	730.1	2,331.6	0.00	0.00	0.00
10,400.0	89.89	0.06	7,936.3	2,384.9	730.2	2,431.3	0.00	0.00	0.00
10,500.0	89.89	0.06	7,936.5	2,484.9	730.3	2,531.1	0.00	0.00	0.00
10,600.0	89.89	0.06	7,936.7	2,584.9	730.4	2,630.8	0.00	0.00	0.00
10,700.0	89.89	0.06	7,936.9	2,684.9	730.5	2,730.6	0.00	0.00	0.00
10,800.0	89.89	0.06	7,937.1	2,784.9	730.6	2,830.3	0.00	0.00	0.00
10,900.0	89.89	0.06	7,937.3	2,884.9	730.7	2,930.1	0.00	0.00	0.00
11,000.0	89.89	0.06	7,937.5	2,984.9	730.8	3,029.8	0.00	0.00	0.00
11,100.0	89.89	0.06	7,937.7	3,084.9	730.9	3,129.6	0.00	0.00	0.00
11,200.0	89.89	0.06	7,937.9	3,184.9	731.0	3,229.3	0.00	0.00	0.00
11,300.0	89.89	0.06	7,938.1	3,284.9	731.0	3,329.1	0.00	0.00	0.00
11,400.0	89.89	0.06	7,938.3	3,384.9	731.1	3,428.8	0.00	0.00	0.00
11,500.0	89.89	0.06	7,938.5	3,484.9	731.2	3,528.6	0.00	0.00	0.00
11,600.0	89.89	0.06	7,938.7	3,584.9	731.3	3,628.3	0.00	0.00	0.00
11,700.0	89.89	0.06	7,938.9	3,684.9	731.4	3,728.0	0.00	0.00	0.00
11,800.0	89.89	0.06	7,939.1	3,784.9	731.5	3,827.8	0.00	0.00	0.00
11,900.0	89.89	0.06	7,939.3	3,884.9	731.6	3,927.5	0.00	0.00	0.00
12,000.0	89.89	0.06	7,939.5	3,984.9	731.7	4,027.3	0.00	0.00	0.00
12,100.0	89.89	0.06	7,939.7	4,084.9	731.8	4,127.0	0.00	0.00	0.00
12,200.0	89.89	0.06	7,939.9	4,184.9	731.9	4,226.8	0.00	0.00	0.00
12,300.0	89.89	0.06	7,940.1	4,284.9	732.0	4,326.5	0.00	0.00	0.00
12,400.0	89.89	0.06	7,940.3	4,384.9	732.1	4,426.3	0.00	0.00	0.00
12,500.0	89.89	0.06	7,940.5	4,484.9	732.2	4,526.0	0.00	0.00	0.00
12,600.0	89.89	0.06	7,940.7	4,584.9	732.3	4,625.8	0.00	0.00	0.00
12,700.0	89.89	0.06	7,940.9	4,684.9	732.4	4,725.5	0.00	0.00	0.00
12,800.0	89.89	0.06	7,941.1	4,784.9	732.5	4,825.3	0.00	0.00	0.00
12,900.0	89.89	0.06	7,941.3	4,884.9	732.6	4,925.0	0.00	0.00	0.00
13,000.0	89.89	0.06	7,941.5	4,984.9	732.7	5,024.7	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well: MYOX 31 ST COM #501H
Project:	EDDY COUNTY, NM	TVD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Site:	MYOX 31 ST COM	MD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Well:	MYOX 31 ST COM #501H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)	
13,100.0	89.89	0.06	7,941.7	5,084.9	732.8	5,124.5	0.00	0.00	0.00	
13,200.0	89.89	0.06	7,941.9	5,184.9	732.9	5,224.2	0.00	0.00	0.00	
13,300.0	89.89	0.06	7,942.1	5,284.9	733.0	5,324.0	0.00	0.00	0.00	
13,400.0	89.89	0.06	7,942.3	5,384.9	733.1	5,423.7	0.00	0.00	0.00	
13,500.0	89.89	0.06	7,942.5	5,484.9	733.2	5,523.5	0.00	0.00	0.00	
13,600.0	89.89	0.06	7,942.7	5,584.9	733.3	5,623.2	0.00	0.00	0.00	
13,700.0	89.89	0.06	7,942.9	5,684.9	733.4	5,723.0	0.00	0.00	0.00	
13,800.0	89.89	0.06	7,943.1	5,784.9	733.5	5,822.7	0.00	0.00	0.00	
13,900.0	89.89	0.06	7,943.3	5,884.9	733.6	5,922.5	0.00	0.00	0.00	
14,000.0	89.89	0.06	7,943.5	5,984.9	733.7	6,022.2	0.00	0.00	0.00	
14,100.0	89.89	0.06	7,943.7	6,084.9	733.8	6,122.0	0.00	0.00	0.00	
14,200.0	89.89	0.06	7,943.9	6,184.9	733.9	6,221.7	0.00	0.00	0.00	
14,300.0	89.89	0.06	7,944.1	6,284.9	734.0	6,321.5	0.00	0.00	0.00	
14,400.0	89.89	0.06	7,944.3	6,384.9	734.1	6,421.2	0.00	0.00	0.00	
14,500.0	89.89	0.06	7,944.5	6,484.9	734.2	6,520.9	0.00	0.00	0.00	
14,600.0	89.89	0.06	7,944.7	6,584.9	734.3	6,620.7	0.00	0.00	0.00	
14,700.0	89.89	0.06	7,944.9	6,684.9	734.4	6,720.4	0.00	0.00	0.00	
14,800.0	89.89	0.06	7,945.1	6,784.9	734.5	6,820.2	0.00	0.00	0.00	
14,900.0	89.89	0.06	7,945.3	6,884.9	734.6	6,919.9	0.00	0.00	0.00	
15,000.0	89.89	0.06	7,945.5	6,984.9	734.7	7,019.7	0.00	0.00	0.00	
15,100.0	89.89	0.06	7,945.7	7,084.9	734.8	7,119.4	0.00	0.00	0.00	
15,200.0	89.89	0.06	7,945.9	7,184.9	734.9	7,219.2	0.00	0.00	0.00	
15,300.0	89.89	0.06	7,946.1	7,284.9	735.0	7,318.9	0.00	0.00	0.00	
15,400.0	89.89	0.06	7,946.3	7,384.9	735.1	7,418.7	0.00	0.00	0.00	
15,500.0	89.89	0.06	7,946.5	7,484.9	735.2	7,518.4	0.00	0.00	0.00	
15,600.0	89.89	0.06	7,946.7	7,584.9	735.3	7,618.2	0.00	0.00	0.00	
15,700.0	89.89	0.06	7,946.9	7,684.9	735.4	7,717.9	0.00	0.00	0.00	
15,800.0	89.89	0.06	7,947.1	7,784.9	735.5	7,817.7	0.00	0.00	0.00	
15,900.0	89.89	0.06	7,947.3	7,884.9	735.6	7,917.4	0.00	0.00	0.00	
16,000.0	89.89	0.06	7,947.5	7,984.9	735.7	8,017.1	0.00	0.00	0.00	
16,100.0	89.89	0.06	7,947.7	8,084.9	735.8	8,116.9	0.00	0.00	0.00	
16,200.0	89.89	0.06	7,947.9	8,184.9	735.9	8,216.6	0.00	0.00	0.00	
16,300.0	89.89	0.06	7,948.1	8,284.9	736.0	8,316.4	0.00	0.00	0.00	
16,400.0	89.89	0.06	7,948.3	8,384.9	736.1	8,416.1	0.00	0.00	0.00	
16,500.0	89.89	0.06	7,948.5	8,484.9	736.2	8,515.9	0.00	0.00	0.00	
16,600.0	89.89	0.06	7,948.7	8,584.9	736.3	8,615.6	0.00	0.00	0.00	
16,700.0	89.89	0.06	7,948.9	8,684.9	736.4	8,715.4	0.00	0.00	0.00	
16,800.0	89.89	0.06	7,949.1	8,784.9	736.5	8,815.1	0.00	0.00	0.00	
16,900.0	89.89	0.06	7,949.3	8,884.9	736.6	8,914.9	0.00	0.00	0.00	
17,000.0	89.89	0.06	7,949.5	8,984.9	736.7	9,014.6	0.00	0.00	0.00	
17,100.0	89.89	0.06	7,949.8	9,084.9	736.8	9,114.4	0.00	0.00	0.00	
17,200.0	89.89	0.06	7,950.0	9,184.9	736.9	9,214.1	0.00	0.00	0.00	
17,300.0	89.89	0.06	7,950.2	9,284.9	737.0	9,313.9	0.00	0.00	0.00	
17,400.0	89.89	0.06	7,950.4	9,384.9	737.1	9,413.6	0.00	0.00	0.00	

Concho Resources LLC

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 ST COM #501H
Project:	EDDY COUNTY, NM	TVD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Site:	MYOX 31 ST COM	MD Reference:	KB=25' @ 3063.0usft (Pioneer 84)
Well:	MYOX 31 ST COM #501H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)
17,500.0	89.89	0.06	7,950.6	9,484.9	737.2	9,513.3	0.00	0.00	0.00
17,600.0	89.89	0.06	7,950.8	9,584.9	737.3	9,613.1	0.00	0.00	0.00
17,700.0	89.89	0.06	7,951.0	9,684.9	737.4	9,712.8	0.00	0.00	0.00
17,800.0	89.89	0.06	7,951.2	9,784.9	737.5	9,812.6	0.00	0.00	0.00
17,900.0	89.89	0.06	7,951.4	9,884.9	737.6	9,912.3	0.00	0.00	0.00
18,000.0	89.89	0.06	7,951.6	9,984.9	737.7	10,012.1	0.00	0.00	0.00
18,100.0	89.89	0.06	7,951.8	10,084.9	737.8	10,111.8	0.00	0.00	0.00
18,200.0	89.89	0.06	7,952.0	10,184.9	737.9	10,211.6	0.00	0.00	0.00
18,222.4	89.89	0.06	7,952.0	10,207.3	737.9	10,233.9	0.00	0.00	0.00
TD at 18222.4									

Design Targets									
Target Name	hit/miss target	Dip Angle (°)	Dip Dir (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude Longitude
FTP (MYOX 31 ST CC)	- plan misses target center by 335.8usft at 7944.3usft MD (7837.3 TVD, -13.9 N, 457.6 E)	0.00	0.00	7,932.0	-190.5	727.1	392,557.30	566,265.90	32° 4' 44.670 N 104° 7' 9.786 W
	- Circle (radius 50.0)								
PBHL (MYOX 31 ST C)	- plan hits target center	-0.11	180.06	7,952.0	10,207.3	737.9	402,955.10	566,276.70	32° 6' 27.572 N 104° 7' 9.421 W
	- Rectangle (sides W100.0 H10,492.0 D20.0)								
LTP (MYOX 31 ST CC)	- plan misses target center by 0.5usft at 18172.4usft MD (7951.9 TVD, 10157.3 N, 737.9 E)	0.00	0.00	7,952.0	10,157.3	738.3	402,905.10	566,277.10	32° 6' 27.077 N 104° 7' 9.417 W
	- Point								

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2500	2500	0	0	Start Build 2.00
2750	2750	-6	9	Start 4614.6 hold at 2750.0 MD
7365	7347	-243	334	Start DLS 10.00 TFO -106.70
8278	7932	281	569	Start DLS 2.00 TFO -90.00
9237	7934	1222	729	Start 8985.0 hold at 9237.4 MD
18,222	7952	10,207	738	TD at 18222.4

Checked By: _____ Approved By: _____ Date: _____



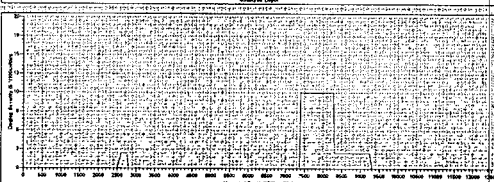
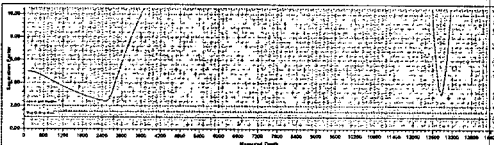
Project: EDDY COUNTY, NM
Site: MVOX 31 ST COM #501H
Well: MVOX 31 ST COM #501H
Wellbore: OWS
Design: PWP2
CL: 3018.8
KB=25 @ 3063.25ft (Pioneer 84)

WELL DETAILS: MVOX 31 ST COM #501H

N-S	E-W	Northings	Eastings	Latitude	Longitude
N-3	0.0	292747.80	565335.80	32° 4' 44.572 N	104° 7' 18.723 W

DESIGN TARGET DETAILS

Name	TVD	N-S	E-W	Northings	Eastings	Latitude	Longitude
FTP (MVOX 31 ST COM #501H)	7352.0	-150.3	777.1	292547.35	565265.80	32° 4' 44.572 N	104° 7' 18.723 W
LTP (MVOX 31 ST COM #501H)	7352.0	10187.3	738.3	402365.10	566277.10	32° 4' 27.077 N	104° 7' 8.417 W
PSM (MVOX 31 ST COM #501H)	7352.0	10207.3	737.8	402365.10	566278.70	32° 4' 27.572 N	104° 7' 8.421 W



MD	Inc	Adj	TVD	N-S	E-W	Depth	Trace	Y-Sect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start 4814.8 hole at 2750.0 MD
2750.0	5.00	126.00	2749.7	-4.4	8.6	2.00	126.00	0.0	Start DLS 10.00 TFO -104.70
7348.8	5.00	126.00	7348.7	-342.8	134.2	0.00	0.00	-218.1	Start DLS 2.00 TFO -40.00
8371.4	89.88	8.23	7348.2	380.7	586.6	10.00	-104.70	234.9	Start 5865.8 hole at 8371.4 MD
9237.4	89.88	8.23	7348.0	1233.3	729.0	2.00	-40.00	1271.7	TD at 18222.4
18222.4	89.88	8.23	7348.0	10207.3	777.8	0.00	0.00	10233.9	

