

Submit 1 Copy To Appropriate District Office

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

State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

Revised July 18, 2013

RECEIVED

JAN 09 2020

CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
EMNRD-OCD ARTESIA

WELL API NO.

30-015-46499

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Myox 31 State Com

8. Well Number 503H

9. OGRID Number

229137

10. Pool name or Wildcat

Delaware River; Bone Spring 16800

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

COG Operating LLC

3. Address of Operator

600 W. Illinois Ave., Midland, TX 79701

4. Well Location

Unit Letter N : 270 feet from the South line and 1420 feet from the West line

Section 31 Township 25S Range 28E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

3071' GR

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 1980' FWL, Sec 30, T25S, R28E, Unit C

TO: 50' FNL 2228' FWL, Sec 30, T25S, R28E, Unit C

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 Robyn M. Russell TITLE Sr Regulatory Analyst DATE 01/07/2020

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

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

1/28/20 KS

Concho Resources LLC

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 ST COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	KB=24' @ 3095.0usft (Ensign 155)
Site:	MYOX 31 ST COM	MD Reference:	KB=24' @ 3095.0usft (Ensign 155)
Well:	MYOX 31 ST COM #503H	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 #503H		
Well Position	+N/-S	0.0 usft	Latitude: 32° 4' 46.383 N
	+E/-W	0.0 usft	Longitude: 104° 7' 48.612 W
Position Uncertainty	3.0 usft	Wellhead Elevation:	usft
			Ground Level: 3,071.0 usft

Wellbore:	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	1/6/2020	6.93
			Dip Angle (°) 59.81
			Field Strength (nT) 47,533.82860990

Design:	PWP2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°) 4.25

Survey Tool/Program:	Date 1/6/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
0.0	18,277.0	PWP2 (OWB)	MWD+IFR1+FDIR
			Description OWSG MWD + IFR1 + FDIR Correction

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	

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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	122.50	2,600.0	-0.9	1.5	-0.8	2.00	2.00	0.00
2,700.0	4.00	122.50	2,699.8	-3.7	5.9	-3.3	2.00	2.00	0.00
2,750.0	5.00	122.50	2,749.7	-5.9	9.2	-5.2	2.00	2.00	0.00
Start 4609.0 hold at 2750.0 MD									
2,800.0	5.00	122.50	2,799.5	-8.2	12.9	-7.2	0.00	0.00	0.00
2,900.0	5.00	122.50	2,899.1	-12.9	20.2	-11.3	0.00	0.00	0.00
3,000.0	5.00	122.50	2,998.7	-17.6	27.6	-15.5	0.00	0.00	0.00
3,100.0	5.00	122.50	3,098.4	-22.2	34.9	-19.6	0.00	0.00	0.00
3,200.0	5.00	122.50	3,198.0	-26.9	42.3	-23.7	0.00	0.00	0.00
3,300.0	5.00	122.50	3,297.6	-31.6	49.6	-27.9	0.00	0.00	0.00
3,400.0	5.00	122.50	3,397.2	-36.3	57.0	-32.0	0.00	0.00	0.00
3,500.0	5.00	122.50	3,496.8	-41.0	64.3	-36.1	0.00	0.00	0.00
3,600.0	5.00	122.50	3,596.4	-45.7	71.7	-40.2	0.00	0.00	0.00
3,700.0	5.00	122.50	3,696.1	-50.3	79.0	-44.4	0.00	0.00	0.00
3,800.0	5.00	122.50	3,795.7	-55.0	86.4	-48.5	0.00	0.00	0.00
3,900.0	5.00	122.50	3,895.3	-59.7	93.7	-52.6	0.00	0.00	0.00
4,000.0	5.00	122.50	3,994.9	-64.4	101.1	-56.7	0.00	0.00	0.00
4,100.0	5.00	122.50	4,094.5	-69.1	108.4	-60.9	0.00	0.00	0.00
4,200.0	5.00	122.50	4,194.2	-73.8	115.8	-65.0	0.00	0.00	0.00
4,300.0	5.00	122.50	4,293.8	-78.4	123.1	-69.1	0.00	0.00	0.00
4,400.0	5.00	122.50	4,393.4	-83.1	130.5	-73.2	0.00	0.00	0.00
4,500.0	5.00	122.50	4,493.0	-87.8	137.8	-77.4	0.00	0.00	0.00
4,600.0	5.00	122.50	4,592.6	-92.5	145.2	-81.5	0.00	0.00	0.00
4,700.0	5.00	122.50	4,692.3	-97.2	152.5	-85.6	0.00	0.00	0.00
4,800.0	5.00	122.50	4,791.9	-101.9	159.9	-89.7	0.00	0.00	0.00
4,900.0	5.00	122.50	4,891.5	-106.5	167.2	-93.9	0.00	0.00	0.00
5,000.0	5.00	122.50	4,991.1	-111.2	174.6	-98.0	0.00	0.00	0.00

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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)	
5,100.0	5.00	122.50	5,090.7	-115.9	181.9	-102.1	0.00	0.00	0.00	
5,200.0	5.00	122.50	5,190.4	-120.6	189.3	-106.2	0.00	0.00	0.00	
5,300.0	5.00	122.50	5,290.0	-125.3	196.6	-110.4	0.00	0.00	0.00	
5,400.0	5.00	122.50	5,389.6	-130.0	204.0	-114.5	0.00	0.00	0.00	
5,500.0	5.00	122.50	5,489.2	-134.6	211.3	-118.6	0.00	0.00	0.00	
5,600.0	5.00	122.50	5,588.8	-139.3	218.7	-122.7	0.00	0.00	0.00	
5,700.0	5.00	122.50	5,688.5	-144.0	226.0	-126.9	0.00	0.00	0.00	
5,800.0	5.00	122.50	5,788.1	-148.7	233.4	-131.0	0.00	0.00	0.00	
5,900.0	5.00	122.50	5,887.7	-153.4	240.7	-135.1	0.00	0.00	0.00	
6,000.0	5.00	122.50	5,987.3	-158.1	248.1	-139.3	0.00	0.00	0.00	
6,100.0	5.00	122.50	6,086.9	-162.7	255.4	-143.4	0.00	0.00	0.00	
6,200.0	5.00	122.50	6,186.6	-167.4	262.8	-147.5	0.00	0.00	0.00	
6,300.0	5.00	122.50	6,286.2	-172.1	270.1	-151.6	0.00	0.00	0.00	
6,400.0	5.00	122.50	6,385.8	-176.8	277.5	-155.8	0.00	0.00	0.00	
6,500.0	5.00	122.50	6,485.4	-181.5	284.8	-159.9	0.00	0.00	0.00	
6,600.0	5.00	122.50	6,585.0	-186.1	292.2	-164.0	0.00	0.00	0.00	
6,700.0	5.00	122.50	6,684.7	-190.8	299.5	-168.1	0.00	0.00	0.00	
6,800.0	5.00	122.50	6,784.3	-195.5	306.9	-172.3	0.00	0.00	0.00	
6,900.0	5.00	122.50	6,883.9	-200.2	314.2	-176.4	0.00	0.00	0.00	
7,000.0	5.00	122.50	6,983.5	-204.9	321.6	-180.5	0.00	0.00	0.00	
7,100.0	5.00	122.50	7,083.1	-209.6	328.9	-184.6	0.00	0.00	0.00	
7,200.0	5.00	122.50	7,182.7	-214.2	336.3	-188.8	0.00	0.00	0.00	
7,300.0	5.00	122.50	7,282.4	-218.9	343.6	-192.9	0.00	0.00	0.00	
7,359.0	5.00	122.50	7,341.1	-221.7	348.0	-195.3	0.00	0.00	0.00	
Start DLS 10.00 TFO -103.85										
7,400.0	5.66	77.65	7,382.0	-222.2	351.5	-195.6	10.00	1.60	-109.27	
7,500.0	13.77	38.87	7,480.6	-211.9	363.8	-184.4	10.00	8.12	-38.78	
7,600.0	23.39	29.93	7,575.2	-185.3	381.2	-156.6	10.00	9.61	-8.95	
7,700.0	33.22	26.05	7,663.2	-143.4	403.2	-113.2	10.00	9.83	-3.87	
7,800.0	43.13	23.80	7,741.7	-87.4	429.1	-55.4	10.00	9.90	-2.25	
7,900.0	53.06	22.26	7,808.4	-19.0	458.1	15.0	10.00	9.93	-1.54	
8,000.0	63.01	21.08	7,861.3	59.8	489.3	95.9	10.00	9.95	-1.18	
8,100.0	72.97	20.09	7,898.7	146.5	521.9	184.7	10.00	9.96	-0.99	
8,200.0	82.93	19.20	7,919.6	238.5	554.7	278.9	10.00	9.96	-0.89	
8,271.0	90.00	18.60	7,924.0	305.4	577.6	347.4	10.00	9.96	-0.85	
Start DLS 2.00 TFO -90.00										
8,300.0	90.00	18.02	7,924.0	333.0	586.7	375.5	2.00	0.00	-2.00	
8,400.0	90.00	16.02	7,924.0	428.6	616.0	473.1	2.00	0.00	-2.00	
8,500.0	90.00	14.02	7,924.0	525.2	641.9	571.3	2.00	0.00	-2.00	
8,600.0	90.00	12.02	7,924.0	622.6	664.4	670.1	2.00	0.00	-2.00	
8,700.0	90.00	10.02	7,924.0	720.8	683.6	769.4	2.00	0.00	-2.00	
8,800.0	90.00	8.02	7,924.0	819.5	699.2	869.1	2.00	0.00	-2.00	
8,900.0	90.00	6.02	7,924.0	918.8	711.4	968.9	2.00	0.00	-2.00	
9,000.0	90.00	4.02	7,924.0	1,018.4	720.2	1,068.9	2.00	0.00	-2.00	

Concho Resources LLC

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9,100.0	90.00	2.02	7,924.0	1,118.3	725.5	1,168.9	2.00	0.00	-2.00	
9,189.3	90.00	0.23	7,924.0	1,207.5	727.2	1,258.0	2.00	0.00	-2.00	
Start 9087.7 hold at 9189.3 MD										
9,200.0	90.00	0.23	7,924.0	1,218.2	727.3	1,268.7	0.00	0.00	0.00	
9,300.0	90.00	0.23	7,924.0	1,318.2	727.7	1,368.5	0.00	0.00	0.00	
9,400.0	90.00	0.23	7,924.0	1,418.2	728.1	1,468.2	0.00	0.00	0.00	
9,500.0	90.00	0.23	7,924.0	1,518.2	728.5	1,568.0	0.00	0.00	0.00	
9,600.0	90.00	0.23	7,924.0	1,618.2	728.9	1,667.7	0.00	0.00	0.00	
9,700.0	90.00	0.23	7,924.0	1,718.2	729.3	1,767.5	0.00	0.00	0.00	
9,800.0	90.00	0.23	7,924.0	1,818.2	729.7	1,867.3	0.00	0.00	0.00	
9,900.0	90.00	0.23	7,924.0	1,918.2	730.1	1,967.0	0.00	0.00	0.00	
10,000.0	90.00	0.23	7,924.0	2,018.2	730.5	2,066.8	0.00	0.00	0.00	
10,100.0	90.00	0.23	7,924.0	2,118.2	730.9	2,166.5	0.00	0.00	0.00	
10,200.0	90.00	0.23	7,924.0	2,218.2	731.3	2,266.3	0.00	0.00	0.00	
10,300.0	90.00	0.23	7,924.0	2,318.2	731.7	2,366.0	0.00	0.00	0.00	
10,400.0	90.00	0.23	7,924.0	2,418.2	732.1	2,465.8	0.00	0.00	0.00	
10,500.0	90.00	0.23	7,924.0	2,518.2	732.5	2,565.5	0.00	0.00	0.00	
10,600.0	90.00	0.23	7,924.0	2,618.2	733.0	2,665.3	0.00	0.00	0.00	
10,700.0	90.00	0.23	7,924.0	2,718.2	733.4	2,765.1	0.00	0.00	0.00	
10,800.0	90.00	0.23	7,924.0	2,818.2	733.8	2,864.8	0.00	0.00	0.00	
10,900.0	90.00	0.23	7,924.0	2,918.2	734.2	2,964.6	0.00	0.00	0.00	
11,000.0	90.00	0.23	7,924.0	3,018.2	734.6	3,064.3	0.00	0.00	0.00	
11,100.0	90.00	0.23	7,924.0	3,118.2	735.0	3,164.1	0.00	0.00	0.00	
11,200.0	90.00	0.23	7,924.0	3,218.2	735.4	3,263.8	0.00	0.00	0.00	
11,300.0	90.00	0.23	7,924.0	3,318.2	735.8	3,363.6	0.00	0.00	0.00	
11,400.0	90.00	0.23	7,924.0	3,418.2	736.2	3,463.3	0.00	0.00	0.00	
11,500.0	90.00	0.23	7,924.0	3,518.2	736.6	3,563.1	0.00	0.00	0.00	
11,600.0	90.00	0.23	7,924.0	3,618.2	737.0	3,662.8	0.00	0.00	0.00	
11,700.0	90.00	0.23	7,924.0	3,718.2	737.4	3,762.6	0.00	0.00	0.00	
11,800.0	90.00	0.23	7,924.0	3,818.2	737.8	3,862.4	0.00	0.00	0.00	
11,900.0	90.00	0.23	7,924.0	3,918.2	738.2	3,962.1	0.00	0.00	0.00	
12,000.0	90.00	0.23	7,924.0	4,018.2	738.7	4,061.9	0.00	0.00	0.00	
12,100.0	90.00	0.23	7,924.0	4,118.2	739.1	4,161.6	0.00	0.00	0.00	
12,200.0	90.00	0.23	7,924.0	4,218.2	739.5	4,261.4	0.00	0.00	0.00	
12,300.0	90.00	0.23	7,924.0	4,318.2	739.9	4,361.1	0.00	0.00	0.00	
12,400.0	90.00	0.23	7,924.0	4,418.2	740.3	4,460.9	0.00	0.00	0.00	
12,500.0	90.00	0.23	7,924.0	4,518.2	740.7	4,560.6	0.00	0.00	0.00	
12,600.0	90.00	0.23	7,924.0	4,618.2	741.1	4,660.4	0.00	0.00	0.00	
12,700.0	90.00	0.23	7,924.0	4,718.2	741.5	4,760.1	0.00	0.00	0.00	
12,800.0	90.00	0.23	7,924.0	4,818.2	741.9	4,859.9	0.00	0.00	0.00	
12,900.0	90.00	0.23	7,924.0	4,918.2	742.3	4,959.7	0.00	0.00	0.00	
13,000.0	90.00	0.23	7,924.0	5,018.2	742.7	5,059.4	0.00	0.00	0.00	
13,100.0	90.00	0.23	7,924.0	5,118.2	743.1	5,159.2	0.00	0.00	0.00	

Concho Resources LLC

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local/Co-ordinate Reference:	Well MYOX 31 ST COM #503H
Project:	EDDY COUNTY NM	TVD Reference:	KB=24' @ 3095.0usft (Ensign 155)
Site:	MYOX 31 ST COM	MD Reference:	KB=24' @ 3095.0usft (Ensign 155)
Well:	MYOX 31 ST COM #503H	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)	
13,200.0	90.00	0.23	7,924.0	5,218.2	743.5	5,258.9	0.00	0.00	0.00	
13,300.0	90.00	0.23	7,924.0	5,318.2	743.9	5,358.7	0.00	0.00	0.00	
13,400.0	90.00	0.23	7,924.0	5,418.2	744.4	5,458.4	0.00	0.00	0.00	
13,500.0	90.00	0.23	7,924.0	5,518.2	744.8	5,558.2	0.00	0.00	0.00	
13,600.0	90.00	0.23	7,924.0	5,618.2	745.2	5,657.9	0.00	0.00	0.00	
13,700.0	90.00	0.23	7,924.0	5,718.2	745.6	5,757.7	0.00	0.00	0.00	
13,800.0	90.00	0.23	7,924.0	5,818.2	746.0	5,857.5	0.00	0.00	0.00	
13,900.0	90.00	0.23	7,924.0	5,918.2	746.4	5,957.2	0.00	0.00	0.00	
14,000.0	90.00	0.23	7,924.0	6,018.2	746.8	6,057.0	0.00	0.00	0.00	
14,100.0	90.00	0.23	7,924.0	6,118.2	747.2	6,156.7	0.00	0.00	0.00	
14,200.0	90.00	0.23	7,924.0	6,218.2	747.6	6,256.5	0.00	0.00	0.00	
14,300.0	90.00	0.23	7,924.0	6,318.2	748.0	6,356.2	0.00	0.00	0.00	
14,400.0	90.00	0.23	7,924.0	6,418.2	748.4	6,456.0	0.00	0.00	0.00	
14,500.0	90.00	0.23	7,924.0	6,518.2	748.8	6,555.7	0.00	0.00	0.00	
14,600.0	90.00	0.23	7,924.0	6,618.2	749.2	6,655.5	0.00	0.00	0.00	
14,700.0	90.00	0.23	7,924.0	6,718.2	749.6	6,755.2	0.00	0.00	0.00	
14,800.0	90.00	0.23	7,924.0	6,818.2	750.0	6,855.0	0.00	0.00	0.00	
14,900.0	90.00	0.23	7,924.0	6,918.2	750.5	6,954.8	0.00	0.00	0.00	
15,000.0	90.00	0.23	7,924.0	7,018.2	750.9	7,054.5	0.00	0.00	0.00	
15,100.0	90.00	0.23	7,924.0	7,118.2	751.3	7,154.3	0.00	0.00	0.00	
15,200.0	90.00	0.23	7,924.0	7,218.2	751.7	7,254.0	0.00	0.00	0.00	
15,300.0	90.00	0.23	7,924.0	7,318.2	752.1	7,353.8	0.00	0.00	0.00	
15,400.0	90.00	0.23	7,924.0	7,418.2	752.5	7,453.5	0.00	0.00	0.00	
15,500.0	90.00	0.23	7,924.0	7,518.2	752.9	7,553.3	0.00	0.00	0.00	
15,600.0	90.00	0.23	7,924.0	7,618.2	753.3	7,653.0	0.00	0.00	0.00	
15,700.0	90.00	0.23	7,924.0	7,718.2	753.7	7,752.8	0.00	0.00	0.00	
15,800.0	90.00	0.23	7,924.0	7,818.2	754.1	7,852.6	0.00	0.00	0.00	
15,900.0	90.00	0.23	7,924.0	7,918.2	754.5	7,952.3	0.00	0.00	0.00	
16,000.0	90.00	0.23	7,924.0	8,018.2	754.9	8,052.1	0.00	0.00	0.00	
16,100.0	90.00	0.23	7,924.0	8,118.2	755.3	8,151.8	0.00	0.00	0.00	
16,200.0	90.00	0.23	7,924.0	8,218.2	755.7	8,251.6	0.00	0.00	0.00	
16,300.0	90.00	0.23	7,924.0	8,318.2	756.2	8,351.3	0.00	0.00	0.00	
16,400.0	90.00	0.23	7,924.0	8,418.2	756.6	8,451.1	0.00	0.00	0.00	
16,500.0	90.00	0.23	7,924.0	8,518.2	757.0	8,550.8	0.00	0.00	0.00	
16,600.0	90.00	0.23	7,924.0	8,618.2	757.4	8,650.6	0.00	0.00	0.00	
16,700.0	90.00	0.23	7,924.0	8,718.2	757.8	8,750.3	0.00	0.00	0.00	
16,800.0	90.00	0.23	7,924.0	8,818.2	758.2	8,850.1	0.00	0.00	0.00	
16,900.0	90.00	0.23	7,924.0	8,918.2	758.6	8,949.9	0.00	0.00	0.00	
17,000.0	90.00	0.23	7,924.0	9,018.2	759.0	9,049.6	0.00	0.00	0.00	
17,100.0	90.00	0.23	7,924.0	9,118.2	759.4	9,149.4	0.00	0.00	0.00	
17,200.0	90.00	0.23	7,924.0	9,218.2	759.8	9,249.1	0.00	0.00	0.00	
17,300.0	90.00	0.23	7,924.0	9,318.2	760.2	9,348.9	0.00	0.00	0.00	
17,400.0	90.00	0.23	7,924.0	9,418.2	760.6	9,448.6	0.00	0.00	0.00	
17,500.0	90.00	0.23	7,924.0	9,518.2	761.0	9,548.4	0.00	0.00	0.00	

Concho Resources LLC

Survey Report

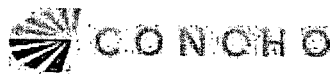
Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well MYOX 31 ST COM #503H
Project:	EDDY COUNTY, NM	TVD Reference:	KB=24' @ 3095.0usft (Ensign 155)
Site:	MYOX 31 ST COM	MD Reference:	KB=24' @ 3095.0usft (Ensign 155)
Well:	MYOX 31 ST COM #503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation 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)
17,600.0	90.00	0.23	7,924.0	9,618.2	761.4	9,648.1	0.00	0.00	0.00
17,700.0	90.00	0.23	7,924.0	9,718.2	761.9	9,747.9	0.00	0.00	0.00
17,800.0	90.00	0.23	7,924.0	9,818.2	762.3	9,847.7	0.00	0.00	0.00
17,900.0	90.00	0.23	7,924.0	9,918.2	762.7	9,947.4	0.00	0.00	0.00
18,000.0	90.00	0.23	7,924.0	10,018.2	763.1	10,047.2	0.00	0.00	0.00
18,100.0	90.00	0.23	7,924.0	10,118.2	763.5	10,146.9	0.00	0.00	0.00
18,200.0	90.00	0.23	7,924.0	10,218.2	763.9	10,246.7	0.00	0.00	0.00
18,277.0	90.00	0.23	7,924.0	10,295.2	764.2	10,323.5	0.00	0.00	0.00
TD at 18277.0									

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
PBHL (MYOX 31 ST C	- plan hits target center	0.00	180.23	7,924.0	10,295.2	764.2	403,019.10	563,689.40	32° 6' 28.255 N 104° 7' 39.501 W
- Rectangle (sides W100.0 H10,564.0 D20.0)									
FTP (MYOX 31 ST C)	- plan misses target center by 390.8usft at 7953.6usft MD (7838.6 TVD, 22.1 N, 474.6 E)	0.00	0.01	7,924.0	-166.7	806.0	392,557.20	563,731.20	32° 4' 44.718 N 104° 7' 39.247 W
- Circle (radius 50.0)									
LTP (MYOX 31 ST CC	- plan misses target center by 27.1usft at 18200.0usft MD (7924.0 TVD, 10218.2 N, 763.9 E)	0.00	0.00	7,924.0	10,245.2	764.6	402,969.10	563,689.80	32° 6' 27.760 N 104° 7' 39.498 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 4609.0 hold at 2750.0 MD	
7359	7341	-222	348	Start DLS 10.00 TFO -103.85	
8271	7924	305	578	Start DLS 2.00 TFO -90.00	
9189	7924	1208	727	Start 9087.7 hold at 9189.3 MD	
18,277	7924	10,295	764	TD at 18277.0	

Checked By: _____ Approved By: _____ Date: _____



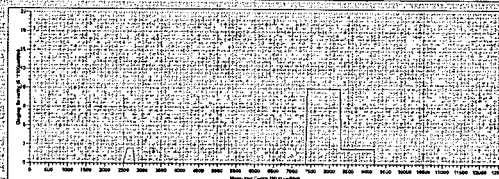
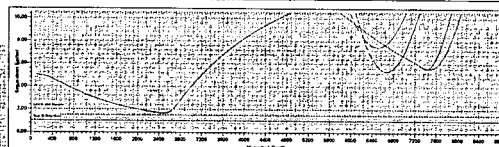
Project: EDDY COUNTY, NM
Site: MYO 31 ST COM #503H
PMS: MYO 31 ST COM #503H
Wellbore: OWS
Design: PWP
DL: 2077.0
KB+24' @ 2095.0vSR (Ensign 155)

WELL DETAILS: MYO 31 ST COM #503H

+N+8	+E+W	Northing	Easting	Latitude	Longitude
0.0	0.0	92723.90	562925.20	32° 4' 48.345 N	104° 7' 48.912 W

DESIGN TARGET DETAILS

Name	TVD	+N+8	+E+W	Northing	Easting	Latitude	Longitude
FTP (MYO 31 ST COM #503H)	7324.0	-186.7	808.0	92697.20	563773.20	32° 4' 44.718 N	104° 7' 38.347 W
LTP (MYO 31 ST COM #503H)	7324.0	10243.2	784.4	402985.10	561489.80	32° 4' 22.740 N	104° 7' 35.488 W
PRML (MYO 31 ST COM #503H)	7324.0	10295.2	784.4	402016.10	563885.40	32° 4' 28.250 N	104° 7' 33.901 W



MD	DL	Adj	TVD	+N+8	+E+W	Depth	Time	Rate	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	Start Build 5.00
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.00	Start 4800.0 hold at 2790.0 MD
2790.0	5.00	123.90	2790.0	-5.0	8.2	2.00	122.50	4.0	Start DL 10.00 TPO -101.85
7324.0	5.00	122.50	7324.0	-231.7	348.9	0.00	0.00	-195.3	Start DL 2.50 TPO -40.00
8277.0	80.00	18.00	7324.0	808.0	577.4	10.00	103.85	347.4	Start 9087.7 hold at 9189.3 MD
9189.3	80.00	0.23	7324.0	1207.0	727.2	2.00	-80.00	1234.0	ID at 18277.0
18277.0	80.00	0.23	7324.0	10295.2	784.4	0.00	0.00	10292.5	

