



CONCHO

NM OIL CONSERVATION
ARTESIA DISTRICT

FEB 20 2019

RECEIVED

Concho Resources, Inc.

Eddy County (NAD27 NME)

(Myox 21 State Com) Sec-21_T-25-S_R28-E

Myox 30 State Com #801H

30.015-45752

OWB

Plan: Plan #1

Standard Planning Report

13 February, 2019

 **INTREPID**



Intrepid Planning Report



Database: EDM 5000.15 Single User Db
Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 30 State Com #801H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: Well Myox 30 State Com #801H
TVD Reference: KB @ 3050.2usft (Latshaw 44)
MD Reference: KB @ 3050.2usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project	Eddy County (NAD27 NME)		
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 21 State Com) Sec-21_T-25-S_R28-E		
Site Position:		Northing:	403,784.88 usft
From:	Map	Easting:	573,058.41 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"
		Latitude:	32° 6' 35.644 N
		Longitude:	104° 5' 50.552 W
		Grid Convergence:	0.13 °

Well	Myox 30 State Com #801H		
Well Position	+N/-S	-5,462.9 usft	Northing: 398,322.00 usft
	+E/-W	-9,411.6 usft	Easting: 563,646.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 5' 41.771 N
			Longitude: 104° 7' 40.101 W
			Ground Level: 3,025.2 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	02/13/19	7.02	59.83	47,634.91803348

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	1.31

Plan Survey Tool Program	Date 02/13/19			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,457.0 Plan #1 (OWB)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,349.9	7.00	153.07	2,349.0	-19.0	9.7	2.00	2.00	0.00	153.07	
7,117.4	7.00	153.07	7,081.0	-536.8	272.7	0.00	0.00	0.00	0.00	
7,467.2	0.00	0.00	7,430.0	-555.8	282.4	2.00	-2.00	0.00	180.00	
9,753.2	0.00	0.00	9,716.0	-555.8	282.4	0.00	0.00	0.00	0.00	
10,650.3	89.71	359.68	10,289.0	14.2	279.2	10.00	10.00	-0.04	359.68	
20,458.0	89.71	359.68	10,339.0	9,821.6	224.6	0.00	0.00	0.00	0.00	PBHL (Myox 30 St



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Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
657.0	0.00	0.00	657.0	0.0	0.0	0.0	0.00	0.00	0.00
Rustler									
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
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
NUDGE - Build 2.00									
2,099.0	1.98	153.07	2,099.0	-1.5	0.8	-1.5	2.00	2.00	0.00
TOS									
2,100.0	2.00	153.07	2,100.0	-1.6	0.8	-1.5	2.00	2.00	0.00
2,200.0	4.00	153.07	2,199.8	-6.2	3.2	-6.1	2.00	2.00	0.00
2,292.5	5.85	153.07	2,292.0	-13.3	6.8	-13.1	2.00	2.00	0.00
BOS (Fletcher)									
2,300.0	6.00	153.07	2,299.5	-14.0	7.1	-13.8	2.00	2.00	0.00
2,329.7	6.59	153.07	2,329.0	-16.9	8.6	-16.7	2.00	2.00	0.00
LMAR (Top Delaware)									
2,349.9	7.00	153.07	2,349.0	-19.0	9.7	-18.8	2.00	2.00	0.00
HOLD - 4767.5 at 2349.9 MD									
2,400.0	7.00	153.07	2,398.8	-24.5	12.4	-24.2	0.00	0.00	0.00
2,500.0	7.00	153.07	2,498.0	-35.3	17.9	-34.9	0.00	0.00	0.00
2,600.0	7.00	153.07	2,597.3	-46.2	23.5	-45.6	0.00	0.00	0.00
2,700.0	7.00	153.07	2,696.5	-57.1	29.0	-56.4	0.00	0.00	0.00
2,800.0	7.00	153.07	2,795.8	-67.9	34.5	-67.1	0.00	0.00	0.00
2,900.0	7.00	153.07	2,895.0	-78.8	40.0	-77.8	0.00	0.00	0.00
3,000.0	7.00	153.07	2,994.3	-89.6	45.5	-88.6	0.00	0.00	0.00
3,100.0	7.00	153.07	3,093.5	-100.5	51.0	-99.3	0.00	0.00	0.00
3,152.8	7.00	153.07	3,146.0	-106.2	54.0	-105.0	0.00	0.00	0.00
BYCN									
3,200.0	7.00	153.07	3,192.8	-111.4	56.6	-110.0	0.00	0.00	0.00
3,300.0	7.00	153.07	3,292.1	-122.2	62.1	-120.8	0.00	0.00	0.00
3,400.0	7.00	153.07	3,391.3	-133.1	67.6	-131.5	0.00	0.00	0.00
3,500.0	7.00	153.07	3,490.6	-143.9	73.1	-142.2	0.00	0.00	0.00
3,600.0	7.00	153.07	3,589.8	-154.8	78.6	-153.0	0.00	0.00	0.00
3,700.0	7.00	153.07	3,689.1	-165.7	84.2	-163.7	0.00	0.00	0.00
3,800.0	7.00	153.07	3,788.3	-176.5	89.7	-174.4	0.00	0.00	0.00
3,900.0	7.00	153.07	3,887.6	-187.4	95.2	-185.2	0.00	0.00	0.00

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4,000.0	7.00	153.07	3,986.8	-198.2	100.7	-195.9	0.00	0.00	0.00
4,100.0	7.00	153.07	4,086.1	-209.1	106.2	-206.6	0.00	0.00	0.00
4,200.0	7.00	153.07	4,185.4	-220.0	111.7	-217.4	0.00	0.00	0.00
4,300.0	7.00	153.07	4,284.6	-230.8	117.3	-228.1	0.00	0.00	0.00
4,357.8	7.00	153.07	4,342.0	-237.1	120.4	-234.3	0.00	0.00	0.00
CYCN									
4,400.0	7.00	153.07	4,383.9	-241.7	122.8	-238.8	0.00	0.00	0.00
4,500.0	7.00	153.07	4,483.1	-252.5	128.3	-249.5	0.00	0.00	0.00
4,600.0	7.00	153.07	4,582.4	-263.4	133.8	-260.3	0.00	0.00	0.00
4,700.0	7.00	153.07	4,681.6	-274.3	139.3	-271.0	0.00	0.00	0.00
4,800.0	7.00	153.07	4,780.9	-285.1	144.8	-281.7	0.00	0.00	0.00
4,900.0	7.00	153.07	4,880.1	-296.0	150.4	-292.5	0.00	0.00	0.00
5,000.0	7.00	153.07	4,979.4	-306.9	155.9	-303.2	0.00	0.00	0.00
5,100.0	7.00	153.07	5,078.6	-317.7	161.4	-313.9	0.00	0.00	0.00
5,200.0	7.00	153.07	5,177.9	-328.6	166.9	-324.7	0.00	0.00	0.00
5,300.0	7.00	153.07	5,277.2	-339.4	172.4	-335.4	0.00	0.00	0.00
5,400.0	7.00	153.07	5,376.4	-350.3	177.9	-346.1	0.00	0.00	0.00
5,500.0	7.00	153.07	5,475.7	-361.2	183.5	-356.9	0.00	0.00	0.00
5,600.0	7.00	153.07	5,574.9	-372.0	189.0	-367.6	0.00	0.00	0.00
5,700.0	7.00	153.07	5,674.2	-382.9	194.5	-378.3	0.00	0.00	0.00
5,800.0	7.00	153.07	5,773.4	-393.7	200.0	-389.1	0.00	0.00	0.00
5,900.0	7.00	153.07	5,872.7	-404.6	205.5	-399.8	0.00	0.00	0.00
5,988.0	7.00	153.07	5,960.0	-414.2	210.4	-409.2	0.00	0.00	0.00
BYCN									
6,000.0	7.00	153.07	5,971.9	-415.5	211.0	-410.5	0.00	0.00	0.00
6,100.0	7.00	153.07	6,071.2	-426.3	216.6	-421.3	0.00	0.00	0.00
6,200.0	7.00	153.07	6,170.5	-437.2	222.1	-432.0	0.00	0.00	0.00
6,267.0	7.00	153.07	6,237.0	-444.5	225.8	-439.2	0.00	0.00	0.00
Bone Sprg (BSGL)									
6,300.0	7.00	153.07	6,269.7	-448.0	227.6	-442.7	0.00	0.00	0.00
6,400.0	7.00	153.07	6,369.0	-458.9	233.1	-453.5	0.00	0.00	0.00
6,500.0	7.00	153.07	6,468.2	-469.8	238.6	-464.2	0.00	0.00	0.00
6,524.0	7.00	153.07	6,492.0	-472.4	240.0	-466.8	0.00	0.00	0.00
U Avalon Sh									
6,600.0	7.00	153.07	6,567.5	-480.6	244.2	-474.9	0.00	0.00	0.00
6,700.0	7.00	153.07	6,666.7	-491.5	249.7	-485.7	0.00	0.00	0.00
6,800.0	7.00	153.07	6,766.0	-502.4	255.2	-496.4	0.00	0.00	0.00
6,900.0	7.00	153.07	6,865.2	-513.2	260.7	-507.1	0.00	0.00	0.00
6,912.9	7.00	153.07	6,878.0	-514.6	261.4	-508.5	0.00	0.00	0.00
L Avalon Sh									
7,000.0	7.00	153.07	6,964.5	-524.1	266.2	-517.8	0.00	0.00	0.00
7,100.0	7.00	153.07	7,063.8	-534.9	271.7	-528.6	0.00	0.00	0.00
7,117.4	7.00	153.07	7,081.0	-536.8	272.7	-530.4	0.00	0.00	0.00
DROP - -2.00									
7,200.0	5.34	153.07	7,163.1	-544.7	276.7	-538.3	2.00	-2.00	0.00
7,300.0	3.34	153.07	7,262.8	-551.5	280.1	-544.9	2.00	-2.00	0.00
7,400.0	1.34	153.07	7,362.8	-555.1	282.0	-548.5	2.00	-2.00	0.00
7,467.2	0.00	0.00	7,430.0	-555.8	282.4	-549.2	2.00	-2.00	0.00
HOLD- 2286.0 at 7467.2 MD									
7,481.2	0.00	0.00	7,444.0	-555.8	282.4	-549.2	0.00	0.00	0.00
FBSG_sand									
7,500.0	0.00	0.00	7,462.8	-555.8	282.4	-549.2	0.00	0.00	0.00
7,600.0	0.00	0.00	7,562.8	-555.8	282.4	-549.2	0.00	0.00	0.00

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7,700.0	0.00	0.00	7,662.8	-555.8	282.4	-549.2	0.00	0.00	0.00
7,800.0	0.00	0.00	7,762.8	-555.8	282.4	-549.2	0.00	0.00	0.00
7,900.0	0.00	0.00	7,862.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,000.0	0.00	0.00	7,962.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,031.2	0.00	0.00	7,994.0	-555.8	282.4	-549.2	0.00	0.00	0.00
SBSG_sand									
8,100.0	0.00	0.00	8,062.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,200.0	0.00	0.00	8,162.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,300.0	0.00	0.00	8,262.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,400.0	0.00	0.00	8,362.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,500.0	0.00	0.00	8,462.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,600.0	0.00	0.00	8,562.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,700.0	0.00	0.00	8,662.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,718.2	0.00	0.00	8,681.0	-555.8	282.4	-549.2	0.00	0.00	0.00
TBSG_sand									
8,800.0	0.00	0.00	8,762.8	-555.8	282.4	-549.2	0.00	0.00	0.00
8,900.0	0.00	0.00	8,862.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,000.0	0.00	0.00	8,962.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,075.2	0.00	0.00	9,038.0	-555.8	282.4	-549.2	0.00	0.00	0.00
WFMP									
9,100.0	0.00	0.00	9,062.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,200.0	0.00	0.00	9,162.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,233.2	0.00	0.00	9,196.0	-555.8	282.4	-549.2	0.00	0.00	0.00
WFMP Lith									
9,300.0	0.00	0.00	9,262.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,400.0	0.00	0.00	9,362.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,452.2	0.00	0.00	9,415.0	-555.8	282.4	-549.2	0.00	0.00	0.00
WFMP B									
9,500.0	0.00	0.00	9,462.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,600.0	0.00	0.00	9,562.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,700.0	0.00	0.00	9,662.8	-555.8	282.4	-549.2	0.00	0.00	0.00
9,735.2	0.00	0.00	9,698.0	-555.8	282.4	-549.2	0.00	0.00	0.00
WFMP C									
9,753.2	0.00	0.00	9,716.0	-555.8	282.4	-549.2	0.00	0.00	0.00
KOP - DLS 10.00 TFO 359.68									
9,800.0	4.68	359.68	9,762.7	-553.9	282.3	-547.3	10.00	10.00	0.00
9,850.0	9.68	359.68	9,812.3	-547.7	282.3	-541.1	10.00	10.00	0.00
9,900.0	14.68	359.68	9,861.2	-537.2	282.3	-530.6	10.00	10.00	0.00
9,950.0	19.68	359.68	9,908.9	-522.4	282.2	-515.8	10.00	10.00	0.00
10,000.0	24.68	359.68	9,955.2	-503.5	282.1	-496.9	10.00	10.00	0.00
10,024.2	27.10	359.68	9,977.0	-492.9	282.0	-486.4	10.00	10.00	0.00
WFMP D									
10,050.0	29.68	359.68	9,999.7	-480.7	281.9	-474.1	10.00	10.00	0.00
10,100.0	34.68	359.68	10,042.0	-454.1	281.8	-447.5	10.00	10.00	0.00
10,150.0	39.68	359.68	10,081.8	-423.9	281.6	-417.3	10.00	10.00	0.00
10,200.0	44.68	359.68	10,118.8	-390.3	281.4	-383.8	10.00	10.00	0.00
10,250.0	49.68	359.68	10,152.8	-353.7	281.2	-347.1	10.00	10.00	0.00
10,300.0	54.68	359.68	10,183.5	-314.2	281.0	-307.7	10.00	10.00	0.00
10,350.0	59.68	359.68	10,210.6	-272.2	280.8	-265.7	10.00	10.00	0.00
10,400.0	64.68	359.68	10,233.9	-228.0	280.5	-221.5	10.00	10.00	0.00
10,450.0	69.68	359.68	10,253.3	-181.9	280.3	-175.4	10.00	10.00	0.00
10,500.0	74.68	359.68	10,268.6	-134.3	280.0	-127.9	10.00	10.00	0.00
10,550.0	79.68	359.68	10,279.7	-85.6	279.7	-79.2	10.00	10.00	0.00

Database: EDM 5000.15 Single User Db
Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 30 State Com #801H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: Well Myox 30 State Com #801H
TVD Reference: KB @ 3050.2usft (Latshaw 44)
MD Reference: KB @ 3050.2usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
10,600.0	84.68	359.68	10,286.5	-36.1	279.5	-29.7	10.00	10.00	0.00
10,650.3	89.71	359.68	10,289.0	14.2	279.2	20.6	10.00	10.00	0.00
EOC - 9807.7 hold at 10650.3 MD									
10,700.0	89.71	359.68	10,289.2	63.9	278.9	70.2	0.00	0.00	0.00
10,800.0	89.71	359.68	10,289.7	163.9	278.4	170.2	0.00	0.00	0.00
10,900.0	89.71	359.68	10,290.2	263.9	277.8	270.1	0.00	0.00	0.00
11,000.0	89.71	359.68	10,290.7	363.8	277.2	370.1	0.00	0.00	0.00
11,100.0	89.71	359.68	10,291.2	463.8	276.7	470.1	0.00	0.00	0.00
11,200.0	89.71	359.68	10,291.8	563.8	276.1	570.0	0.00	0.00	0.00
11,300.0	89.71	359.68	10,292.3	663.8	275.6	670.0	0.00	0.00	0.00
11,400.0	89.71	359.68	10,292.8	763.8	275.0	769.9	0.00	0.00	0.00
11,500.0	89.71	359.68	10,293.3	863.8	274.5	869.9	0.00	0.00	0.00
11,600.0	89.71	359.68	10,293.8	963.8	273.9	969.8	0.00	0.00	0.00
11,700.0	89.71	359.68	10,294.3	1,063.8	273.3	1,069.8	0.00	0.00	0.00
11,800.0	89.71	359.68	10,294.8	1,163.8	272.8	1,169.8	0.00	0.00	0.00
11,900.0	89.71	359.68	10,295.3	1,263.8	272.2	1,269.7	0.00	0.00	0.00
12,000.0	89.71	359.68	10,295.8	1,363.8	271.7	1,369.7	0.00	0.00	0.00
12,100.0	89.71	359.68	10,296.3	1,463.8	271.1	1,469.6	0.00	0.00	0.00
12,200.0	89.71	359.68	10,296.9	1,563.8	270.6	1,569.6	0.00	0.00	0.00
12,300.0	89.71	359.68	10,297.4	1,663.8	270.0	1,669.5	0.00	0.00	0.00
12,400.0	89.71	359.68	10,297.9	1,763.8	269.4	1,769.5	0.00	0.00	0.00
12,500.0	89.71	359.68	10,298.4	1,863.8	268.9	1,869.5	0.00	0.00	0.00
12,600.0	89.71	359.68	10,298.9	1,963.8	268.3	1,969.4	0.00	0.00	0.00
12,700.0	89.71	359.68	10,299.4	2,063.8	267.8	2,069.4	0.00	0.00	0.00
12,800.0	89.71	359.68	10,299.9	2,163.8	267.2	2,169.3	0.00	0.00	0.00
12,900.0	89.71	359.68	10,300.4	2,263.8	266.7	2,269.3	0.00	0.00	0.00
13,000.0	89.71	359.68	10,300.9	2,363.8	266.1	2,369.3	0.00	0.00	0.00
13,100.0	89.71	359.68	10,301.5	2,463.8	265.6	2,469.2	0.00	0.00	0.00
13,200.0	89.71	359.68	10,302.0	2,563.8	265.0	2,569.2	0.00	0.00	0.00
13,300.0	89.71	359.68	10,302.5	2,663.8	264.4	2,669.1	0.00	0.00	0.00
13,400.0	89.71	359.68	10,303.0	2,763.8	263.9	2,769.1	0.00	0.00	0.00
13,500.0	89.71	359.68	10,303.5	2,863.8	263.3	2,869.0	0.00	0.00	0.00
13,600.0	89.71	359.68	10,304.0	2,963.8	262.8	2,969.0	0.00	0.00	0.00
13,700.0	89.71	359.68	10,304.5	3,063.8	262.2	3,069.0	0.00	0.00	0.00
13,800.0	89.71	359.68	10,305.0	3,163.8	261.7	3,168.9	0.00	0.00	0.00
13,900.0	89.71	359.68	10,305.5	3,263.8	261.1	3,268.9	0.00	0.00	0.00
14,000.0	89.71	359.68	10,306.0	3,363.8	260.5	3,368.8	0.00	0.00	0.00
14,100.0	89.71	359.68	10,306.6	3,463.8	260.0	3,468.8	0.00	0.00	0.00
14,200.0	89.71	359.68	10,307.1	3,563.8	259.4	3,568.8	0.00	0.00	0.00
14,300.0	89.71	359.68	10,307.6	3,663.8	258.9	3,668.7	0.00	0.00	0.00
14,400.0	89.71	359.68	10,308.1	3,763.8	258.3	3,768.7	0.00	0.00	0.00
14,500.0	89.71	359.68	10,308.6	3,863.7	257.8	3,868.6	0.00	0.00	0.00
14,600.0	89.71	359.68	10,309.1	3,963.7	257.2	3,968.6	0.00	0.00	0.00
14,700.0	89.71	359.68	10,309.6	4,063.7	256.6	4,068.5	0.00	0.00	0.00
14,800.0	89.71	359.68	10,310.1	4,163.7	256.1	4,168.5	0.00	0.00	0.00
14,900.0	89.71	359.68	10,310.6	4,263.7	255.5	4,268.5	0.00	0.00	0.00
15,000.0	89.71	359.68	10,311.1	4,363.7	255.0	4,368.4	0.00	0.00	0.00
15,100.0	89.71	359.68	10,311.7	4,463.7	254.4	4,468.4	0.00	0.00	0.00
15,200.0	89.71	359.68	10,312.2	4,563.7	253.9	4,568.3	0.00	0.00	0.00
15,300.0	89.71	359.68	10,312.7	4,663.7	253.3	4,668.3	0.00	0.00	0.00
15,400.0	89.71	359.68	10,313.2	4,763.7	252.8	4,768.3	0.00	0.00	0.00
15,500.0	89.71	359.68	10,313.7	4,863.7	252.2	4,868.2	0.00	0.00	0.00
15,600.0	89.71	359.68	10,314.2	4,963.7	251.6	4,968.2	0.00	0.00	0.00
15,700.0	89.71	359.68	10,314.7	5,063.7	251.1	5,068.1	0.00	0.00	0.00

Database: EDM 5000.15 Single User Db
Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 30 State Com #801H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: Well Myox 30 State Com #801H
TVD Reference: KB @ 3050.2usft (Latshaw 44)
MD Reference: KB @ 3050.2usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
15,800.0	89.71	359.68	10,315.2	5,163.7	250.5	5,168.1	0.00	0.00	0.00
15,900.0	89.71	359.68	10,315.7	5,263.7	250.0	5,268.0	0.00	0.00	0.00
16,000.0	89.71	359.68	10,316.3	5,363.7	249.4	5,368.0	0.00	0.00	0.00
16,100.0	89.71	359.68	10,316.8	5,463.7	248.9	5,468.0	0.00	0.00	0.00
16,200.0	89.71	359.68	10,317.3	5,563.7	248.3	5,567.9	0.00	0.00	0.00
16,300.0	89.71	359.68	10,317.8	5,663.7	247.7	5,667.9	0.00	0.00	0.00
16,400.0	89.71	359.68	10,318.3	5,763.7	247.2	5,767.8	0.00	0.00	0.00
16,500.0	89.71	359.68	10,318.8	5,863.7	246.6	5,867.8	0.00	0.00	0.00
16,600.0	89.71	359.68	10,319.3	5,963.7	246.1	5,967.8	0.00	0.00	0.00
16,700.0	89.71	359.68	10,319.8	6,063.7	245.5	6,067.7	0.00	0.00	0.00
16,800.0	89.71	359.68	10,320.3	6,163.7	245.0	6,167.7	0.00	0.00	0.00
16,900.0	89.71	359.68	10,320.8	6,263.7	244.4	6,267.6	0.00	0.00	0.00
17,000.0	89.71	359.68	10,321.4	6,363.7	243.8	6,367.6	0.00	0.00	0.00
17,100.0	89.71	359.68	10,321.9	6,463.7	243.3	6,467.5	0.00	0.00	0.00
17,200.0	89.71	359.68	10,322.4	6,563.7	242.7	6,567.5	0.00	0.00	0.00
17,300.0	89.71	359.68	10,322.9	6,663.7	242.2	6,667.5	0.00	0.00	0.00
17,400.0	89.71	359.68	10,323.4	6,763.7	241.6	6,767.4	0.00	0.00	0.00
17,500.0	89.71	359.68	10,323.9	6,863.7	241.1	6,867.4	0.00	0.00	0.00
17,600.0	89.71	359.68	10,324.4	6,963.7	240.5	6,967.3	0.00	0.00	0.00
17,700.0	89.71	359.68	10,324.9	7,063.7	240.0	7,067.3	0.00	0.00	0.00
17,800.0	89.71	359.68	10,325.4	7,163.7	239.4	7,167.3	0.00	0.00	0.00
17,900.0	89.71	359.68	10,325.9	7,263.7	238.8	7,267.2	0.00	0.00	0.00
18,000.0	89.71	359.68	10,326.5	7,363.6	238.3	7,367.2	0.00	0.00	0.00
18,100.0	89.71	359.68	10,327.0	7,463.6	237.7	7,467.1	0.00	0.00	0.00
18,200.0	89.71	359.68	10,327.5	7,563.6	237.2	7,567.1	0.00	0.00	0.00
18,300.0	89.71	359.68	10,328.0	7,663.6	236.6	7,667.0	0.00	0.00	0.00
18,400.0	89.71	359.68	10,328.5	7,763.6	236.1	7,767.0	0.00	0.00	0.00
18,500.0	89.71	359.68	10,329.0	7,863.6	235.5	7,867.0	0.00	0.00	0.00
18,600.0	89.71	359.68	10,329.5	7,963.6	234.9	7,966.9	0.00	0.00	0.00
18,700.0	89.71	359.68	10,330.0	8,063.6	234.4	8,066.9	0.00	0.00	0.00
18,800.0	89.71	359.68	10,330.5	8,163.6	233.8	8,166.8	0.00	0.00	0.00
18,900.0	89.71	359.68	10,331.0	8,263.6	233.3	8,266.8	0.00	0.00	0.00
19,000.0	89.71	359.68	10,331.6	8,363.6	232.7	8,366.8	0.00	0.00	0.00
19,100.0	89.71	359.68	10,332.1	8,463.6	232.2	8,466.7	0.00	0.00	0.00
19,200.0	89.71	359.68	10,332.6	8,563.6	231.6	8,566.7	0.00	0.00	0.00
19,300.0	89.71	359.68	10,333.1	8,663.6	231.0	8,666.6	0.00	0.00	0.00
19,400.0	89.71	359.68	10,333.6	8,763.6	230.5	8,766.6	0.00	0.00	0.00
19,500.0	89.71	359.68	10,334.1	8,863.6	229.9	8,866.5	0.00	0.00	0.00
19,600.0	89.71	359.68	10,334.6	8,963.6	229.4	8,966.5	0.00	0.00	0.00
19,700.0	89.71	359.68	10,335.1	9,063.6	228.8	9,066.5	0.00	0.00	0.00
19,800.0	89.71	359.68	10,335.6	9,163.6	228.3	9,166.4	0.00	0.00	0.00
19,900.0	89.71	359.68	10,336.2	9,263.6	227.7	9,266.4	0.00	0.00	0.00
20,000.0	89.71	359.68	10,336.7	9,363.6	227.1	9,366.3	0.00	0.00	0.00
20,100.0	89.71	359.68	10,337.2	9,463.6	226.6	9,466.3	0.00	0.00	0.00
20,200.0	89.71	359.68	10,337.7	9,563.6	226.0	9,566.3	0.00	0.00	0.00
20,300.0	89.71	359.68	10,338.2	9,663.6	225.5	9,666.2	0.00	0.00	0.00
20,400.0	89.71	359.68	10,338.7	9,763.6	224.9	9,766.2	0.00	0.00	0.00
20,458.0	89.71	359.68	10,339.0	9,821.6	224.6	9,824.2	0.00	0.00	0.00

TD at 20458.0

Database: EDM 5000.15 Single User Db
Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 30 State Com #801H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: Well Myox 30 State Com #801H
TVD Reference: KB @ 3050.2usft (Latshaw 44)
MD Reference: KB @ 3050.2usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Design Targets
Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Myox 30 State C - plan misses target center by 70.5usft at 10383.5usft MD (10226.6 TVD, -242.8 N, 280.6 E) - Point	0.00	0.00	10,289.0	-275.7	280.8	398,046.30	563,927.60	32° 5' 39.037 N	104° 7' 36.842 W
PBHL (Myox 30 State - plan hits target center - Rectangle (sides W60.0 H10,098.0 D20.0)	0.29	359.68	10,339.0	9,821.6	224.6	408,143.60	563,871.40	32° 7' 18.966 N	104° 7' 37.271 W
LTP (Myox 30 State C - plan misses target center by 0.7usft at 20327.9usft MD (10338.3 TVD, 9691.5 N, 225.3 E) - Point	0.00	0.00	10,339.0	9,691.5	225.3	408,013.50	563,872.10	32° 7' 17.679 N	104° 7' 37.266 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
657.0	657.0	Rustler			
2,099.0	2,099.0	TOS			
2,292.5	2,292.0	BOS (Fletcher)			
2,329.7	2,329.0	LMAR (Top Delaware)			
3,152.8	3,146.0	BYCN			
4,357.8	4,342.0	CYCN			
5,988.0	5,960.0	BYCN			
6,267.0	6,237.0	Bone Sprg (BSGL)			
6,524.0	6,492.0	U Avalon Sh			
6,912.9	6,878.0	L Avalon Sh			
7,481.2	7,444.0	FBSG_sand			
8,031.2	7,994.0	SBSG_sand			
8,718.2	8,681.0	TBSG_sand			
9,075.2	9,038.0	WFMP			
9,233.2	9,196.0	WFMP Lith			
9,452.2	9,415.0	WFMP B			
9,735.2	9,698.0	WFMP C			
10,024.2	9,977.0	WFMP D			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.0	2,000.0	0.0	0.0	NUDGE - Build 2.00
2,349.9	2,349.0	-19.0	9.7	HOLD - 4767.5 at 2349.9 MD
7,117.4	7,081.0	-536.8	272.7	DROP - -2.00
7,467.2	7,430.0	-555.8	282.4	HOLD- 2286.0 at 7467.2 MD
9,753.2	9,716.0	-555.8	282.4	KOP - DLS 10.00 TFO 359.68
10,650.3	10,289.0	14.2	279.2	EOC - 9807.7 hold at 10650.3 MD
20,458.0	10,339.0	9,821.6	224.6	TD at 20458.0



Adjusting to Grid North
True North: 6.31°
Magnetic North: 6.31°
Strength: 476.34 Gnt
DP Angle: 95.83°
Model: GPR2015

For horizontal & magnetic deviation to a 0.01° resolution, add 0.01°

Concho Resources, Inc.
Project: Eddy County (NAD27 NNE)
Site: Myot 21 State Com Sec-31, T25S, R29E
Well: Myot 30 State Com 8801H
Location: Eddy County, NM
Design: Plan #1
Lat: 32° 5' 41.771" N
Long: 104° 7' 40.101" W
Datum: NAD83
KB: KB @ 3050 East (Lathrop 44)

WELL DETAILS: Myot 30 State Com 8801H			
	North	East	Depth
0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0
2.0	0.0	0.0	0.0
3.0	0.0	0.0	0.0
4.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0
6.0	0.0	0.0	0.0
7.0	0.0	0.0	0.0
8.0	0.0	0.0	0.0
9.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0
11.0	0.0	0.0	0.0
12.0	0.0	0.0	0.0
13.0	0.0	0.0	0.0
14.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0
16.0	0.0	0.0	0.0
17.0	0.0	0.0	0.0
18.0	0.0	0.0	0.0
19.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0
21.0	0.0	0.0	0.0
22.0	0.0	0.0	0.0
23.0	0.0	0.0	0.0
24.0	0.0	0.0	0.0
25.0	0.0	0.0	0.0
26.0	0.0	0.0	0.0
27.0	0.0	0.0	0.0
28.0	0.0	0.0	0.0
29.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0
31.0	0.0	0.0	0.0
32.0	0.0	0.0	0.0
33.0	0.0	0.0	0.0
34.0	0.0	0.0	0.0
35.0	0.0	0.0	0.0
36.0	0.0	0.0	0.0
37.0	0.0	0.0	0.0
38.0	0.0	0.0	0.0
39.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0
41.0	0.0	0.0	0.0
42.0	0.0	0.0	0.0
43.0	0.0	0.0	0.0
44.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0
46.0	0.0	0.0	0.0
47.0	0.0	0.0	0.0
48.0	0.0	0.0	0.0
49.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0
51.0	0.0	0.0	0.0
52.0	0.0	0.0	0.0
53.0	0.0	0.0	0.0
54.0	0.0	0.0	0.0
55.0	0.0	0.0	0.0
56.0	0.0	0.0	0.0
57.0	0.0	0.0	0.0
58.0	0.0	0.0	0.0
59.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0
61.0	0.0	0.0	0.0
62.0	0.0	0.0	0.0
63.0	0.0	0.0	0.0
64.0	0.0	0.0	0.0
65.0	0.0	0.0	0.0
66.0	0.0	0.0	0.0
67.0	0.0	0.0	0.0
68.0	0.0	0.0	0.0
69.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0
71.0	0.0	0.0	0.0
72.0	0.0	0.0	0.0
73.0	0.0	0.0	0.0
74.0	0.0	0.0	0.0
75.0	0.0	0.0	0.0
76.0	0.0	0.0	0.0
77.0	0.0	0.0	0.0
78.0	0.0	0.0	0.0
79.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0
81.0	0.0	0.0	0.0
82.0	0.0	0.0	0.0
83.0	0.0	0.0	0.0
84.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0
86.0	0.0	0.0	0.0
87.0	0.0	0.0	0.0
88.0	0.0	0.0	0.0
89.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0
91.0	0.0	0.0	0.0
92.0	0.0	0.0	0.0
93.0	0.0	0.0	0.0
94.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0
96.0	0.0	0.0	0.0
97.0	0.0	0.0	0.0
98.0	0.0	0.0	0.0
99.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0

SECTION DETAILS			
MD	INC	ALJ	TVD
0.0	0.0	0.0	0.0
1.0	0.0	0.0	0.0
2.0	0.0	0.0	0.0
3.0	0.0	0.0	0.0
4.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0
6.0	0.0	0.0	0.0
7.0	0.0	0.0	0.0
8.0	0.0	0.0	0.0
9.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0
11.0	0.0	0.0	0.0
12.0	0.0	0.0	0.0
13.0	0.0	0.0	0.0
14.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0
16.0	0.0	0.0	0.0
17.0	0.0	0.0	0.0
18.0	0.0	0.0	0.0
19.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0
21.0	0.0	0.0	0.0
22.0	0.0	0.0	0.0
23.0	0.0	0.0	0.0
24.0	0.0	0.0	0.0
25.0	0.0	0.0	0.0
26.0	0.0	0.0	0.0
27.0	0.0	0.0	0.0
28.0	0.0	0.0	0.0
29.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0
31.0	0.0	0.0	0.0
32.0	0.0	0.0	0.0
33.0	0.0	0.0	0.0
34.0	0.0	0.0	0.0
35.0	0.0	0.0	0.0
36.0	0.0	0.0	0.0
37.0	0.0	0.0	0.0
38.0	0.0	0.0	0.0
39.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0
41.0	0.0	0.0	0.0
42.0	0.0	0.0	0.0
43.0	0.0	0.0	0.0
44.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0
46.0	0.0	0.0	0.0
47.0	0.0	0.0	0.0
48.0	0.0	0.0	0.0
49.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0
51.0	0.0	0.0	0.0
52.0	0.0	0.0	0.0
53.0	0.0	0.0	0.0
54.0	0.0	0.0	0.0
55.0	0.0	0.0	0.0
56.0	0.0	0.0	0.0
57.0	0.0	0.0	0.0
58.0	0.0	0.0	0.0
59.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0
61.0	0.0	0.0	0.0
62.0	0.0	0.0	0.0
63.0	0.0	0.0	0.0
64.0	0.0	0.0	0.0
65.0	0.0	0.0	0.0
66.0	0.0	0.0	0.0
67.0	0.0	0.0	0.0
68.0	0.0	0.0	0.0
69.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0
71.0	0.0	0.0	0.0
72.0	0.0	0.0	0.0
73.0	0.0	0.0	0.0
74.0	0.0	0.0	0.0
75.0	0.0	0.0	0.0
76.0	0.0	0.0	0.0
77.0	0.0	0.0	0.0
78.0	0.0	0.0	0.0
79.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0
81.0	0.0	0.0	0.0
82.0	0.0	0.0	0.0
83.0	0.0	0.0	0.0
84.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0
86.0	0.0	0.0	0.0
87.0	0.0	0.0	0.0
88.0	0.0	0.0	0.0
89.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0
91.0	0.0	0.0	0.0
92.0	0.0	0.0	0.0
93.0	0.0	0.0	0.0
94.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0
96.0	0.0	0.0	0.0
97.0	0.0	0.0	0.0
98.0	0.0	0.0	0.0
99.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0

DESIGN TARGET DETAILS			
Name	MD	INC	TVD
177 (Myot 30 State Com 8801H)	0.0	0.0	0.0
178 (Myot 30 State Com 8801H)	0.0	0.0	0.0
179 (Myot 30 State Com 8801H)	0.0	0.0	0.0
180 (Myot 30 State Com 8801H)	0.0	0.0	0.0
181 (Myot 30 State Com 8801H)	0.0	0.0	0.0
182 (Myot 30 State Com 8801H)	0.0	0.0	0.0
183 (Myot 30 State Com 8801H)	0.0	0.0	0.0
184 (Myot 30 State Com 8801H)	0.0	0.0	0.0
185 (Myot 30 State Com 8801H)	0.0	0.0	0.0
186 (Myot 30 State Com 8801H)	0.0	0.0	0.0
187 (Myot 30 State Com 8801H)	0.0	0.0	0.0
188 (Myot 30 State Com 8801H)	0.0	0.0	0.0
189 (Myot 30 State Com 8801H)	0.0	0.0	0.0
190 (Myot 30 State Com 8801H)	0.0	0.0	0.0
191 (Myot 30 State Com 8801H)	0.0	0.0	0.0
192 (Myot 30 State Com 8801H)	0.0	0.0	0.0
193 (Myot 30 State Com 8801H)	0.0	0.0	0.0
194 (Myot 30 State Com 8801H)	0.0	0.0	0.0
195 (Myot 30 State Com 8801H)	0.0	0.0	0.0
196 (Myot 30 State Com 8801H)	0.0	0.0	0.0
197 (Myot 30 State Com 8801H)	0.0	0.0	0.0
198 (Myot 30 State Com 8801H)	0.0	0.0	0.0
199 (Myot 30 State Com 8801H)	0.0	0.0	0.0
200 (Myot 30 State Com 8801H)	0.0	0.0	0.0

DESIGN TARGET DETAILS			
Target	MD	INC	TVD
177 (Myot 30 State Com 8801H)	0.0	0.0	0.0
178 (Myot 30 State Com 8801H)	0.0	0.0	0.0
179 (Myot 30 State Com 8801H)	0.0	0.0	0.0
180 (Myot 30 State Com 8801H)	0.0	0.0	0.0
181 (Myot 30 State Com 8801H)	0.0	0.0	0.0
182 (Myot 30 State Com 8801H)	0.0	0.0	0.0
183 (Myot 30 State Com 8801H)	0.0	0.0	0.0
184 (Myot 30 State Com 8801H)	0.0	0.0	0.0
185 (Myot 30 State Com 8801H)	0.0	0.0	0.0
186 (Myot 30 State Com 8801H)	0.0	0.0	0.0
187 (Myot 30 State Com 8801H)	0.0	0.0	0.0
188 (Myot 30 State Com 8801H)	0.0	0.0	0.0
189 (Myot 30 State Com 8801H)	0.0	0.0	0.0
190 (Myot 30 State Com 8801H)	0.0	0.0	0.0
191 (Myot 30 State Com 8801H)	0.0	0.0	0.0
192 (Myot 30 State Com 8801H)	0.0	0.0	0.0
193 (Myot 30 State Com 8801H)	0.0	0.0	0.0
194 (Myot 30 State Com 8801H)	0.0	0.0	0.0
195 (Myot 30 State Com 8801H)	0.0	0.0	0.0
196 (Myot 30 State Com 8801H)	0.0	0.0	0.0
197 (Myot 30 State Com 8801H)	0.0	0.0	0.0
198 (Myot 30 State Com 8801H)	0.0	0.0	0.0
199 (Myot 30 State Com 8801H)	0.0	0.0	0.0
200 (Myot 30 State Com 8801H)	0.0	0.0	0.0

