

**NM OIL CONSERVATION
ARTESIA DISTRICT**

MAY 16 2018

RECEIVED

Concho Resources, Inc.

**Eddy County (NAD27 NME)
(Myox 21 State Com) Sec-21_T-25-S_R28-E
Myox 21 State Com #58H**

OWB

Plan: Plan #1

Standard Planning Report

15 May, 2018

INTREPID



Intrepid
Planning Report



Database: EDM 5000.1 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 21 State Com #58H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference: Well Myox 21 State Com #58H
TVD Reference: KB @ 2991.5usft (Precision 106)
MD Reference: KB @ 2991.5usft (Precision 106)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Project Eddy County (NAD27 NME)

Map System: US State Plane 1927 (Exact solution)
Geo Datum: NAD 1927 (NADCON CONUS)
Map Zone: New Mexico East 3001

System Datum: Mean Sea Level

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

Site Position:	Northing: 403,784.88 usft	Latitude: 32° 6' 35.644 N
From: Map	Easting: 573,058.41 usft	Longitude: 104° 5' 50.552 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.13 °

Well Myox 21 State Com #58H

Well Position	+N/-S -51.3 usft	Northing: 403,733.54 usft	Latitude: 32° 6' 35.058 N
	+E/-W 3,516.2 usft	Easting: 576,574.58 usft	Longitude: 104° 5' 9.671 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 2,962.5 usft

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	05/14/18	7.09	59.86	47,725.58635813

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	2.96

Plan Survey Tool Program Date 05/15/18

Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,456.9	Plan #1 (OWB)	MWD OWSG MWD - Standard



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Well Myox 21 State Com #58H
KB @ 2991.5usft (Precision 106)
KB @ 2991.5usft (Precision 106)
Grid
Minimum Curvature

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,050.0	1.00	140.79	1,050.0	-0.3	0.3	2.00	2.00	0.00	140.79	
3,050.0	1.00	140.79	3,049.7	-27.4	22.3	0.00	0.00	0.00	0.00	
3,197.4	3.95	140.79	3,196.9	-32.3	26.4	2.00	2.00	0.00	0.00	
9,715.9	3.95	140.79	9,700.0	-380.0	310.0	0.00	0.00	0.00	0.00	
9,913.3	0.00	0.00	9,897.2	-385.3	314.3	2.00	-2.00	-71.34	-180.00	
9,970.1	0.00	0.00	9,954.0	-385.3	314.3	0.00	0.00	0.00	0.00	
10,718.4	89.80	16.39	10,431.5	71.2	448.6	12.00	12.00	0.00	16.39	
11,128.1	89.80	0.00	10,432.9	475.4	506.8	4.00	0.00	-4.00	-90.04	
20,456.9	89.80	0.00	10,466.0	9,804.1	506.9	0.00	0.00	0.00	0.00	PBHL (Myox 21 Sta



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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
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
NUDGE - Build 2.00									
1,050.0	1.00	140.79	1,050.0	-0.3	0.3	-0.3	2.00	2.00	0.00
HOLD - 2000.0 at 1050.0 MD									
1,100.0	1.00	140.79	1,100.0	-1.0	0.8	-1.0	0.00	0.00	0.00
1,200.0	1.00	140.79	1,200.0	-2.4	1.9	-2.3	0.00	0.00	0.00
1,300.0	1.00	140.79	1,300.0	-3.7	3.0	-3.6	0.00	0.00	0.00
1,400.0	1.00	140.79	1,399.9	-5.1	4.1	-4.9	0.00	0.00	0.00
1,500.0	1.00	140.79	1,499.9	-6.4	5.2	-6.1	0.00	0.00	0.00
1,600.0	1.00	140.79	1,599.9	-7.8	6.3	-7.4	0.00	0.00	0.00
1,700.0	1.00	140.79	1,699.9	-9.1	7.4	-8.7	0.00	0.00	0.00
1,800.0	1.00	140.79	1,799.9	-10.5	8.6	-10.0	0.00	0.00	0.00
1,900.0	1.00	140.79	1,899.9	-11.8	9.7	-11.3	0.00	0.00	0.00
2,000.0	1.00	140.79	1,999.9	-13.2	10.8	-12.6	0.00	0.00	0.00
2,100.0	1.00	140.79	2,099.8	-14.5	11.9	-13.9	0.00	0.00	0.00
2,200.0	1.00	140.79	2,199.8	-15.9	13.0	-15.2	0.00	0.00	0.00
2,300.0	1.00	140.79	2,299.8	-17.2	14.1	-16.5	0.00	0.00	0.00
2,400.0	1.00	140.79	2,399.8	-18.6	15.2	-17.8	0.00	0.00	0.00
2,500.0	1.00	140.79	2,499.8	-19.9	16.3	-19.1	0.00	0.00	0.00
2,600.0	1.00	140.79	2,599.8	-21.3	17.4	-20.4	0.00	0.00	0.00
2,700.0	1.00	140.79	2,699.7	-22.7	18.5	-21.7	0.00	0.00	0.00
2,800.0	1.00	140.79	2,799.7	-24.0	19.6	-23.0	0.00	0.00	0.00
2,900.0	1.00	140.79	2,899.7	-25.4	20.7	-24.3	0.00	0.00	0.00
3,000.0	1.00	140.79	2,999.7	-26.7	21.8	-25.5	0.00	0.00	0.00
3,050.0	1.00	140.79	3,049.7	-27.4	22.3	-26.2	0.00	0.00	0.00
NUDGE - DLS 2.00 TFO 0.00									
3,100.0	2.00	140.79	3,099.7	-28.4	23.2	-27.2	2.00	2.00	0.00
3,197.4	3.95	140.79	3,196.9	-32.3	26.4	-30.9	2.00	2.00	0.00
HOLD - 6518.6 at 3197.4 MD									
3,200.0	3.95	140.79	3,199.5	-32.5	26.5	-31.0	0.00	0.00	0.00
3,300.0	3.95	140.79	3,299.3	-37.8	30.8	-36.1	0.00	0.00	0.00
3,400.0	3.95	140.79	3,399.1	-43.1	35.2	-41.2	0.00	0.00	0.00
3,500.0	3.95	140.79	3,498.8	-48.5	39.5	-46.3	0.00	0.00	0.00
3,600.0	3.95	140.79	3,598.6	-53.8	43.9	-51.4	0.00	0.00	0.00
3,700.0	3.95	140.79	3,698.3	-59.1	48.2	-56.6	0.00	0.00	0.00
3,800.0	3.95	140.79	3,798.1	-64.5	52.6	-61.7	0.00	0.00	0.00
3,900.0	3.95	140.79	3,897.9	-69.8	56.9	-66.8	0.00	0.00	0.00
4,000.0	3.95	140.79	3,997.6	-75.1	61.3	-71.9	0.00	0.00	0.00
4,100.0	3.95	140.79	4,097.4	-80.5	65.6	-77.0	0.00	0.00	0.00
4,200.0	3.95	140.79	4,197.2	-85.8	70.0	-82.1	0.00	0.00	0.00
4,300.0	3.95	140.79	4,296.9	-91.1	74.3	-87.2	0.00	0.00	0.00
4,400.0	3.95	140.79	4,396.7	-96.5	78.7	-92.3	0.00	0.00	0.00
4,500.0	3.95	140.79	4,496.4	-101.8	83.0	-97.4	0.00	0.00	0.00
4,600.0	3.95	140.79	4,596.2	-107.1	87.4	-102.5	0.00	0.00	0.00



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KB @ 2991.5usft (Precision 106)
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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)
4,700.0	3.95	140.79	4,696.0	-112.5	91.7	-107.6	0.00	0.00	0.00
4,800.0	3.95	140.79	4,795.7	-117.8	96.1	-112.7	0.00	0.00	0.00
4,900.0	3.95	140.79	4,895.5	-123.1	100.4	-117.8	0.00	0.00	0.00
5,000.0	3.95	140.79	4,995.3	-128.5	104.8	-122.9	0.00	0.00	0.00
5,100.0	3.95	140.79	5,095.0	-133.8	109.1	-128.0	0.00	0.00	0.00
5,200.0	3.95	140.79	5,194.8	-139.1	113.5	-133.1	0.00	0.00	0.00
5,300.0	3.95	140.79	5,294.6	-144.5	117.9	-138.2	0.00	0.00	0.00
5,400.0	3.95	140.79	5,394.3	-149.8	122.2	-143.3	0.00	0.00	0.00
5,500.0	3.95	140.79	5,494.1	-155.1	126.6	-148.4	0.00	0.00	0.00
5,600.0	3.95	140.79	5,593.8	-160.5	130.9	-153.5	0.00	0.00	0.00
5,700.0	3.95	140.79	5,693.6	-165.8	135.3	-158.6	0.00	0.00	0.00
5,800.0	3.95	140.79	5,793.4	-171.1	139.6	-163.7	0.00	0.00	0.00
5,900.0	3.95	140.79	5,893.1	-176.5	144.0	-168.8	0.00	0.00	0.00
6,000.0	3.95	140.79	5,992.9	-181.8	148.3	-173.9	0.00	0.00	0.00
6,100.0	3.95	140.79	6,092.7	-187.1	152.7	-179.0	0.00	0.00	0.00
6,200.0	3.95	140.79	6,192.4	-192.5	157.0	-184.1	0.00	0.00	0.00
6,300.0	3.95	140.79	6,292.2	-197.8	161.4	-189.2	0.00	0.00	0.00
6,400.0	3.95	140.79	6,391.9	-203.1	165.7	-194.3	0.00	0.00	0.00
6,500.0	3.95	140.79	6,491.7	-208.5	170.1	-199.4	0.00	0.00	0.00
6,600.0	3.95	140.79	6,591.5	-213.8	174.4	-204.5	0.00	0.00	0.00
6,700.0	3.95	140.79	6,691.2	-219.1	178.8	-209.6	0.00	0.00	0.00
6,800.0	3.95	140.79	6,791.0	-224.5	183.1	-214.7	0.00	0.00	0.00
6,900.0	3.95	140.79	6,890.8	-229.8	187.5	-219.8	0.00	0.00	0.00
7,000.0	3.95	140.79	6,990.5	-235.1	191.8	-224.9	0.00	0.00	0.00
7,100.0	3.95	140.79	7,090.3	-240.5	196.2	-230.0	0.00	0.00	0.00
7,200.0	3.95	140.79	7,190.0	-245.8	200.5	-235.1	0.00	0.00	0.00
7,300.0	3.95	140.79	7,289.8	-251.1	204.9	-240.2	0.00	0.00	0.00
7,400.0	3.95	140.79	7,389.6	-256.5	209.2	-245.3	0.00	0.00	0.00
7,500.0	3.95	140.79	7,489.3	-261.8	213.6	-250.4	0.00	0.00	0.00
7,600.0	3.95	140.79	7,589.1	-267.1	217.9	-255.5	0.00	0.00	0.00
7,700.0	3.95	140.79	7,688.9	-272.5	222.3	-260.6	0.00	0.00	0.00
7,800.0	3.95	140.79	7,788.6	-277.8	226.6	-265.7	0.00	0.00	0.00
7,900.0	3.95	140.79	7,888.4	-283.1	231.0	-270.8	0.00	0.00	0.00
8,000.0	3.95	140.79	7,988.1	-288.5	235.3	-275.9	0.00	0.00	0.00
8,100.0	3.95	140.79	8,087.9	-293.8	239.7	-281.0	0.00	0.00	0.00
8,200.0	3.95	140.79	8,187.7	-299.1	244.0	-286.1	0.00	0.00	0.00
8,300.0	3.95	140.79	8,287.4	-304.5	248.4	-291.2	0.00	0.00	0.00
8,400.0	3.95	140.79	8,387.2	-309.8	252.7	-296.3	0.00	0.00	0.00
8,500.0	3.95	140.79	8,487.0	-315.1	257.1	-301.4	0.00	0.00	0.00
8,600.0	3.95	140.79	8,586.7	-320.5	261.4	-306.6	0.00	0.00	0.00
8,700.0	3.95	140.79	8,686.5	-325.8	265.8	-311.7	0.00	0.00	0.00
8,800.0	3.95	140.79	8,786.2	-331.1	270.1	-316.8	0.00	0.00	0.00
8,900.0	3.95	140.79	8,886.0	-336.5	274.5	-321.9	0.00	0.00	0.00
9,000.0	3.95	140.79	8,985.8	-341.8	278.8	-327.0	0.00	0.00	0.00
9,100.0	3.95	140.79	9,085.5	-347.1	283.2	-332.1	0.00	0.00	0.00
9,200.0	3.95	140.79	9,185.3	-352.5	287.6	-337.2	0.00	0.00	0.00
9,300.0	3.95	140.79	9,285.1	-357.8	291.9	-342.3	0.00	0.00	0.00
9,400.0	3.95	140.79	9,384.8	-363.1	296.3	-347.4	0.00	0.00	0.00
9,500.0	3.95	140.79	9,484.6	-368.5	300.6	-352.5	0.00	0.00	0.00
9,600.0	3.95	140.79	9,584.4	-373.8	305.0	-357.6	0.00	0.00	0.00
9,700.0	3.95	140.79	9,684.1	-379.2	309.3	-362.7	0.00	0.00	0.00
9,715.9	3.95	140.79	9,700.0	-380.0	310.0	-363.5	0.00	0.00	0.00

DROP - DLS 2.00 TFO -180.00



Intrepid
Planning Report



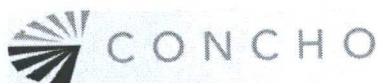
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Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,800.0	2.27	140.79	9,784.0	-383.5	312.9	-366.9	2.00	-2.00	0.00
9,900.0	0.27	140.79	9,883.9	-385.2	314.3	-368.5	2.00	-2.00	0.00
9,913.3	0.00	0.00	9,897.2	-385.3	314.3	-368.5	2.00	-2.00	-1,060.39
HOLD - 56.8 at 9913.3 MD									
9,970.1	0.00	0.00	9,954.0	-385.3	314.3	-368.5	0.00	0.00	0.00
KOP - DLS 12.00 TFO 16.39									
9,975.0	0.59	16.39	9,958.9	-385.2	314.3	-368.5	12.00	12.00	333.03
10,000.0	3.59	16.39	9,983.9	-384.4	314.6	-367.6	12.00	12.00	0.00
10,025.0	6.59	16.39	10,008.8	-382.2	315.2	-365.5	12.00	12.00	0.00
10,050.0	9.59	16.39	10,033.5	-378.9	316.2	-362.0	12.00	12.00	0.00
10,075.0	12.59	16.39	10,058.1	-374.3	317.5	-357.4	12.00	12.00	0.00
10,100.0	15.59	16.39	10,082.3	-368.4	319.3	-351.4	12.00	12.00	0.00
10,125.0	18.59	16.39	10,106.2	-361.4	321.3	-344.3	12.00	12.00	0.00
10,150.0	21.59	16.39	10,129.7	-353.1	323.7	-335.9	12.00	12.00	0.00
10,175.0	24.59	16.39	10,152.7	-343.7	326.5	-326.4	12.00	12.00	0.00
10,200.0	27.59	16.39	10,175.1	-333.2	329.6	-315.7	12.00	12.00	0.00
10,225.0	30.59	16.39	10,197.0	-321.5	333.0	-303.9	12.00	12.00	0.00
10,250.0	33.59	16.39	10,218.2	-308.8	336.8	-291.0	12.00	12.00	0.00
10,275.0	36.59	16.39	10,238.6	-295.0	340.8	-277.0	12.00	12.00	0.00
10,300.0	39.59	16.39	10,258.3	-280.2	345.2	-262.0	12.00	12.00	0.00
10,325.0	42.59	16.39	10,277.1	-264.4	349.8	-246.0	12.00	12.00	0.00
10,350.0	45.59	16.39	10,295.1	-247.7	354.7	-229.1	12.00	12.00	0.00
10,375.0	48.59	16.39	10,312.1	-230.2	359.9	-211.3	12.00	12.00	0.00
10,400.0	51.59	16.39	10,328.1	-211.8	365.3	-192.6	12.00	12.00	0.00
10,425.0	54.59	16.39	10,343.1	-192.6	371.0	-173.2	12.00	12.00	0.00
10,450.0	57.59	16.39	10,357.1	-172.7	376.8	-153.0	12.00	12.00	0.00
10,475.0	60.59	16.39	10,369.9	-152.1	382.9	-132.2	12.00	12.00	0.00
10,500.0	63.59	16.39	10,381.6	-130.9	389.1	-110.7	12.00	12.00	0.00
10,525.0	66.59	16.39	10,392.2	-109.2	395.5	-88.6	12.00	12.00	0.00
10,550.0	69.59	16.39	10,401.5	-86.9	402.0	-66.1	12.00	12.00	0.00
10,575.0	72.59	16.39	10,409.6	-64.3	408.7	-43.1	12.00	12.00	0.00
10,600.0	75.59	16.39	10,416.4	-41.2	415.5	-19.7	12.00	12.00	0.00
10,625.0	78.59	16.39	10,422.0	-17.8	422.4	4.0	12.00	12.00	0.00
10,650.0	81.59	16.39	10,426.3	5.8	429.3	28.0	12.00	12.00	0.00
10,675.0	84.59	16.39	10,429.3	29.6	436.3	52.1	12.00	12.00	0.00
10,700.0	87.59	16.39	10,431.0	53.5	443.4	76.4	12.00	12.00	0.00
10,718.4	89.80	16.39	10,431.5	71.2	448.6	94.3	12.00	12.00	0.00
EOC/TRN - DLS 4.00 TFO -90.04									
10,800.0	89.80	13.13	10,431.7	150.1	469.3	174.1	4.00	0.00	-4.00
10,900.0	89.80	9.13	10,432.1	248.2	488.6	273.1	4.00	0.00	-4.00
11,000.0	89.80	5.13	10,432.5	347.4	501.0	372.8	4.00	0.00	-4.00
11,100.0	89.80	1.13	10,432.8	447.2	506.5	472.8	4.00	0.00	-4.00
11,128.1	89.80	0.00	10,432.9	475.4	506.8	500.9	4.00	0.00	-4.00
Start 9328.8 hold at 11128.1 MD									
11,200.0	89.80	0.00	10,433.2	547.2	506.8	572.7	0.00	0.00	0.00
11,300.0	89.80	0.00	10,433.5	647.2	506.8	672.5	0.00	0.00	0.00
11,400.0	89.80	0.00	10,433.9	747.2	506.8	772.4	0.00	0.00	0.00
11,500.0	89.80	0.00	10,434.2	847.2	506.8	872.3	0.00	0.00	0.00
11,600.0	89.80	0.00	10,434.6	947.2	506.8	972.1	0.00	0.00	0.00
11,700.0	89.80	0.00	10,434.9	1,047.2	506.8	1,072.0	0.00	0.00	0.00
11,800.0	89.80	0.00	10,435.3	1,147.2	506.8	1,171.8	0.00	0.00	0.00
11,900.0	89.80	0.00	10,435.7	1,247.2	506.8	1,271.7	0.00	0.00	0.00
12,000.0	89.80	0.00	10,436.0	1,347.2	506.8	1,371.6	0.00	0.00	0.00



Intrepid
Planning Report



Database: EDM 5000.1 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 21 State Com #58H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Myox 21 State Com #58H
KB @ 2991.5usft (Precision 106)
KB @ 2991.5usft (Precision 106)
Grid
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)
12,100.0	89.80	0.00	10,436.4	1,447.2	506.8	1,471.4	0.00	0.00	0.00
12,200.0	89.80	0.00	10,436.7	1,547.2	506.8	1,571.3	0.00	0.00	0.00
12,300.0	89.80	0.00	10,437.1	1,647.2	506.8	1,671.2	0.00	0.00	0.00
12,400.0	89.80	0.00	10,437.4	1,747.2	506.8	1,771.0	0.00	0.00	0.00
12,500.0	89.80	0.00	10,437.8	1,847.2	506.8	1,870.9	0.00	0.00	0.00
12,600.0	89.80	0.00	10,438.1	1,947.2	506.8	1,970.8	0.00	0.00	0.00
12,700.0	89.80	0.00	10,438.5	2,047.2	506.8	2,070.6	0.00	0.00	0.00
12,800.0	89.80	0.00	10,438.8	2,147.2	506.8	2,170.5	0.00	0.00	0.00
12,900.0	89.80	0.00	10,439.2	2,247.2	506.8	2,270.4	0.00	0.00	0.00
13,000.0	89.80	0.00	10,439.6	2,347.2	506.8	2,370.2	0.00	0.00	0.00
13,100.0	89.80	0.00	10,439.9	2,447.2	506.8	2,470.1	0.00	0.00	0.00
13,200.0	89.80	0.00	10,440.3	2,547.2	506.8	2,570.0	0.00	0.00	0.00
13,300.0	89.80	0.00	10,440.6	2,647.2	506.8	2,669.8	0.00	0.00	0.00
13,400.0	89.80	0.00	10,441.0	2,747.2	506.8	2,769.7	0.00	0.00	0.00
13,500.0	89.80	0.00	10,441.3	2,847.2	506.8	2,869.6	0.00	0.00	0.00
13,600.0	89.80	0.00	10,441.7	2,947.2	506.8	2,969.4	0.00	0.00	0.00
13,700.0	89.80	0.00	10,442.0	3,047.2	506.8	3,069.3	0.00	0.00	0.00
13,800.0	89.80	0.00	10,442.4	3,147.2	506.8	3,169.2	0.00	0.00	0.00
13,900.0	89.80	0.00	10,442.7	3,247.2	506.8	3,269.0	0.00	0.00	0.00
14,000.0	89.80	0.00	10,443.1	3,347.2	506.8	3,368.9	0.00	0.00	0.00
14,100.0	89.80	0.00	10,443.5	3,447.2	506.8	3,468.8	0.00	0.00	0.00
14,200.0	89.80	0.00	10,443.8	3,547.2	506.8	3,568.6	0.00	0.00	0.00
14,300.0	89.80	0.00	10,444.2	3,647.2	506.8	3,668.5	0.00	0.00	0.00
14,400.0	89.80	0.00	10,444.5	3,747.2	506.8	3,768.4	0.00	0.00	0.00
14,500.0	89.80	0.00	10,444.9	3,847.2	506.8	3,868.2	0.00	0.00	0.00
14,600.0	89.80	0.00	10,445.2	3,947.2	506.8	3,968.1	0.00	0.00	0.00
14,700.0	89.80	0.00	10,445.6	4,047.2	506.8	4,068.0	0.00	0.00	0.00
14,800.0	89.80	0.00	10,445.9	4,147.2	506.8	4,167.8	0.00	0.00	0.00
14,900.0	89.80	0.00	10,446.3	4,247.2	506.8	4,267.7	0.00	0.00	0.00
15,000.0	89.80	0.00	10,446.6	4,347.2	506.8	4,367.6	0.00	0.00	0.00
15,100.0	89.80	0.00	10,447.0	4,447.2	506.8	4,467.4	0.00	0.00	0.00
15,200.0	89.80	0.00	10,447.4	4,547.2	506.8	4,567.3	0.00	0.00	0.00
15,300.0	89.80	0.00	10,447.7	4,647.2	506.8	4,667.2	0.00	0.00	0.00
15,400.0	89.80	0.00	10,448.1	4,747.2	506.8	4,767.0	0.00	0.00	0.00
15,500.0	89.80	0.00	10,448.4	4,847.2	506.8	4,866.9	0.00	0.00	0.00
15,600.0	89.80	0.00	10,448.8	4,947.2	506.8	4,966.8	0.00	0.00	0.00
15,700.0	89.80	0.00	10,449.1	5,047.2	506.8	5,066.6	0.00	0.00	0.00
15,800.0	89.80	0.00	10,449.5	5,147.2	506.8	5,166.5	0.00	0.00	0.00
15,900.0	89.80	0.00	10,449.8	5,247.2	506.8	5,266.4	0.00	0.00	0.00
16,000.0	89.80	0.00	10,450.2	5,347.2	506.8	5,366.2	0.00	0.00	0.00
16,100.0	89.80	0.00	10,450.5	5,447.2	506.8	5,466.1	0.00	0.00	0.00
16,200.0	89.80	0.00	10,450.9	5,547.2	506.8	5,566.0	0.00	0.00	0.00
16,300.0	89.80	0.00	10,451.3	5,647.2	506.8	5,665.8	0.00	0.00	0.00
16,400.0	89.80	0.00	10,451.6	5,747.2	506.8	5,765.7	0.00	0.00	0.00
16,500.0	89.80	0.00	10,452.0	5,847.2	506.8	5,865.6	0.00	0.00	0.00
16,600.0	89.80	0.00	10,452.3	5,947.2	506.8	5,965.4	0.00	0.00	0.00
16,700.0	89.80	0.00	10,452.7	6,047.2	506.8	6,065.3	0.00	0.00	0.00
16,800.0	89.80	0.00	10,453.0	6,147.2	506.8	6,165.2	0.00	0.00	0.00
16,900.0	89.80	0.00	10,453.4	6,247.2	506.8	6,265.0	0.00	0.00	0.00
17,000.0	89.80	0.00	10,453.7	6,347.2	506.8	6,364.9	0.00	0.00	0.00
17,100.0	89.80	0.00	10,454.1	6,447.2	506.8	6,464.8	0.00	0.00	0.00
17,200.0	89.80	0.00	10,454.4	6,547.2	506.8	6,564.6	0.00	0.00	0.00
17,300.0	89.80	0.00	10,454.8	6,647.2	506.8	6,664.5	0.00	0.00	0.00
17,400.0	89.80	0.00	10,455.2	6,747.2	506.8	6,764.3	0.00	0.00	0.00



Intrepid
Planning Report



Database: EDM 5000.1 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 21 State Com #58H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Myox 21 State Com #58H
KB @ 2991.5usft (Precision 106)
KB @ 2991.5usft (Precision 106)
Grid
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)
17,500.0	89.80	0.00	10,455.5	6,847.2	506.8	6,864.2	0.00	0.00	0.00
17,600.0	89.80	0.00	10,455.9	6,947.2	506.9	6,964.1	0.00	0.00	0.00
17,700.0	89.80	0.00	10,456.2	7,047.2	506.9	7,063.9	0.00	0.00	0.00
17,800.0	89.80	0.00	10,456.6	7,147.2	506.9	7,163.8	0.00	0.00	0.00
17,900.0	89.80	0.00	10,456.9	7,247.2	506.9	7,263.7	0.00	0.00	0.00
18,000.0	89.80	0.00	10,457.3	7,347.2	506.9	7,363.5	0.00	0.00	0.00
18,100.0	89.80	0.00	10,457.6	7,447.2	506.9	7,463.4	0.00	0.00	0.00
18,200.0	89.80	0.00	10,458.0	7,547.2	506.9	7,563.3	0.00	0.00	0.00
18,300.0	89.80	0.00	10,458.3	7,647.2	506.9	7,663.1	0.00	0.00	0.00
18,400.0	89.80	0.00	10,458.7	7,747.2	506.9	7,763.0	0.00	0.00	0.00
18,500.0	89.80	0.00	10,459.1	7,847.2	506.9	7,862.9	0.00	0.00	0.00
18,600.0	89.80	0.00	10,459.4	7,947.2	506.9	7,962.7	0.00	0.00	0.00
18,700.0	89.80	0.00	10,459.8	8,047.2	506.9	8,062.6	0.00	0.00	0.00
18,800.0	89.80	0.00	10,460.1	8,147.2	506.9	8,162.5	0.00	0.00	0.00
18,900.0	89.80	0.00	10,460.5	8,247.2	506.9	8,262.3	0.00	0.00	0.00
19,000.0	89.80	0.00	10,460.8	8,347.2	506.9	8,362.2	0.00	0.00	0.00
19,100.0	89.80	0.00	10,461.2	8,447.2	506.9	8,462.1	0.00	0.00	0.00
19,200.0	89.80	0.00	10,461.5	8,547.2	506.9	8,561.9	0.00	0.00	0.00
19,300.0	89.80	0.00	10,461.9	8,647.2	506.9	8,661.8	0.00	0.00	0.00
19,400.0	89.80	0.00	10,462.3	8,747.2	506.9	8,761.7	0.00	0.00	0.00
19,500.0	89.80	0.00	10,462.6	8,847.2	506.9	8,861.5	0.00	0.00	0.00
19,600.0	89.80	0.00	10,463.0	8,947.2	506.9	8,961.4	0.00	0.00	0.00
19,700.0	89.80	0.00	10,463.3	9,047.2	506.9	9,061.3	0.00	0.00	0.00
19,800.0	89.80	0.00	10,463.7	9,147.2	506.9	9,161.1	0.00	0.00	0.00
19,900.0	89.80	0.00	10,464.0	9,247.2	506.9	9,261.0	0.00	0.00	0.00
20,000.0	89.80	0.00	10,464.4	9,347.2	506.9	9,360.9	0.00	0.00	0.00
20,100.0	89.80	0.00	10,464.7	9,447.2	506.9	9,460.7	0.00	0.00	0.00
20,200.0	89.80	0.00	10,465.1	9,547.2	506.9	9,560.6	0.00	0.00	0.00
20,300.0	89.80	0.00	10,465.4	9,647.2	506.9	9,660.5	0.00	0.00	0.00
20,400.0	89.80	0.00	10,465.8	9,747.2	506.9	9,760.3	0.00	0.00	0.00
20,456.9	89.80	0.00	10,466.0	9,804.1	506.9	9,817.2	0.00	0.00	0.00

TD at 20456.9

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
FTP (Myox 21 State C	0.00	0.00	10,426.0	-257.4	507.9	403,476.13	577,082.46	32° 6' 32.499 N	104° 5' 3.773 W
- plan misses target center by 170.6usft at 10450.0usft MD (10357.1 TVD, -172.7 N, 376.8 E)									
- Point									
PBHL (Myox 21 State	0.20	359.99	10,466.0	9,804.1	506.9	413,537.63	577,081.47	32° 8' 12.072 N	104° 5' 3.514 W
- plan hits target center									
- Rectangle (sides W60.0 H10,190.0 D20.0)									



Intrepid
Planning Report



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Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 21 State Com #58H
Wellbore: OWB
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:

Well Myox 21 State Com #58H
KB @ 2991.5usft (Precision 106)
KB @ 2991.5usft (Precision 106)
Grid
Minimum Curvature

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,000.0	1,000.0	0.0	0.0	NUDGE - Build 2.00
1,050.0	1,050.0	-0.3	0.3	HOLD - 2000.0 at 1050.0 MD
3,050.0	3,049.7	-27.4	22.3	NUDGE - DLS 2.00 TFO 0.00
3,197.4	3,196.9	-32.3	26.4	HOLD - 6518.6 at 3197.4 MD
9,715.9	9,700.0	-380.0	310.0	DROP - DLS 2.00 TFO -180.00
9,913.3	9,897.2	-385.3	314.3	HOLD - 56.8 at 9913.3 MD
9,970.1	9,954.0	-385.3	314.3	KOP - DLS 12.00 TFO 16.39
10,718.4	10,431.5	71.2	448.6	EOC/TRN - DLS 4.00 TFO -90.04
11,128.1	10,432.9	475.4	506.8	Start 9328.8 hold at 11128.1 MD
20,456.9	10,466.0	9,804.1	506.9	TD at 20456.9



Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21, T-25-S, R28-E
Well: Myox 21 State Com #58H
Wellbore: OWB
Design: Plan #1
Lat: 32° 6' 35.058 N
Long: 104° 5' 9.671 W
Pad GL: 2982.5
KB: KB @ 2991.5usft (Precision 106)

