

RECEIVED

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-8161 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 RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS
Santa Fe, New Mexico 87505

JAN 03 2020

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☒ AMENDED REPORT

AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-45752		Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 40178	Property Name MYOX 30 STATE COM		Well Number 801H
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 3025.2'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	30	25-S	28-E		600	SOUTH	2160	WEST	EDDY

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
C	19	25-S	28-E		201	NORTH	2435	WEST	EDDY

Dedicated Acres 1282.72	Joint or Infill	Consolidation Code	Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

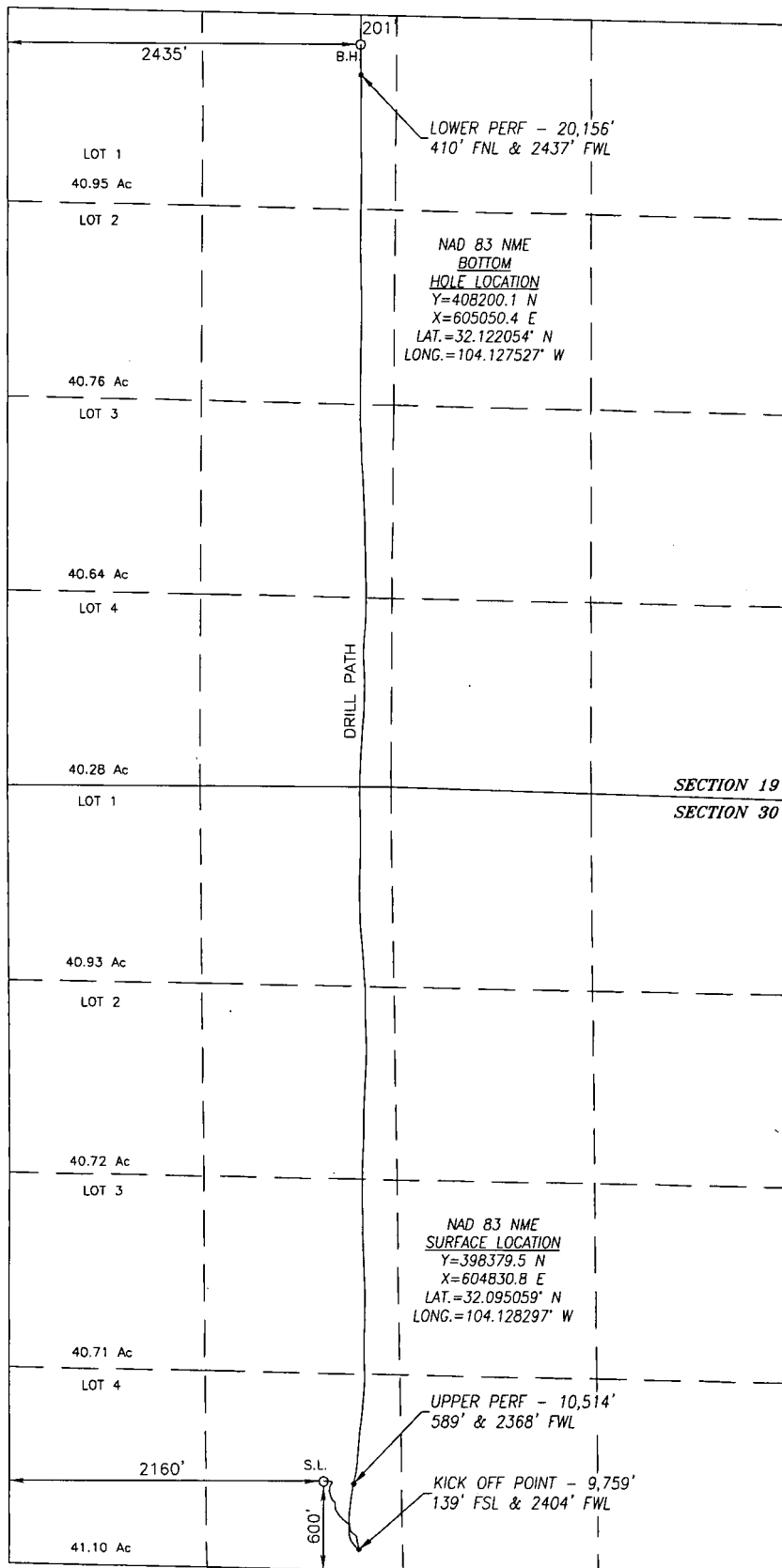
SEE PAGE 2

PAGE 1 OF 2

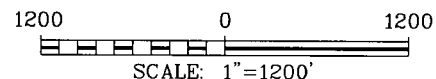
W.O. #19-2272

DRAWN BY: WN

Property Code 40178	Property Name MYOX 30 STATE COM	Well Number 801H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3025.2'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE MYOX 30 STATE COM #801H SUPPLIED TO HARCROW SURVEYING, LLC ON DECEMBER 6, 2019



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Amanda Avery 12/16/19
Signature Date

Amanda Avery

Printed Name

aavery@concho.com

E-mail Address

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.

JAN. 15, 2019/AUG. 26, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 12/13/19
Certificate No. CHAD HARCROW 17777

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DISTRICT 7/ARTESIA O.C.D.

Intent ☐ As Drilled ☒ XAPI #
30-015-45752Operator Name:
COG OPERATING, LLCProperty Name:
MYOX 30 STATE COMWell Number
801H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	30	25S	28E		139	SOUTH	2404	WEST	EDDY
Latitude					Longitude			NAD	
32.093776					-104.127508			83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
N	30	25S	28E		589	SOUTH	2368	WEST	EDDY
Latitude					Longitude			NAD	
32.095016					-104.127625			83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	19	25S	28E		410	NORTH	2437	WEST	EDDY
Latitude					Longitude			NAD	
32.121480					-104.127518			83	

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

☒ Yes

Is this well an infill well?

☐

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

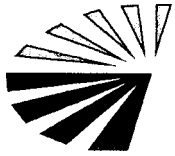
API #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018



C O N C H O

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JAN 03 2020

DISTRICT 7 - ARTESIA O.C.D.

Concho Resources, Inc.

Eddy County (NAD27 NME)

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

Myox 30 State Com #801H

OWB

Design: AWB

Standard Survey Report

09 July, 2019

INTREPID

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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	0.0 usft	Northing: 398,322.00 usft
	+E/-W	0.0 usft	Easting: 563,646.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 5' 41.771 N
		Longitude:	104° 7' 40.101 W
		Ground Level:	3,025.2 usft

Wellbore	OWB		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2019/02/13	7.02	59.83	47,634.91803348

Design	AWB		
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Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		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

Survey Program		Date	2019/07/09	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	9,454.0	SDI Gyro (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
9,633.0	20,365.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS	MWD + IFR1 + Multi-Station Correction

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.25	52.06	100.0	0.1	0.2	0.1	0.25	0.25	0.00
125.0	0.28	69.69	125.0	0.2	0.3	0.2	0.35	0.12	70.52
150.0	0.53	64.82	150.0	0.3	0.4	0.3	1.01	1.00	-19.48
175.0	0.35	63.60	175.0	0.3	0.6	0.4	0.72	-0.72	-4.88
200.0	0.35	60.45	200.0	0.4	0.7	0.4	0.08	0.00	-12.60
225.0	0.45	67.94	225.0	0.5	0.9	0.5	0.45	0.40	29.96
250.0	0.45	66.69	250.0	0.6	1.1	0.6	0.04	0.00	-5.00
275.0	0.46	69.13	275.0	0.6	1.3	0.7	0.09	0.04	9.76
300.0	0.50	75.12	300.0	0.7	1.5	0.7	0.26	0.16	23.96

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
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Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
325.0	0.78	85.27	325.0	0.7	1.7	0.8	1.20	1.12	40.60
350.0	0.81	89.21	350.0	0.8	2.1	0.8	0.25	0.12	15.76
375.0	0.90	89.42	375.0	0.8	2.5	0.8	0.36	0.36	0.84
400.0	0.91	90.41	400.0	0.8	2.9	0.8	0.07	0.04	3.96
425.0	0.93	88.97	425.0	0.8	3.3	0.8	0.12	0.08	-5.76
450.0	0.97	85.65	450.0	0.8	3.7	0.9	0.27	0.16	-13.28
475.0	1.09	87.20	475.0	0.8	4.1	0.9	0.49	0.48	6.20
500.0	1.02	86.37	500.0	0.8	4.6	0.9	0.29	-0.28	-3.32
525.0	0.85	94.78	525.0	0.8	5.0	1.0	0.87	-0.68	33.64
550.0	0.93	83.36	550.0	0.8	5.4	1.0	0.78	0.32	-45.68
575.0	1.28	98.68	575.0	0.8	5.8	1.0	1.82	1.40	61.28
600.0	1.32	90.37	600.0	0.8	6.4	0.9	0.77	0.16	-33.24
625.0	1.42	90.35	624.9	0.8	7.0	0.9	0.40	0.40	-0.08
650.0	1.59	88.96	649.9	0.8	7.7	1.0	0.70	0.68	-5.56
657.1	1.53	88.92	657.0	0.8	7.9	1.0	0.80	-0.80	-0.54
Rustler									
675.0	1.39	88.81	674.9	0.8	8.3	1.0	0.80	-0.80	-0.62
700.0	1.35	87.28	699.9	0.8	8.9	1.0	0.22	-0.16	-6.12
725.0	1.33	90.76	724.9	0.8	9.5	1.0	0.34	-0.08	13.92
750.0	1.45	91.78	749.9	0.8	10.1	1.0	0.49	0.48	4.08
775.0	1.40	91.49	774.9	0.8	10.7	1.0	0.20	-0.20	-1.16
800.0	1.63	83.83	799.9	0.8	11.4	1.1	1.22	0.92	-30.64
825.0	1.36	87.36	824.9	0.9	12.0	1.2	1.14	-1.08	14.12
850.0	1.37	93.67	849.9	0.9	12.6	1.2	0.60	0.04	25.24
875.0	1.49	92.93	874.9	0.8	13.3	1.1	0.49	0.48	-2.96
900.0	1.24	85.63	899.9	0.8	13.8	1.2	1.22	-1.00	-29.20
925.0	1.45	86.24	924.9	0.9	14.4	1.2	0.84	0.84	2.44
950.0	1.29	92.12	949.8	0.9	15.0	1.2	0.85	-0.64	23.52
975.0	1.21	93.47	974.8	0.9	15.6	1.2	0.34	-0.32	5.40
1,000.0	1.22	98.81	999.8	0.8	16.1	1.2	0.45	0.04	21.36
1,025.0	1.23	95.09	1,024.8	0.7	16.6	1.1	0.32	0.04	-14.88
1,050.0	1.26	97.46	1,049.8	0.7	17.2	1.1	0.24	0.12	9.48
1,075.0	1.17	94.25	1,074.8	0.6	17.7	1.0	0.45	-0.36	-12.84
1,100.0	1.19	94.53	1,099.8	0.6	18.2	1.0	0.08	0.08	1.12
1,125.0	1.17	94.99	1,124.8	0.6	18.7	1.0	0.09	-0.08	1.84
1,150.0	1.30	101.12	1,149.8	0.5	19.3	0.9	0.74	0.52	24.52
1,175.0	1.35	105.04	1,174.8	0.3	19.8	0.8	0.41	0.20	15.68
1,200.0	1.33	98.56	1,199.8	0.2	20.4	0.7	0.61	-0.08	-25.92
1,225.0	1.32	101.48	1,224.8	0.1	21.0	0.6	0.27	-0.04	11.68
1,250.0	1.34	98.37	1,249.8	0.0	21.5	0.5	0.30	0.08	-12.44
1,275.0	1.45	97.89	1,274.8	-0.1	22.1	0.4	0.44	0.44	-1.92
1,300.0	1.53	95.69	1,299.8	-0.1	22.8	0.4	0.39	0.32	-8.80
1,325.0	1.59	93.43	1,324.7	-0.2	23.5	0.3	0.34	0.24	-9.04

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
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Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)	
1,350.0	1.59	93.64	1,349.7	-0.2	24.1	0.3	0.02	0.00	0.84	
1,375.0	1.55	91.03	1,374.7	-0.3	24.8	0.3	0.33	-0.16	-10.44	
1,400.0	1.49	91.47	1,399.7	-0.3	25.5	0.3	0.24	-0.24	1.76	
1,425.0	1.46	94.47	1,424.7	-0.3	26.1	0.3	0.33	-0.12	12.00	
1,450.0	1.51	90.91	1,449.7	-0.3	26.8	0.3	0.42	0.20	-14.24	
1,475.0	1.47	90.05	1,474.7	-0.3	27.4	0.3	0.18	-0.16	-3.44	
1,500.0	1.35	81.67	1,499.7	-0.3	28.0	0.3	0.95	-0.48	-33.52	
1,525.0	1.82	56.17	1,524.7	0.0	28.7	0.6	3.35	1.88	-102.00	
1,550.0	1.35	67.14	1,549.7	0.3	29.3	1.0	2.23	-1.88	43.88	
1,575.0	1.25	70.14	1,574.7	0.5	29.8	1.2	0.48	-0.40	12.00	
1,600.0	1.18	75.44	1,599.7	0.7	30.3	1.4	0.53	-0.28	21.20	
1,625.0	1.31	74.58	1,624.7	0.8	30.8	1.5	0.53	0.52	-3.44	
1,650.0	1.26	74.49	1,649.6	0.9	31.4	1.7	0.20	-0.20	-0.36	
1,675.0	1.36	74.83	1,674.6	1.1	31.9	1.8	0.40	0.40	1.36	
1,700.0	1.39	77.45	1,699.6	1.2	32.5	2.0	0.28	0.12	10.48	
1,725.0	1.91	84.82	1,724.6	1.3	33.2	2.1	2.24	2.08	29.48	
1,750.0	2.34	91.09	1,749.6	1.4	34.1	2.2	1.95	1.72	25.08	
1,775.0	3.12	92.76	1,774.6	1.3	35.3	2.1	3.14	3.12	6.68	
1,800.0	3.26	96.98	1,799.5	1.2	36.7	2.1	1.09	0.56	16.88	
1,825.0	4.09	100.75	1,824.5	1.0	38.3	1.8	3.46	3.32	15.08	
1,850.0	4.31	103.38	1,849.4	0.6	40.1	1.5	1.17	0.88	10.52	
1,875.0	4.50	103.36	1,874.3	0.1	42.0	1.1	0.76	0.76	-0.08	
1,900.0	4.43	104.45	1,899.3	-0.3	43.8	0.7	0.44	-0.28	4.36	
1,925.0	4.45	103.45	1,924.2	-0.8	45.7	0.2	0.32	0.08	-4.00	
1,950.0	4.54	104.19	1,949.1	-1.3	47.6	-0.2	0.43	0.36	2.96	
1,975.0	4.45	103.85	1,974.0	-1.7	49.5	-0.6	0.38	-0.36	-1.36	
2,000.0	4.36	104.47	1,999.0	-2.2	51.4	-1.0	0.41	-0.36	2.48	
2,025.0	4.10	106.01	2,023.9	-2.7	53.2	-1.5	1.13	-1.04	6.16	
2,050.0	3.92	102.89	2,048.8	-3.1	54.9	-1.9	1.13	-0.72	-12.48	
2,075.0	3.82	107.10	2,073.8	-3.6	56.5	-2.3	1.20	-0.40	16.84	
2,100.0	3.77	107.24	2,098.7	-4.1	58.1	-2.7	0.20	-0.20	0.56	
2,100.3	3.76	107.25	2,099.0	-4.1	58.1	-2.7	2.25	-2.24	3.38	
TOS										
2,125.0	3.21	108.23	2,123.7	-4.5	59.5	-3.2	2.25	-2.24	3.97	
2,150.0	2.46	105.25	2,148.6	-4.9	60.7	-3.5	3.06	-3.00	-11.92	
2,175.0	1.66	113.72	2,173.6	-5.2	61.5	-3.8	3.42	-3.20	33.88	
2,200.0	1.01	124.76	2,198.6	-5.4	62.1	-4.0	2.78	-2.60	44.16	
2,225.0	0.67	144.20	2,223.6	-5.7	62.3	-4.3	1.76	-1.36	77.76	
2,250.0	0.80	179.52	2,248.6	-6.0	62.4	-4.5	1.85	0.52	141.28	
2,275.0	1.41	199.82	2,273.6	-6.4	62.3	-5.0	2.86	2.44	81.20	
2,293.4	1.86	206.27	2,292.0	-6.9	62.1	-5.5	2.66	2.46	35.04	
BOS (Fletcher)										
2,300.0	2.03	207.87	2,298.6	-7.1	62.0	-5.7	2.66	2.52	24.29	
2,325.0	1.92	214.34	2,323.6	-7.9	61.6	-6.4	0.99	-0.44	25.88	



Intrepid
Survey Report



Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2,330.4	2.11	214.67	2,329.0	-8.0	61.4	-6.6	3.52	3.52	6.05
LMAR (Top Delaware)									
2,350.0	2.80	215.48	2,348.6	-8.7	61.0	-7.3	3.52	3.52	4.15
2,375.0	2.92	221.08	2,373.5	-9.7	60.2	-8.3	1.22	0.48	22.40
2,400.0	3.42	218.27	2,398.5	-10.7	59.3	-9.4	2.09	2.00	-11.24
2,425.0	4.10	214.05	2,423.4	-12.1	58.3	-10.7	2.93	2.72	-16.88
2,450.0	4.30	216.32	2,448.4	-13.6	57.3	-12.3	1.04	0.80	9.08
2,475.0	4.56	215.00	2,473.3	-15.1	56.2	-13.8	1.12	1.04	-5.28
2,500.0	4.88	214.07	2,498.2	-16.8	55.0	-15.6	1.32	1.28	-3.72
2,525.0	5.18	212.38	2,523.1	-18.7	53.8	-17.4	1.34	1.20	-6.76
2,550.0	5.26	212.18	2,548.0	-20.6	52.6	-19.4	0.33	0.32	-0.80
2,575.0	5.21	212.19	2,572.9	-22.5	51.4	-21.3	0.20	-0.20	0.04
2,600.0	5.25	211.52	2,597.8	-24.5	50.2	-23.3	0.29	0.16	-2.68
2,625.0	5.22	211.91	2,622.7	-26.4	49.0	-25.3	0.19	-0.12	1.56
2,650.0	5.31	211.14	2,647.6	-28.3	47.8	-27.3	0.46	0.36	-3.08
2,675.0	5.50	206.36	2,672.5	-30.4	46.6	-29.3	1.95	0.76	-19.12
2,700.0	4.87	206.00	2,697.4	-32.4	45.6	-31.4	2.52	-2.52	-1.44
2,725.0	4.92	205.64	2,722.3	-34.4	44.7	-33.3	0.23	0.20	-1.44
2,750.0	4.64	204.69	2,747.2	-36.2	43.8	-35.2	1.16	-1.12	-3.80
2,775.0	4.93	198.99	2,772.1	-38.2	43.1	-37.2	2.23	1.16	-22.80
2,800.0	4.39	198.38	2,797.0	-40.1	42.4	-39.1	2.17	-2.16	-2.44
2,825.0	4.12	199.23	2,822.0	-41.9	41.8	-40.9	1.11	-1.08	3.40
2,850.0	3.94	197.07	2,846.9	-43.5	41.3	-42.6	0.94	-0.72	-8.64
2,875.0	3.78	194.00	2,871.8	-45.2	40.8	-44.2	1.05	-0.64	-12.28
2,900.0	3.65	192.43	2,896.8	-46.7	40.4	-45.8	0.66	-0.52	-6.28
2,925.0	3.52	189.45	2,921.7	-48.3	40.1	-47.3	0.91	-0.52	-11.92
2,950.0	3.81	182.67	2,946.7	-49.8	40.0	-48.9	2.08	1.16	-27.12
2,975.0	3.77	182.06	2,971.6	-51.5	39.9	-50.6	0.23	-0.16	-2.44
3,000.0	3.94	180.92	2,996.6	-53.2	39.9	-52.3	0.75	0.68	-4.56
3,025.0	3.91	179.90	3,021.5	-54.9	39.9	-54.0	0.30	-0.12	-4.08
3,050.0	4.18	173.78	3,046.5	-56.6	40.0	-55.7	2.04	1.08	-24.48
3,075.0	4.28	171.69	3,071.4	-58.5	40.2	-57.5	0.73	0.40	-8.36
3,100.0	4.59	170.30	3,096.3	-60.4	40.5	-59.4	1.31	1.24	-5.56
3,125.0	4.70	169.04	3,121.2	-62.4	40.9	-61.4	0.60	0.44	-5.04
3,149.8	4.53	167.89	3,146.0	-64.3	41.3	-63.4	0.78	-0.68	-4.64
BYCN									
3,150.0	4.53	167.88	3,146.2	-64.3	41.3	-63.4	0.78	-0.68	-4.81
3,175.0	4.66	168.10	3,171.1	-66.3	41.7	-65.3	0.52	0.52	0.88
3,200.0	4.72	167.76	3,196.0	-68.3	42.1	-67.3	0.26	0.24	-1.36
3,225.0	4.80	166.94	3,220.9	-70.3	42.6	-69.3	0.42	0.32	-3.28
3,250.0	4.92	166.05	3,245.8	-72.4	43.0	-71.4	0.57	0.48	-3.56
3,275.0	4.90	166.18	3,270.7	-74.5	43.6	-73.5	0.09	-0.08	0.52
3,300.0	5.09	165.76	3,295.6	-76.6	44.1	-75.6	0.77	0.76	-1.68



Intrepid
Survey Report



Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,325.0	5.05	165.81	3,320.5	-78.7	44.6	-77.7	0.16	-0.16	0.20
3,350.0	5.12	165.42	3,345.4	-80.9	45.2	-79.8	0.31	0.28	-1.56
3,375.0	5.13	165.24	3,370.3	-83.0	45.7	-82.0	0.08	0.04	-0.72
3,400.0	5.08	165.58	3,395.2	-85.2	46.3	-84.1	0.23	-0.20	1.36
3,425.0	5.27	165.26	3,420.1	-87.4	46.9	-86.3	0.77	0.76	-1.28
3,450.0	5.23	165.01	3,445.0	-89.6	47.5	-88.5	0.18	-0.16	-1.00
3,475.0	5.14	165.01	3,469.9	-91.8	48.0	-90.6	0.36	-0.36	0.00
3,500.0	5.29	164.77	3,494.8	-93.9	48.6	-92.8	0.61	0.60	-0.96
3,525.0	5.35	164.42	3,519.7	-96.2	49.3	-95.0	0.27	0.24	-1.40
3,550.0	5.24	164.15	3,544.6	-98.4	49.9	-97.2	0.45	-0.44	-1.08
3,575.0	5.30	164.21	3,569.5	-100.6	50.5	-99.4	0.24	0.24	0.24
3,600.0	5.34	163.31	3,594.4	-102.8	51.2	-101.6	0.37	0.16	-3.60
3,625.0	5.46	163.67	3,619.3	-105.1	51.8	-103.9	0.50	0.48	1.44
3,650.0	5.64	160.43	3,644.2	-107.4	52.6	-106.2	1.45	0.72	-12.96
3,675.0	5.51	157.60	3,669.1	-109.7	53.4	-108.4	1.22	-0.52	-11.32
3,700.0	5.29	159.07	3,693.9	-111.8	54.3	-110.6	1.04	-0.88	5.88
3,725.0	5.13	159.59	3,718.8	-114.0	55.1	-112.7	0.67	-0.64	2.08
3,750.0	5.07	159.40	3,743.7	-116.1	55.9	-114.7	0.25	-0.24	-0.76
3,775.0	5.05	155.32	3,768.6	-118.1	56.7	-116.8	1.44	-0.08	-16.32
3,800.0	4.87	149.87	3,793.5	-120.0	57.7	-118.7	2.02	-0.72	-21.80
3,825.0	4.76	146.14	3,818.5	-121.8	58.8	-120.4	1.33	-0.44	-14.92
3,850.0	4.72	143.03	3,843.4	-123.5	60.0	-122.1	1.04	-0.16	-12.44
3,875.0	4.75	139.13	3,868.3	-125.1	61.3	-123.6	1.29	0.12	-15.60
3,900.0	4.74	133.95	3,893.2	-126.6	62.8	-125.1	1.71	-0.04	-20.72
3,925.0	4.65	128.96	3,918.1	-127.9	64.3	-126.4	1.67	-0.36	-19.96
3,950.0	4.76	128.34	3,943.0	-129.2	65.9	-127.7	0.48	0.44	-2.48
3,975.0	4.68	127.14	3,967.9	-130.5	67.5	-128.9	0.51	-0.32	-4.80
4,000.0	4.64	122.08	3,992.9	-131.6	69.2	-130.0	1.65	-0.16	-20.24
4,025.0	4.50	121.95	4,017.8	-132.7	70.9	-131.0	0.56	-0.56	-0.52
4,050.0	3.59	121.77	4,042.7	-133.6	72.4	-131.9	3.64	-3.64	-0.72
4,075.0	3.38	120.70	4,067.7	-134.4	73.7	-132.7	0.88	-0.84	-4.28
4,100.0	3.04	119.79	4,092.6	-135.1	74.9	-133.4	1.38	-1.36	-3.64
4,125.0	3.08	118.12	4,117.6	-135.7	76.0	-134.0	0.39	0.16	-6.68
4,150.0	2.63	118.79	4,142.6	-136.3	77.1	-134.5	1.80	-1.80	2.68
4,175.0	2.39	123.64	4,167.5	-136.9	78.1	-135.1	1.28	-0.96	19.40
4,200.0	2.11	125.79	4,192.5	-137.5	78.9	-135.6	1.17	-1.12	8.60
4,225.0	2.18	132.69	4,217.5	-138.1	79.6	-136.2	1.07	0.28	27.60
4,250.0	2.14	134.30	4,242.5	-138.7	80.3	-136.8	0.29	-0.16	6.44
4,275.0	2.12	145.79	4,267.5	-139.4	80.9	-137.5	1.71	-0.08	45.96
4,300.0	2.03	159.61	4,292.5	-140.2	81.3	-138.3	2.03	-0.36	55.28
4,325.0	2.09	160.79	4,317.4	-141.1	81.6	-139.1	0.29	0.24	4.72
4,349.6	2.37	165.86	4,342.0	-142.0	81.9	-140.1	1.41	1.16	20.64
CYCN									
4,350.0	2.38	165.94	4,342.4	-142.0	81.9	-140.1	1.41	1.19	18.11

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,375.0	2.64	171.45	4,367.4	-143.1	82.1	-141.1	1.42	1.04	22.04	
4,400.0	2.89	175.54	4,392.4	-144.3	82.2	-142.3	1.27	1.00	16.36	
4,425.0	2.95	177.76	4,417.3	-145.5	82.3	-143.6	0.51	0.24	8.88	
4,450.0	3.17	180.08	4,442.3	-146.9	82.3	-144.9	1.01	0.88	9.28	
4,475.0	3.39	182.60	4,467.3	-148.3	82.3	-146.4	1.05	0.88	10.08	
4,500.0	3.88	183.12	4,492.2	-149.9	82.2	-148.0	1.96	1.96	2.08	
4,525.0	4.11	183.53	4,517.2	-151.6	82.1	-149.7	0.93	0.92	1.64	
4,550.0	4.13	183.48	4,542.1	-153.4	82.0	-151.5	0.08	0.08	-0.20	
4,575.0	4.37	181.57	4,567.0	-155.3	81.9	-153.3	1.11	0.96	-7.64	
4,600.0	5.02	181.11	4,591.9	-157.3	81.9	-155.4	2.60	2.60	-1.84	
4,625.0	4.90	181.56	4,616.8	-159.5	81.8	-157.6	0.50	-0.48	1.80	
4,650.0	5.09	179.46	4,641.7	-161.6	81.8	-159.7	1.05	0.76	-8.40	
4,675.0	5.24	177.85	4,666.6	-163.9	81.9	-162.0	0.83	0.60	-6.44	
4,700.0	5.38	177.57	4,691.5	-166.2	81.9	-164.3	0.57	0.56	-1.12	
4,725.0	5.63	176.31	4,716.4	-168.6	82.1	-166.7	1.11	1.00	-5.04	
4,750.0	5.68	175.31	4,741.3	-171.1	82.3	-169.1	0.44	0.20	-4.00	
4,775.0	5.92	172.65	4,766.2	-173.6	82.5	-171.6	1.44	0.96	-10.64	
4,800.0	5.81	171.42	4,791.0	-176.1	82.9	-174.2	0.67	-0.44	-4.92	
4,825.0	5.94	170.35	4,815.9	-178.6	83.3	-176.7	0.68	0.52	-4.28	
4,850.0	6.70	169.43	4,840.8	-181.3	83.8	-179.4	3.07	3.04	-3.68	
4,875.0	6.18	167.00	4,865.6	-184.1	84.3	-182.1	2.35	-2.08	-9.72	
4,900.0	5.97	164.57	4,890.5	-186.6	85.0	-184.6	1.33	-0.84	-9.72	
4,925.0	6.14	163.35	4,915.3	-189.2	85.7	-187.2	0.85	0.68	-4.88	
4,950.0	6.13	161.99	4,940.2	-191.7	86.5	-189.7	0.58	-0.04	-5.44	
4,975.0	6.00	158.22	4,965.0	-194.2	87.4	-192.2	1.68	-0.52	-15.08	
5,000.0	6.64	157.02	4,989.9	-196.7	88.5	-194.7	2.61	2.56	-4.80	
5,025.0	6.55	155.48	5,014.7	-199.4	89.6	-197.3	0.79	-0.36	-6.16	
5,050.0	6.59	153.69	5,039.6	-202.0	90.8	-199.8	0.83	0.16	-7.16	
5,075.0	6.89	152.21	5,064.4	-204.6	92.2	-202.4	1.39	1.20	-5.92	
5,100.0	7.21	149.90	5,089.2	-207.3	93.7	-205.1	1.71	1.28	-9.24	
5,125.0	7.50	147.59	5,114.0	-210.0	95.3	-207.8	1.66	1.16	-9.24	
5,150.0	7.13	147.34	5,138.8	-212.7	97.0	-210.4	1.49	-1.48	-1.00	
5,175.0	7.07	146.38	5,163.6	-215.3	98.7	-213.0	0.53	-0.24	-3.84	
5,200.0	7.07	145.33	5,188.4	-217.8	100.4	-215.5	0.52	0.00	-4.20	
5,225.0	7.23	142.10	5,213.2	-220.3	102.3	-217.9	1.73	0.64	-12.92	
5,250.0	7.03	139.57	5,238.0	-222.7	104.2	-220.3	1.49	-0.80	-10.12	
5,275.0	6.89	139.78	5,262.8	-225.0	106.2	-222.5	0.57	-0.56	0.84	
5,300.0	6.88	137.77	5,287.7	-227.3	108.2	-224.8	0.96	-0.04	-8.04	
5,325.0	7.39	135.62	5,312.5	-229.5	110.3	-227.0	2.30	2.04	-8.60	
5,350.0	7.11	135.52	5,337.3	-231.8	112.5	-229.2	1.12	-1.12	-0.40	
5,375.0	6.92	135.65	5,362.1	-234.0	114.7	-231.3	0.76	-0.76	0.52	
5,400.0	6.92	135.86	5,386.9	-236.1	116.8	-233.4	0.10	0.00	0.84	
5,425.0	7.05	135.81	5,411.7	-238.3	118.9	-235.5	0.52	0.52	-0.20	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
5,450.0	7.10	136.24	5,436.5	-240.5	121.0	-237.7	0.29	0.20	1.72
5,475.0	7.10	135.82	5,461.3	-242.8	123.2	-239.9	0.21	0.00	-1.68
5,500.0	6.88	134.58	5,486.1	-244.9	125.3	-242.0	1.07	-0.88	-4.96
5,525.0	6.96	135.14	5,511.0	-247.0	127.4	-244.1	0.42	0.32	2.24
5,550.0	7.09	135.12	5,535.8	-249.2	129.6	-246.2	0.52	0.52	-0.08
5,575.0	7.29	135.34	5,560.6	-251.4	131.8	-248.3	0.81	0.80	0.88
5,600.0	8.11	136.62	5,585.3	-253.8	134.1	-250.7	3.35	3.28	5.12
5,625.0	8.17	136.04	5,610.1	-256.4	136.6	-253.2	0.41	0.24	-2.32
5,650.0	8.47	133.33	5,634.8	-258.9	139.1	-255.7	1.97	1.20	-10.84
5,675.0	8.83	133.00	5,659.5	-261.5	141.9	-258.2	1.45	1.44	-1.32
5,700.0	9.47	131.54	5,684.2	-264.2	144.8	-260.8	2.72	2.56	-5.84
5,725.0	9.48	131.44	5,708.9	-266.9	147.9	-263.5	0.08	0.04	-0.40
5,750.0	9.25	132.36	5,733.6	-269.6	150.9	-266.1	1.10	-0.92	3.68
5,775.0	8.90	131.75	5,758.2	-272.3	153.9	-268.7	1.45	-1.40	-2.44
5,800.0	8.92	131.10	5,782.9	-274.8	156.8	-271.2	0.41	0.08	-2.60
5,825.0	8.08	129.98	5,807.7	-277.2	159.6	-273.5	3.42	-3.36	-4.48
5,850.0	7.25	128.60	5,832.4	-279.3	162.2	-275.6	3.40	-3.32	-5.52
5,875.0	6.40	125.02	5,857.3	-281.1	164.5	-277.3	3.80	-3.40	-14.32
5,900.0	5.61	122.70	5,882.1	-282.6	166.7	-278.7	3.31	-3.16	-9.28
5,925.0	4.95	121.45	5,907.0	-283.8	168.6	-279.9	2.68	-2.64	-5.00
5,950.0	4.30	121.05	5,931.9	-284.9	170.4	-280.9	2.60	-2.60	-1.60
5,975.0	3.64	119.30	5,956.9	-285.7	171.9	-281.7	2.68	-2.64	-7.00
5,978.1	3.58	118.80	5,960.0	-285.8	172.0	-281.8	2.23	-1.99	-15.94
BYCN									
6,000.0	3.15	114.77	5,981.8	-286.4	173.2	-282.4	2.23	-1.95	-18.43
6,025.0	2.77	112.96	6,006.8	-286.9	174.4	-282.9	1.57	-1.52	-7.24
6,050.0	2.65	117.15	6,031.8	-287.4	175.4	-283.3	0.93	-0.48	16.76
6,075.0	2.26	113.58	6,056.7	-287.9	176.4	-283.8	1.67	-1.56	-14.28
6,100.0	1.95	117.70	6,081.7	-288.3	177.2	-284.2	1.38	-1.24	16.48
6,125.0	1.72	123.01	6,106.7	-288.7	177.9	-284.5	1.14	-0.92	21.24
6,150.0	1.55	130.36	6,131.7	-289.1	178.5	-285.0	1.08	-0.68	29.40
6,175.0	1.74	148.57	6,156.7	-289.7	178.9	-285.5	2.21	0.76	72.84
6,200.0	2.22	172.50	6,181.7	-290.5	179.2	-286.3	3.78	1.92	95.72
6,225.0	2.53	172.63	6,206.7	-291.5	179.3	-287.3	1.24	1.24	0.52
6,250.0	3.04	176.63	6,231.6	-292.7	179.5	-288.5	2.18	2.04	16.00
6,255.4	3.14	177.57	6,237.0	-293.0	179.5	-288.8	2.15	1.94	17.55
Bone Sprg (BSGL)									
6,275.0	3.53	180.54	6,256.6	-294.1	179.5	-289.9	2.15	1.97	15.12
6,300.0	3.64	181.23	6,281.5	-295.7	179.5	-291.5	0.47	0.44	2.76
6,325.0	3.96	180.99	6,306.5	-297.3	179.4	-293.2	1.28	1.28	-0.96
6,350.0	3.82	181.23	6,331.4	-299.0	179.4	-294.9	0.56	-0.56	0.96
6,375.0	3.93	181.16	6,356.4	-300.7	179.4	-296.6	0.44	0.44	-0.28
6,400.0	3.89	179.95	6,381.3	-302.4	179.3	-298.3	0.37	-0.16	-4.84
6,425.0	4.03	179.25	6,406.3	-304.2	179.4	-300.0	0.59	0.56	-2.80

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,450.0	3.88	175.17	6,431.2	-305.9	179.4	-301.7	1.28	-0.60	-16.32	
6,475.0	3.55	172.38	6,456.1	-307.5	179.6	-303.3	1.50	-1.32	-11.16	
6,500.0	3.59	171.56	6,481.1	-309.0	179.8	-304.8	0.26	0.16	-3.28	
6,510.9	3.62	170.85	6,492.0	-309.7	179.9	-305.5	0.47	0.24	-6.46	
U Avalon Sh										
6,525.0	3.65	169.96	6,506.0	-310.6	180.1	-306.4	0.47	0.24	-6.35	
6,550.0	3.75	169.96	6,531.0	-312.2	180.4	-308.0	0.40	0.40	0.00	
6,575.0	4.14	170.40	6,555.9	-313.9	180.7	-309.7	1.56	1.56	1.76	
6,600.0	3.84	169.35	6,580.9	-315.6	181.0	-311.4	1.24	-1.20	-4.20	
6,625.0	3.65	169.44	6,605.8	-317.2	181.3	-313.0	0.76	-0.76	0.36	
6,650.0	3.64	166.21	6,630.8	-318.7	181.6	-314.5	0.82	-0.04	-12.92	
6,675.0	3.17	166.74	6,655.7	-320.2	181.9	-315.9	1.88	-1.88	2.12	
6,700.0	2.55	165.72	6,680.7	-321.4	182.2	-317.2	2.49	-2.48	-4.08	
6,725.0	2.34	165.71	6,705.7	-322.4	182.5	-318.2	0.84	-0.84	-0.04	
6,750.0	2.09	165.43	6,730.7	-323.4	182.7	-319.1	1.00	-1.00	-1.12	
6,775.0	1.66	160.81	6,755.6	-324.2	183.0	-319.9	1.82	-1.72	-18.48	
6,800.0	1.96	175.04	6,780.6	-324.9	183.1	-320.7	2.15	1.20	56.92	
6,825.0	1.77	177.29	6,805.6	-325.7	183.2	-321.5	0.81	-0.76	9.00	
6,850.0	1.62	165.03	6,830.6	-326.5	183.3	-322.2	1.57	-0.60	-49.04	
6,875.0	1.59	165.92	6,855.6	-327.1	183.5	-322.9	0.16	-0.12	3.56	
6,897.4	1.37	161.44	6,878.0	-327.7	183.6	-323.4	1.09	-0.96	-20.00	
L Avalon Sh										
6,900.0	1.35	160.83	6,880.6	-327.8	183.7	-323.5	1.09	-0.94	-23.53	
6,925.0	1.28	170.12	6,905.6	-328.3	183.8	-324.0	0.90	-0.28	37.16	
6,950.0	1.16	164.78	6,930.6	-328.8	183.9	-324.5	0.66	-0.48	-21.36	
6,975.0	1.04	163.41	6,955.6	-329.3	184.0	-325.0	0.49	-0.48	-5.48	
7,000.0	0.84	154.65	6,980.6	-329.7	184.2	-325.4	0.98	-0.80	-35.04	
7,025.0	1.03	165.25	7,005.6	-330.1	184.3	-325.8	1.02	0.76	42.40	
7,050.0	0.78	172.75	7,030.6	-330.4	184.4	-326.1	1.10	-1.00	30.00	
7,075.0	0.82	179.71	7,055.6	-330.8	184.4	-326.5	0.42	0.16	27.84	
7,100.0	0.75	191.76	7,080.6	-331.1	184.4	-326.8	0.72	-0.28	48.20	
7,125.0	0.67	219.34	7,105.5	-331.4	184.3	-327.1	1.39	-0.32	110.32	
7,150.0	0.84	256.89	7,130.5	-331.6	184.0	-327.3	2.05	0.68	150.20	
7,175.0	0.55	265.91	7,155.5	-331.6	183.7	-327.3	1.24	-1.16	36.08	
7,200.0	0.52	247.48	7,180.5	-331.7	183.5	-327.4	0.70	-0.12	-73.72	
7,225.0	0.64	238.13	7,205.5	-331.8	183.3	-327.5	0.61	0.48	-37.40	
7,250.0	0.86	238.17	7,230.5	-331.9	183.0	-327.7	0.88	0.88	0.16	
7,275.0	0.84	228.42	7,255.5	-332.2	182.7	-327.9	0.58	-0.08	-39.00	
7,300.0	0.93	237.19	7,280.5	-332.4	182.4	-328.1	0.65	0.36	35.08	
7,325.0	0.87	235.77	7,305.5	-332.6	182.0	-328.4	0.26	-0.24	-5.68	
7,350.0	0.76	160.04	7,330.5	-332.9	181.9	-328.6	4.02	-0.44	-302.92	
7,375.0	2.40	117.42	7,355.5	-333.3	182.5	-329.0	7.65	6.56	-170.48	
7,400.0	3.60	118.38	7,380.5	-333.9	183.6	-329.6	4.80	4.80	3.84	
7,425.0	4.72	124.23	7,405.4	-334.8	185.2	-330.5	4.79	4.48	23.40	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,450.0	5.92	128.10	7,430.3	-336.2	187.0	-331.9	5.01	4.80	15.48
7,463.8	6.28	129.13	7,444.0	-337.1	188.2	-332.7	2.75	2.63	7.45
FBSG_sand									
7,475.0	6.58	129.88	7,455.2	-337.9	189.1	-333.5	2.75	2.65	6.71
7,500.0	6.85	130.89	7,480.0	-339.8	191.4	-335.4	1.18	1.08	4.04
7,525.0	6.75	131.22	7,504.8	-341.8	193.6	-337.3	0.43	-0.40	1.32
7,550.0	6.65	126.75	7,529.6	-343.6	195.9	-339.0	2.12	-0.40	-17.88
7,575.0	6.39	128.66	7,554.5	-345.3	198.1	-340.7	1.35	-1.04	7.64
7,600.0	6.51	128.48	7,579.3	-347.1	200.3	-342.4	0.49	0.48	-0.72
7,625.0	6.90	127.57	7,604.2	-348.9	202.6	-344.2	1.62	1.56	-3.64
7,650.0	7.63	127.11	7,629.0	-350.8	205.1	-346.0	2.93	2.92	-1.84
7,675.0	7.53	128.98	7,653.7	-352.8	207.7	-348.0	1.06	-0.40	7.48
7,700.0	7.53	128.67	7,678.5	-354.9	210.3	-350.0	0.16	0.00	-1.24
7,725.0	7.92	130.73	7,703.3	-357.0	212.8	-352.1	1.91	1.56	8.24
7,750.0	8.02	133.32	7,728.1	-359.4	215.4	-354.3	1.49	0.40	10.36
7,775.0	8.05	133.86	7,752.8	-361.8	218.0	-356.7	0.32	0.12	2.16
7,800.0	7.50	139.66	7,777.6	-364.2	220.3	-359.1	3.83	-2.20	23.20
7,825.0	7.30	144.72	7,802.4	-366.8	222.2	-361.6	2.73	-0.80	20.24
7,850.0	7.12	147.86	7,827.2	-369.4	224.0	-364.2	1.73	-0.72	12.56
7,875.0	7.29	150.75	7,852.0	-372.1	225.6	-366.8	1.60	0.68	11.56
7,900.0	7.36	157.98	7,876.8	-374.9	227.0	-369.6	3.70	0.28	28.92
7,925.0	7.07	164.02	7,901.6	-377.9	228.0	-372.6	3.25	-1.16	24.16
7,950.0	6.90	168.08	7,926.4	-380.8	228.7	-375.5	2.09	-0.68	16.24
7,975.0	6.69	170.58	7,951.2	-383.8	229.3	-378.4	1.45	-0.84	10.00
8,000.0	6.77	172.18	7,976.0	-386.6	229.7	-381.3	0.82	0.32	6.40
8,018.1	6.65	172.57	7,994.0	-388.7	230.0	-383.4	0.69	-0.64	2.15
SBSG_sand									
8,025.0	6.61	172.72	8,000.9	-389.5	230.1	-384.2	0.69	-0.64	2.20
8,050.0	6.18	173.04	8,025.7	-392.3	230.4	-386.9	1.73	-1.72	1.28
8,075.0	5.92	171.92	8,050.6	-394.9	230.8	-389.5	1.14	-1.04	-4.48
8,100.0	5.65	170.61	8,075.4	-397.4	231.2	-392.0	1.20	-1.08	-5.24
8,125.0	5.39	170.31	8,100.3	-399.8	231.6	-394.4	1.05	-1.04	-1.20
8,150.0	5.02	169.65	8,125.2	-402.0	232.0	-396.6	1.50	-1.48	-2.64
8,175.0	4.83	169.61	8,150.1	-404.1	232.3	-398.7	0.76	-0.76	-0.16
8,200.0	4.51	168.80	8,175.1	-406.1	232.7	-400.7	1.31	-1.28	-3.24
8,225.0	4.29	167.96	8,200.0	-408.0	233.1	-402.6	0.92	-0.88	-3.36
8,250.0	4.27	167.05	8,224.9	-409.8	233.5	-404.4	0.28	-0.08	-3.64
8,275.0	4.36	166.03	8,249.8	-411.6	233.9	-406.2	0.47	0.36	-4.08
8,300.0	4.61	161.27	8,274.8	-413.5	234.5	-408.1	1.79	1.00	-19.04
8,325.0	4.55	160.03	8,299.7	-415.4	235.2	-409.9	0.46	-0.24	-4.96
8,350.0	4.62	160.91	8,324.6	-417.3	235.8	-411.8	0.40	0.28	3.52
8,375.0	4.60	160.61	8,349.5	-419.2	236.5	-413.7	0.13	-0.08	-1.20
8,400.0	4.69	160.77	8,374.4	-421.1	237.2	-415.6	0.36	0.36	0.64

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,425.0	4.32	160.88	8,399.4	-422.9	237.8	-417.4	1.48	-1.48	0.44
8,450.0	4.15	161.22	8,424.3	-424.7	238.4	-419.1	0.69	-0.68	1.36
8,475.0	3.93	161.30	8,449.2	-426.4	239.0	-420.8	0.88	-0.88	0.32
8,500.0	3.76	162.09	8,474.2	-428.0	239.5	-422.4	0.71	-0.68	3.16
8,525.0	3.76	162.86	8,499.1	-429.5	240.0	-423.9	0.20	0.00	3.08
8,550.0	3.52	164.93	8,524.1	-431.0	240.4	-425.4	1.09	-0.96	8.28
8,575.0	3.27	166.96	8,549.0	-432.5	240.8	-426.9	1.11	-1.00	8.12
8,600.0	3.08	168.49	8,574.0	-433.8	241.1	-428.2	0.83	-0.76	6.12
8,625.0	3.18	170.31	8,599.0	-435.2	241.3	-429.5	0.56	0.40	7.28
8,650.0	3.10	170.21	8,623.9	-436.5	241.6	-430.9	0.32	-0.32	-0.40
8,675.0	2.98	169.29	8,648.9	-437.8	241.8	-432.2	0.52	-0.48	-3.68
8,700.0	2.84	169.62	8,673.8	-439.1	242.0	-433.4	0.56	-0.56	1.32
8,707.2	2.79	169.40	8,681.0	-439.4	242.1	-433.8	0.74	-0.72	-3.13
TBSG_sand									
8,725.0	2.66	168.80	8,698.8	-440.3	242.3	-434.6	0.74	-0.72	-3.34
8,750.0	2.49	168.04	8,723.8	-441.4	242.5	-435.7	0.69	-0.68	-3.04
8,775.0	2.84	169.20	8,748.8	-442.5	242.7	-436.8	1.42	1.40	4.64
8,800.0	2.45	165.61	8,773.7	-443.6	243.0	-437.9	1.69	-1.56	-14.36
8,825.0	2.45	170.57	8,798.7	-444.7	243.2	-439.0	0.85	0.00	19.84
8,850.0	2.40	168.82	8,823.7	-445.7	243.4	-440.0	0.36	-0.20	-7.00
8,875.0	2.31	168.40	8,848.7	-446.7	243.6	-441.0	0.37	-0.36	-1.68
8,900.0	2.34	168.79	8,873.7	-447.7	243.8	-442.0	0.14	0.12	1.56
8,925.0	2.30	168.96	8,898.6	-448.7	244.0	-443.0	0.16	-0.16	0.68
8,950.0	2.18	169.35	8,923.6	-449.7	244.2	-444.0	0.48	-0.48	1.56
8,975.0	2.11	170.11	8,948.6	-450.6	244.3	-444.9	0.30	-0.28	3.04
9,000.0	2.13	170.47	8,973.6	-451.5	244.5	-445.8	0.10	0.08	1.44
9,025.0	1.97	168.70	8,998.6	-452.4	244.6	-446.7	0.69	-0.64	-7.08
9,050.0	2.08	169.84	9,023.5	-453.2	244.8	-447.5	0.47	0.44	4.56
9,064.5	2.32	169.58	9,038.0	-453.8	244.9	-448.1	1.64	1.64	-1.81
WFMP									
9,075.0	2.49	169.42	9,048.5	-454.2	245.0	-448.5	1.64	1.64	-1.51
9,100.0	2.12	169.67	9,073.5	-455.2	245.2	-449.5	1.48	-1.48	1.00
9,125.0	2.04	171.02	9,098.5	-456.1	245.3	-450.4	0.38	-0.32	5.40
9,150.0	2.06	169.21	9,123.5	-457.0	245.5	-451.3	0.27	0.08	-7.24
9,175.0	2.06	169.40	9,148.5	-457.9	245.6	-452.1	0.03	0.00	0.76
9,200.0	2.08	169.18	9,173.4	-458.8	245.8	-453.0	0.09	0.08	-0.88
9,222.6	2.10	169.20	9,196.0	-459.6	246.0	-453.8	0.08	0.08	0.08
WFMP Lith									
9,225.0	2.10	169.20	9,198.4	-459.6	246.0	-453.9	0.07	0.07	0.07
9,250.0	2.28	164.61	9,223.4	-460.6	246.2	-454.8	1.00	0.72	-18.36
9,275.0	1.91	169.32	9,248.4	-461.5	246.4	-455.7	1.63	-1.48	18.84
9,300.0	1.68	170.30	9,273.4	-462.2	246.5	-456.5	0.93	-0.92	3.92
9,325.0	1.42	168.74	9,298.4	-462.9	246.7	-457.1	1.05	-1.04	-6.24
9,350.0	1.40	169.07	9,323.4	-463.5	246.8	-457.7	0.09	-0.08	1.32

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)	
9,375.0	1.37	167.30	9,348.4	-464.1	246.9	-458.3	0.21	-0.12	-7.08	
9,400.0	1.34	166.60	9,373.3	-464.7	247.0	-458.9	0.14	-0.12	-2.80	
9,425.0	1.35	163.63	9,398.3	-465.2	247.2	-459.5	0.28	0.04	-11.88	
9,441.7	1.25	161.08	9,415.0	-465.6	247.3	-459.8	0.70	-0.60	-15.28	
WFMP B										
9,450.0	1.20	159.65	9,423.3	-465.8	247.4	-460.0	0.70	-0.59	-17.19	
9,454.0	1.05	156.26	9,427.3	-465.8	247.4	-460.1	4.10	-3.75	-84.75	
9,633.0	0.88	174.34	9,606.3	-468.7	248.2	-462.9	0.19	-0.09	10.10	
9,724.7	2.94	316.96	9,698.0	-467.7	246.7	-461.9	4.01	2.25	155.49	
WFMP C										
9,728.0	3.07	317.32	9,701.3	-467.6	246.5	-461.8	4.01	3.97	10.88	
9,759.0	4.85	315.37	9,732.2	-466.0	245.1	-460.3	5.76	5.74	-6.29	
9,790.0	7.36	311.57	9,763.0	-463.8	242.7	-458.1	8.20	8.10	-12.26	
9,821.0	11.17	311.83	9,793.6	-460.5	238.9	-454.9	12.29	12.29	0.84	
9,853.0	15.74	310.14	9,824.7	-455.6	233.3	-450.1	14.33	14.28	-5.28	
9,883.0	18.94	313.02	9,853.4	-449.6	226.6	-444.3	11.04	10.67	9.60	
9,915.0	21.35	316.77	9,883.4	-441.8	218.8	-436.7	8.54	7.53	11.72	
9,946.0	24.39	321.90	9,912.0	-432.7	211.0	-427.8	11.72	9.81	16.55	
9,978.0	28.00	325.62	9,940.7	-421.3	202.7	-416.5	12.39	11.28	11.63	
10,009.0	30.37	330.13	9,967.7	-408.5	194.7	-403.9	10.43	7.65	14.55	
10,019.8	31.15	332.65	9,977.0	-403.6	192.0	-399.1	13.97	7.27	23.32	
WFMP D										
10,041.0	32.83	337.26	9,995.0	-393.5	187.3	-389.1	13.97	7.90	21.75	
10,072.0	35.56	343.44	10,020.6	-377.1	181.5	-372.8	14.24	8.81	19.94	
10,104.0	37.59	350.26	10,046.3	-358.5	177.2	-354.4	14.19	6.34	21.31	
10,136.0	39.82	357.72	10,071.3	-338.6	175.1	-334.6	16.15	6.97	23.31	
10,167.0	44.04	0.51	10,094.4	-317.9	174.8	-313.9	14.88	13.61	9.00	
10,199.0	47.69	2.81	10,116.7	-295.0	175.5	-290.9	12.52	11.41	7.19	
10,226.8	52.41	2.34	10,134.5	-273.7	176.4	-269.6	17.02	16.97	-1.69	
FTP @ 10226.8'MD, 330'FSL & 369.5'FEL										
10,230.0	52.95	2.29	10,136.5	-271.2	176.5	-267.1	17.02	16.97	-1.57	
10,262.0	57.69	1.62	10,154.7	-244.9	177.4	-240.8	14.91	14.81	-2.09	
10,293.0	61.46	3.09	10,170.4	-218.2	178.5	-214.0	12.83	12.16	4.74	
10,325.0	66.29	6.38	10,184.4	-189.6	180.9	-185.4	17.69	15.09	10.28	
10,357.0	68.04	7.80	10,196.9	-160.3	184.6	-156.0	6.83	5.47	4.44	
10,388.0	67.74	7.77	10,208.5	-131.8	188.5	-127.5	0.97	-0.97	-0.10	
10,420.0	69.52	8.15	10,220.2	-102.3	192.6	-97.9	5.67	5.56	1.19	
10,452.0	70.35	10.13	10,231.2	-72.7	197.4	-68.1	6.36	2.59	6.19	
10,483.0	69.76	10.51	10,241.7	-44.0	202.6	-39.3	2.22	-1.90	1.23	
10,514.0	72.98	10.65	10,251.7	-15.1	208.0	-10.4	10.40	10.39	0.45	
10,545.0	75.52	10.73	10,260.1	14.2	213.5	19.1	8.20	8.19	0.26	
10,577.0	76.30	9.93	10,267.9	44.7	219.1	49.7	3.44	2.44	-2.50	
10,608.0	82.89	7.26	10,273.5	74.9	223.6	80.0	22.88	21.26	-8.61	
10,640.0	85.49	7.39	10,276.7	106.4	227.7	111.6	8.14	8.13	0.41	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
10,671.0	84.63	6.31	10,279.4	137.1	231.4	142.4	4.44	-2.77	-3.48
10,703.0	86.99	5.07	10,281.7	168.9	234.5	174.2	8.33	7.38	-3.88
10,734.0	87.30	4.93	10,283.2	199.7	237.2	205.1	1.10	1.00	-0.45
10,766.0	88.61	4.58	10,284.4	231.6	239.9	237.0	4.24	4.09	-1.09
10,868.0	90.68	6.70	10,285.0	333.1	249.9	338.7	2.90	2.03	2.08
10,962.0	87.87	5.62	10,286.2	426.5	260.0	432.3	3.20	-2.99	-1.15
11,057.0	87.26	6.03	10,290.2	520.9	269.6	527.0	0.77	-0.64	0.43
11,151.0	87.70	3.02	10,294.4	614.5	277.0	620.7	3.23	0.47	-3.20
11,246.0	89.08	359.52	10,297.0	709.5	279.1	715.7	3.96	1.45	-3.68
11,341.0	89.80	357.17	10,298.0	804.4	276.4	810.5	2.59	0.76	-2.47
11,436.0	90.71	0.99	10,297.6	899.4	274.9	905.4	4.13	0.96	4.02
11,530.0	90.80	2.87	10,296.3	993.3	278.0	999.4	2.00	0.10	2.00
11,624.0	87.32	359.92	10,297.9	1,087.2	280.3	1,093.4	4.85	-3.70	-3.14
11,719.0	87.71	359.90	10,302.0	1,182.2	280.2	1,188.2	0.41	0.41	-0.02
11,814.0	87.39	358.54	10,306.0	1,277.1	278.9	1,283.1	1.47	-0.34	-1.43
11,909.0	90.20	357.16	10,308.0	1,372.0	275.3	1,377.9	3.30	2.96	-1.45
12,003.0	92.78	358.05	10,305.6	1,465.8	271.4	1,471.7	2.90	2.74	0.95
12,098.0	91.36	359.14	10,302.2	1,560.7	269.1	1,566.5	1.88	-1.49	1.15
12,214.0	91.34	358.50	10,299.4	1,676.7	266.7	1,682.3	0.55	-0.02	-0.55
12,309.0	90.78	357.71	10,297.7	1,771.6	263.5	1,777.2	1.02	-0.59	-0.83
12,404.0	89.97	359.36	10,297.0	1,866.6	261.1	1,872.1	1.93	-0.85	1.74
12,498.0	90.04	0.35	10,297.0	1,960.6	260.9	1,966.0	1.06	0.07	1.05
12,592.0	91.19	359.76	10,296.0	2,054.6	261.0	2,060.0	1.37	1.22	-0.63
12,687.0	90.39	0.29	10,294.7	2,149.6	261.0	2,155.0	1.01	-0.84	0.56
12,782.0	89.92	2.00	10,294.5	2,244.5	262.9	2,250.0	1.87	-0.49	1.80
12,877.0	90.18	2.66	10,294.4	2,339.5	266.8	2,344.9	0.75	0.27	0.69
12,971.0	87.84	0.35	10,296.0	2,433.4	269.2	2,438.9	3.50	-2.49	-2.46
13,066.0	90.53	1.16	10,297.4	2,528.4	270.5	2,533.9	2.96	2.83	0.85
13,159.0	92.07	2.98	10,295.2	2,621.3	273.8	2,626.8	2.56	1.66	1.96
13,254.0	87.36	2.54	10,295.7	2,716.1	278.4	2,721.8	4.98	-4.96	-0.46
13,348.0	87.35	1.36	10,300.1	2,810.0	281.6	2,815.7	1.25	-0.01	-1.26
13,442.0	88.08	0.39	10,303.8	2,903.9	283.0	2,909.6	1.29	0.78	-1.03
13,514.0	90.88	359.50	10,304.5	2,975.9	283.0	2,981.6	4.08	3.89	-1.24
13,609.0	91.76	357.49	10,302.3	3,070.8	280.5	3,076.4	2.31	0.93	-2.12
13,703.0	92.15	359.74	10,299.1	3,164.7	278.2	3,170.3	2.43	0.41	2.39
13,797.0	92.04	359.70	10,295.6	3,258.7	277.7	3,264.2	0.12	-0.12	-0.04
13,891.0	91.39	357.15	10,292.8	3,352.6	275.2	3,358.0	2.80	-0.69	-2.71
13,985.0	90.15	356.04	10,291.5	3,446.4	269.6	3,451.7	1.77	-1.32	-1.18
14,079.0	88.87	356.15	10,292.4	3,540.2	263.2	3,545.3	1.37	-1.36	0.12
14,173.0	90.53	355.91	10,292.8	3,633.9	256.7	3,638.9	1.78	1.77	-0.26
14,268.0	88.02	355.64	10,294.0	3,728.7	249.7	3,733.4	2.66	-2.64	-0.28
14,362.0	90.32	355.29	10,295.4	3,822.4	242.2	3,826.9	2.47	2.45	-0.37
14,457.0	91.06	356.91	10,294.3	3,917.1	235.8	3,921.5	1.87	0.78	1.71



Intrepid
Survey Report



Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
14,552.0	90.13	358.57	10,293.3	4,012.0	232.0	4,016.3	2.00	-0.98	1.75
14,646.0	92.03	1.30	10,291.5	4,106.0	231.9	4,110.2	3.54	2.02	2.90
14,740.0	91.32	3.81	10,288.8	4,199.9	236.1	4,204.2	2.77	-0.76	2.67
14,835.0	92.16	1.82	10,285.9	4,294.7	240.8	4,299.1	2.27	0.88	-2.09
14,930.0	89.17	359.85	10,284.8	4,389.7	242.2	4,394.1	3.77	-3.15	-2.07
15,025.0	88.52	357.57	10,286.7	4,484.6	240.0	4,488.9	2.50	-0.68	-2.40
15,119.0	91.20	357.20	10,286.9	4,578.5	235.7	4,582.7	2.88	2.85	-0.39
15,214.0	92.24	358.96	10,284.1	4,673.4	232.6	4,677.5	2.15	1.09	1.85
15,308.0	92.42	1.13	10,280.2	4,767.3	232.6	4,771.4	2.31	0.19	2.31
15,402.0	91.25	2.07	10,277.2	4,861.3	235.3	4,865.4	1.60	-1.24	1.00
15,497.0	92.15	4.37	10,274.4	4,956.1	240.6	4,960.3	2.60	0.95	2.42
15,591.0	88.45	3.50	10,273.9	5,049.8	247.0	5,054.1	4.04	-3.94	-0.93
15,686.0	89.94	3.99	10,275.3	5,144.6	253.2	5,149.0	1.65	1.57	0.52
15,780.0	91.73	4.38	10,273.9	5,238.3	260.1	5,242.9	1.95	1.90	0.41
15,917.0	91.78	1.12	10,269.7	5,375.1	266.7	5,379.8	2.38	0.04	-2.38
16,012.0	89.01	356.00	10,269.0	5,470.0	264.3	5,474.6	6.13	-2.92	-5.39
16,106.0	90.03	357.70	10,269.8	5,563.9	259.1	5,568.3	2.11	1.09	1.81
16,200.0	90.17	0.28	10,269.7	5,657.8	257.5	5,662.3	2.75	0.15	2.74
16,294.0	90.26	3.79	10,269.3	5,751.8	260.8	5,756.2	3.74	0.10	3.73
16,389.0	89.99	4.06	10,269.1	5,846.5	267.3	5,851.1	0.40	-0.28	0.28
16,483.0	90.29	2.34	10,268.9	5,940.4	272.5	5,945.1	1.86	0.32	-1.83
16,577.0	89.75	359.16	10,268.8	6,034.4	273.8	6,039.1	3.43	-0.57	-3.38
16,671.0	90.17	358.25	10,268.9	6,128.4	271.7	6,133.0	1.07	0.45	-0.97
16,765.0	90.07	359.38	10,268.7	6,222.3	269.7	6,226.9	1.21	-0.11	1.20
16,859.0	90.19	358.32	10,268.5	6,316.3	267.8	6,320.8	1.13	0.13	-1.13
16,953.0	89.17	359.42	10,269.0	6,410.3	266.0	6,414.7	1.60	-1.09	1.17
17,048.0	89.15	358.81	10,270.4	6,505.3	264.5	6,509.6	0.64	-0.02	-0.64
17,141.0	89.32	358.49	10,271.6	6,598.2	262.3	6,602.5	0.39	0.18	-0.34
17,235.0	90.08	356.66	10,272.1	6,692.1	258.3	6,696.3	2.11	0.81	-1.95
17,330.0	91.46	356.46	10,270.9	6,787.0	252.6	6,791.0	1.47	1.45	-0.21
17,424.0	91.12	357.03	10,268.7	6,880.8	247.3	6,884.6	0.71	-0.36	0.61
17,519.0	91.02	356.87	10,267.0	6,975.6	242.2	6,979.3	0.20	-0.11	-0.17
17,613.0	91.06	356.95	10,265.3	7,069.5	237.2	7,073.1	0.10	0.04	0.09
17,707.0	91.11	357.71	10,263.5	7,163.4	232.8	7,166.8	0.81	0.05	0.81
17,801.0	91.06	357.81	10,261.7	7,257.3	229.1	7,260.6	0.12	-0.05	0.11
17,895.0	91.27	359.84	10,259.8	7,351.2	227.2	7,354.5	2.17	0.22	2.16
17,989.0	91.15	0.35	10,257.8	7,445.2	227.4	7,448.5	0.56	-0.13	0.54
18,084.0	91.09	359.78	10,256.0	7,540.2	227.5	7,543.4	0.60	-0.06	-0.60
18,178.0	91.13	359.68	10,254.1	7,634.2	227.0	7,637.4	0.11	0.04	-0.11
18,272.0	91.08	1.36	10,252.3	7,728.1	227.9	7,731.3	1.79	-0.05	1.79
18,366.0	91.49	3.05	10,250.2	7,822.0	231.5	7,825.3	1.85	0.44	1.80
18,460.0	91.53	0.23	10,247.7	7,916.0	234.2	7,919.3	3.00	0.04	-3.00
18,555.0	91.01	359.17	10,245.6	8,010.9	233.7	8,014.2	1.24	-0.55	-1.12
18,649.0	89.24	359.06	10,245.4	8,104.9	232.2	8,108.1	1.89	-1.88	-0.12

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
18,744.0	89.10	358.74	10,246.8	8,199.9	230.4	8,203.0	0.37	-0.15	-0.34
18,839.0	89.54	357.86	10,247.9	8,294.8	227.6	8,297.9	1.04	0.46	-0.93
18,933.0	89.12	359.01	10,249.0	8,388.8	225.0	8,391.8	1.30	-0.45	1.22
19,028.0	90.10	0.23	10,249.7	8,483.8	224.4	8,486.7	1.65	1.03	1.28
19,122.0	90.29	0.69	10,249.4	8,577.8	225.1	8,580.7	0.53	0.20	0.49
19,217.0	90.18	1.10	10,249.0	8,672.8	226.6	8,675.7	0.45	-0.12	0.43
19,312.0	90.09	359.65	10,248.7	8,767.8	227.3	8,770.7	1.53	-0.09	-1.53
19,407.0	91.20	0.33	10,247.7	8,862.8	227.2	8,865.6	1.37	1.17	0.72
19,502.0	91.05	0.17	10,245.8	8,957.7	227.6	8,960.6	0.23	-0.16	-0.17
19,567.0	91.18	359.04	10,244.5	9,022.7	227.2	9,025.6	1.75	0.20	-1.74
19,661.0	92.40	359.03	10,241.6	9,116.7	225.6	9,119.4	1.30	1.30	-0.01
19,756.0	89.66	0.03	10,239.9	9,211.6	224.8	9,214.4	3.07	-2.88	1.05
19,851.0	88.28	359.74	10,241.6	9,306.6	224.6	9,309.3	1.48	-1.45	-0.31
19,946.0	88.82	359.94	10,244.0	9,401.6	224.4	9,404.3	0.61	0.57	0.21
20,040.0	89.14	359.50	10,245.7	9,495.6	223.9	9,498.2	0.58	0.34	-0.47
20,135.0	89.00	359.53	10,247.2	9,590.6	223.1	9,593.2	0.15	-0.15	0.03
20,230.0	88.90	359.54	10,249.0	9,685.5	222.3	9,688.1	0.11	-0.11	0.01
20,236.0	88.75	359.47	10,249.1	9,691.5	222.3	9,694.1	2.79	-2.51	-1.22
LTP @ 20236.0'MD, 330'FNL & 249.8'FEL									
20,301.0	87.12	358.67	10,251.4	9,756.5	221.2	9,759.0	2.79	-2.51	-1.23
LAST SVY									
20,365.0	87.12	358.67	10,254.6	9,820.4	219.8	9,822.8	0.00	0.00	0.00
Projection to TD @ 20365'MD, 201.2'FNL & 251.4'FEL									

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									
PBHL (Myox 30 State	-0.31	359.68	10,240.0	9,821.6	224.6	408,143.60	563,871.40	32° 7' 18.966 N	104° 7' 37.271 W
- actual wellpath misses target center by 15.5usft at 20365.0usft MD (10254.6 TVD, 9820.4 N, 219.8 E)									
- Rectangle (sides W60.0 H1,825.0 D20.0)									
LTP (Myox 30 State C	0.00	0.00	10,240.0	9,691.5	225.3	408,013.50	563,872.10	32° 7' 17.679 N	104° 7' 37.266 W
- actual wellpath misses target center by 9.6usft at 20235.7usft MD (10249.1 TVD, 9691.3 N, 222.3 E)									
- Point									
8000'VS (Myox 30 State	-1.00	359.68	10,250.0	7,996.7	234.7	406,318.70	563,881.51	32° 7' 0.906 N	104° 7' 37.194 W
- actual wellpath misses target center by 4.2usft at 18540.7usft MD (10245.9 TVD, 7996.6 N, 233.9 E)									
- Rectangle (sides W60.0 H1,399.4 D20.0)									
FTP (Myox 30 State C	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
- actual wellpath misses target center by 166.5usft at 10301.4usft MD (10174.3 TVD, -210.7 N, 179.0 E)									
- Point									

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 30 State Com #801H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3050.2usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3050.2usft (Latshaw 44)
Well:	Myox 30 State Com #801H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
657.1	657.0	Rustler			
2,100.3	2,099.0	TOS			
2,293.4	2,292.0	BOS (Fletcher)			
2,330.4	2,329.0	LMAR (Top Delaware)			
3,149.8	3,146.0	BYCN			
4,349.6	4,342.0	CYCN			
5,978.1	5,960.0	BYCN			
6,255.4	6,237.0	Bone Sprg (BSGL)			
6,510.9	6,492.0	U Avalon Sh			
6,897.4	6,878.0	L Avalon Sh			
7,463.8	7,444.0	FBSG_sand			
8,018.1	7,994.0	SBSG_sand			
8,707.2	8,681.0	TBSG_sand			
9,064.5	9,038.0	WFMP			
9,222.6	9,196.0	WFMP Lith			
9,441.7	9,415.0	WFMP B			
9,724.7	9,698.0	WFMP C			
10,019.8	9,977.0	WFMP D			

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,226.8	10,134.5	-273.7	176.4	FTP @ 10226.8'MD, 330'FSL & 369.5'FEL	
20,236.0	10,249.1	9,691.5	222.3	LTP @ 20236.0'MD, 330'FNL & 249.8'FEL	
20,301.0	10,251.4	9,756.5	221.2	LAST SVY	
20,365.0	10,254.6	9,820.4	219.8	Projection to TD @ 20365'MD, 201.2'FNL & 251.4'FEL	

Checked By: _____	Approved By: _____	Date: _____
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