

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 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) 476-3460 Fax: (505) 476-3462

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

RECEIVED
JAN 27 2020
EMNRD-OCD ARTESIA

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 30-015-44002		Pool Code 98220	Pool Name Purple Sage; Wolfcamp	
Property Code 38521	Property Name MYOX 21 STATE COM		Well Number 32H	
OGRID No. 229137	Operator Name COG OPERATING, LLC		Elevation 2990.7'	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	25-S	28-E		215	SOUTH	790	WEST	EDDY

Bottom Hole Location If Different From Surface

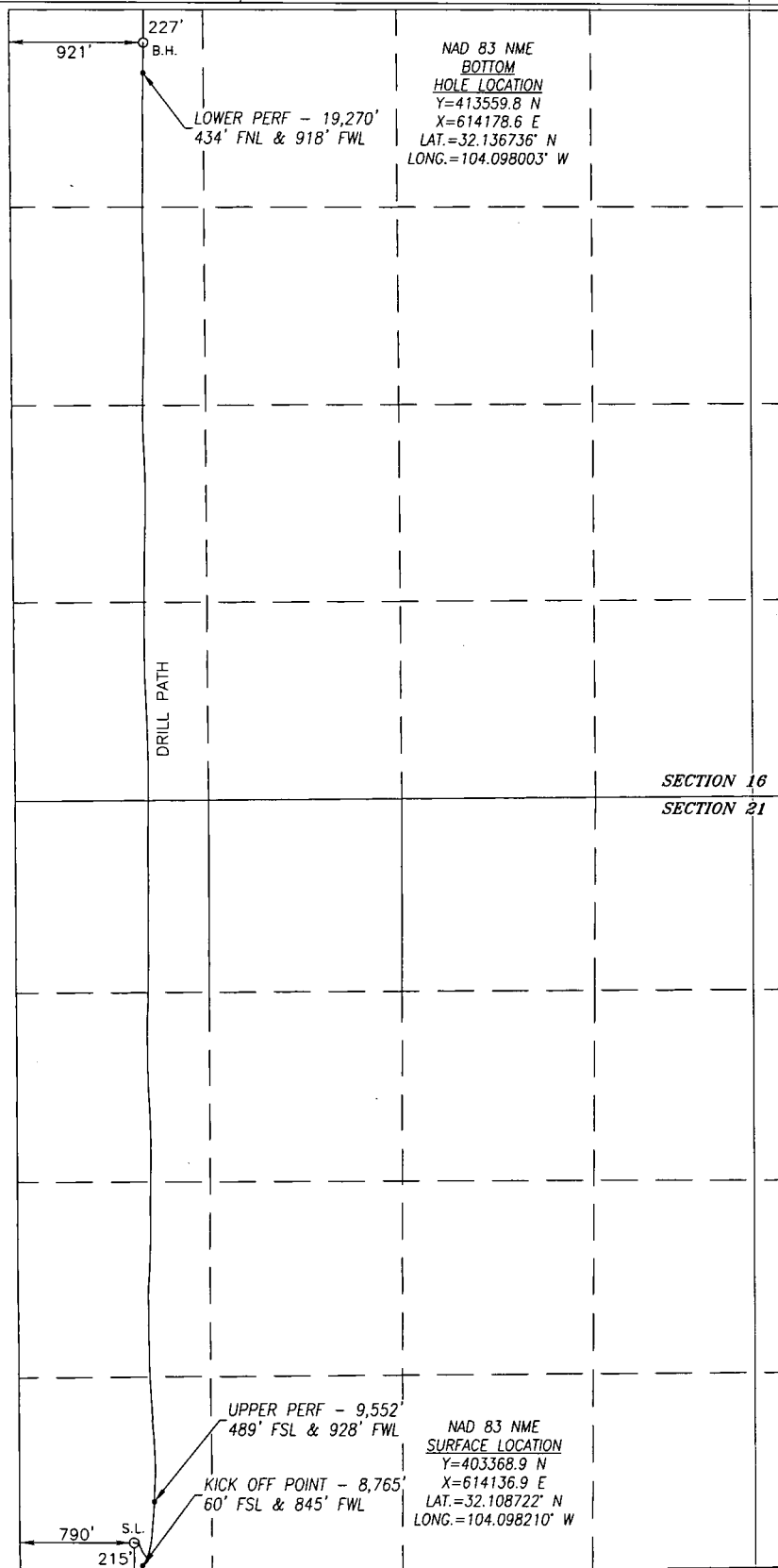
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	25-S	28-E		227	NORTH	921	WEST	EDDY

Dedicated Acres 640	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

Property Code 38521	Property Name MYOX 21 STATE COM	Well Number 32H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2990.7'



SURFACE INFO AND BOREPATH SHOWN HEREON IS BASED ON DIRECTIONAL SURVEY REPORT PROVIDED BY COG OPERATING, LLC FOR THE MYOX 21 STATE COM #32H SUPPLIED TO HARCROW SURVEYING, LLC ON NOVEMBER 11, 2019

1200 0 1200
SCALE: 1"=1200'

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 11/27/19
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. 8, 2019/MAY 31, 2019

Date of Survey/Date of Geographic Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 11/19/19
Certificate No. CHAD HARCROW 17777

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EMNRD-OCD ARTESIA

Intent ☐ As Drilled ☒API #
30-015-44002Operator Name:
COG OPERATING, LLCProperty Name:
MYOX 21 STATE COMWell Number
32H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	21	25S	28E		60	SOUTH	845	WEST	EDDY
Latitude 32.180296					Longitude -104.098030			NAD 83	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	21	25S	28E		489	SOUTH	928	WEST	EDDY
Latitude 32.109477					Longitude -104.097771			NAD 83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	16	25S	28E		434	NORTH	918	WEST	EDDY
Latitude 32.136167					Longitude -104.098011			NAD 83	

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

☐ No

Is this well an infill well?

☐ Yes

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

API #
30-015-45373Operator Name:
COG Operating LLCProperty Name:
Myox 21 State ComWell Number
32H

KZ 06/29/2018



C O N C H O

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EMNRD-OCD ARTESIA

Concho Resources, Inc.

Eddy County (NAD27 NME)

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

Myox 21 State Com #32H

API# 30-015-44002

OWB

*A Certified Directional Survey
requested as required by NMOCD
Rule 19.15.16.14 NMAC*

Design: AWB

Standard Survey Report

31 May, 2019

INTREPID



Intrepid Survey Report



Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:		KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:		KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	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 21 State Com #32H		
Well Position	+N/-S	0.0 usft	Northing: 403,311.10 usft
	+E/-W	0.0 usft	Easting: 572,952.70 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 6' 30.957 N
		Longitude:	104° 5' 51.793 W
		Ground Level:	2,990.7 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	2019/02/05	7.01
			59.85
			47,648.70386212

Design	AWB		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			0.16

Survey Program	Date 2019/05/31		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
100.0	8,740.0	SDI Gryo Svys (OWB)	Standard Keeper 104
8,827.0	19,477.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS
			Description
			Standard Wireline Keeper ver 1.0.4
			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	0.15	258.07	100.0	0.0	-0.1	0.0	0.15	0.15	0.00	
125.0	0.04	41.82	125.0	0.0	-0.2	0.0	0.74	-0.44	575.00	
150.0	0.20	353.59	150.0	0.0	-0.2	0.0	0.70	0.64	-192.92	
175.0	0.01	158.89	175.0	0.1	-0.2	0.1	0.84	-0.76	661.20	
200.0	0.12	218.80	200.0	0.0	-0.2	0.0	0.46	0.44	239.64	
225.0	0.16	269.70	225.0	0.0	-0.2	0.0	0.50	0.16	203.60	
250.0	0.18	246.88	250.0	0.0	-0.3	0.0	0.28	0.08	-91.28	
275.0	0.28	228.97	275.0	-0.1	-0.4	-0.1	0.49	0.40	-71.64	
300.0	0.38	257.12	300.0	-0.1	-0.5	-0.1	0.75	0.40	112.60	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #32H
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Well:	Myox 21 State Com #32H	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)
303.9	0.38	255.65	303.9	-0.1	-0.5	-0.1	0.27	-0.10	-37.62
Rustler									
325.0	0.36	247.22	325.0	-0.2	-0.7	-0.2	0.27	-0.08	-39.97
350.0	0.43	250.30	350.0	-0.2	-0.8	-0.2	0.29	0.28	12.32
375.0	0.45	249.53	375.0	-0.3	-1.0	-0.3	0.08	0.08	-3.08
400.0	0.48	253.78	400.0	-0.3	-1.2	-0.4	0.18	0.12	17.00
425.0	0.49	248.21	425.0	-0.4	-1.4	-0.4	0.19	0.04	-22.28
450.0	0.49	270.16	450.0	-0.5	-1.6	-0.5	0.75	0.00	87.80
475.0	0.65	274.42	475.0	-0.4	-1.8	-0.5	0.66	0.64	17.04
500.0	0.81	283.35	500.0	-0.4	-2.2	-0.4	0.78	0.64	35.72
525.0	0.80	283.06	525.0	-0.3	-2.5	-0.3	0.04	-0.04	-1.16
550.0	0.76	289.60	550.0	-0.2	-2.8	-0.2	0.39	-0.16	26.16
575.0	0.74	284.34	575.0	-0.1	-3.1	-0.1	0.29	-0.08	-21.04
600.0	0.78	283.72	600.0	0.0	-3.5	-0.1	0.16	0.16	-2.48
625.0	0.77	288.01	625.0	0.0	-3.8	0.0	0.24	-0.04	17.16
650.0	0.90	292.53	650.0	0.2	-4.1	0.2	0.58	0.52	18.08
668.9	1.00	295.62	668.9	0.3	-4.4	0.3	0.58	0.52	16.30
TOS									
675.0	1.03	296.48	675.0	0.4	-4.5	0.3	0.58	0.53	14.24
700.0	0.94	297.78	700.0	0.5	-4.9	0.5	0.37	-0.36	5.20
725.0	1.06	300.00	725.0	0.8	-5.3	0.7	0.50	0.48	8.88
750.0	1.16	303.00	750.0	1.0	-5.7	1.0	0.46	0.40	12.00
775.0	1.12	305.92	775.0	1.3	-6.1	1.3	0.28	-0.16	11.68
800.0	1.08	302.78	800.0	1.6	-6.5	1.5	0.29	-0.16	-12.56
825.0	1.11	304.83	824.9	1.8	-6.9	1.8	0.20	0.12	8.20
850.0	0.80	319.08	849.9	2.1	-7.2	2.1	1.55	-1.24	57.00
875.0	0.51	4.55	874.9	2.3	-7.3	2.3	2.29	-1.16	181.88
900.0	0.50	55.55	899.9	2.5	-7.2	2.5	1.74	-0.04	204.00
925.0	0.46	60.34	924.9	2.6	-7.0	2.6	0.23	-0.16	19.16
950.0	0.56	71.16	949.9	2.7	-6.8	2.7	0.55	0.40	43.28
975.0	0.55	66.95	974.9	2.8	-6.6	2.8	0.17	-0.04	-16.84
1,000.0	0.64	66.66	999.9	2.9	-6.4	2.9	0.36	0.36	-1.16
1,025.0	0.53	72.03	1,024.9	3.0	-6.1	3.0	0.49	-0.44	21.48
1,050.0	0.56	69.39	1,049.9	3.1	-5.9	3.1	0.16	0.12	-10.56
1,075.0	0.53	82.06	1,074.9	3.1	-5.7	3.1	0.50	-0.12	50.68
1,100.0	0.62	89.35	1,099.9	3.2	-5.4	3.1	0.46	0.36	29.16
1,125.0	0.60	94.69	1,124.9	3.1	-5.2	3.1	0.24	-0.08	21.36
1,150.0	0.55	90.63	1,149.9	3.1	-4.9	3.1	0.26	-0.20	-16.24
1,175.0	0.63	84.32	1,174.9	3.1	-4.7	3.1	0.41	0.32	-25.24
1,200.0	0.76	103.87	1,199.9	3.1	-4.4	3.1	1.07	0.52	78.20
1,225.0	0.70	104.65	1,224.9	3.0	-4.0	3.0	0.24	-0.24	3.12
1,250.0	0.67	119.31	1,249.9	2.9	-3.8	2.9	0.71	-0.12	58.64
1,275.0	0.81	105.97	1,274.9	2.8	-3.5	2.8	0.88	0.56	-53.36

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
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Well:	Myox 21 State Com #32H	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)	
1,300.0	0.75	103.61	1,299.9	2.7	-3.1	2.7	0.27	-0.24	-9.44	
1,325.0	0.88	117.98	1,324.9	2.6	-2.8	2.6	0.96	0.52	57.48	
1,350.0	0.70	111.79	1,349.9	2.4	-2.5	2.4	0.80	-0.72	-24.76	
1,375.0	0.75	119.53	1,374.9	2.3	-2.2	2.3	0.44	0.20	30.96	
1,400.0	0.93	118.70	1,399.9	2.1	-1.9	2.1	0.72	0.72	-3.32	
1,425.0	0.80	121.09	1,424.9	1.9	-1.6	1.9	0.54	-0.52	9.56	
1,450.0	0.94	111.41	1,449.9	1.8	-1.2	1.8	0.81	0.56	-38.72	
1,475.0	1.07	110.85	1,474.9	1.6	-0.8	1.6	0.52	0.52	-2.24	
1,500.0	1.17	110.28	1,499.9	1.4	-0.4	1.4	0.40	0.40	-2.28	
1,525.0	1.31	112.97	1,524.9	1.2	0.1	1.2	0.61	0.56	10.76	
1,550.0	1.30	107.39	1,549.9	1.1	0.7	1.1	0.51	-0.04	-22.32	
1,575.0	1.30	109.24	1,574.9	0.9	1.2	0.9	0.17	0.00	7.40	
1,600.0	1.38	97.52	1,599.9	0.7	1.8	0.7	1.14	0.32	-46.88	
1,625.0	1.52	96.75	1,624.9	0.7	2.4	0.7	0.57	0.56	-3.08	
1,650.0	1.56	105.63	1,649.9	0.5	3.1	0.5	0.97	0.16	35.52	
1,675.0	1.62	93.46	1,674.8	0.4	3.7	0.4	1.37	0.24	-48.68	
1,700.0	1.74	98.85	1,699.8	0.3	4.5	0.4	0.79	0.48	21.56	
1,725.0	1.84	91.10	1,724.8	0.3	5.2	0.3	1.05	0.40	-31.00	
1,750.0	1.90	91.24	1,749.8	0.3	6.1	0.3	0.24	0.24	0.56	
1,775.0	1.89	92.72	1,774.8	0.2	6.9	0.2	0.20	-0.04	5.92	
1,800.0	2.06	91.35	1,799.8	0.2	7.7	0.2	0.71	0.68	-5.48	
1,825.0	2.20	96.78	1,824.8	0.1	8.7	0.2	0.98	0.56	21.72	
1,850.0	2.29	96.90	1,849.7	0.0	9.6	0.0	0.36	0.36	0.48	
1,875.0	2.37	97.99	1,874.7	-0.1	10.7	-0.1	0.37	0.32	4.36	
1,900.0	2.54	94.75	1,899.7	-0.2	11.7	-0.2	0.88	0.68	-12.96	
1,925.0	2.69	92.36	1,924.7	-0.3	12.9	-0.3	0.74	0.60	-9.56	
1,950.0	2.60	92.72	1,949.6	-0.4	14.0	-0.3	0.37	-0.36	1.44	
1,975.0	2.18	95.45	1,974.6	-0.4	15.0	-0.4	1.74	-1.68	10.92	
2,000.0	1.70	98.98	1,999.6	-0.5	15.9	-0.5	1.98	-1.92	14.12	
2,025.0	1.59	100.80	2,024.6	-0.7	16.6	-0.6	0.49	-0.44	7.28	
2,050.0	1.67	100.74	2,049.6	-0.8	17.3	-0.7	0.32	0.32	-0.24	
2,075.0	1.74	106.06	2,074.6	-1.0	18.0	-0.9	0.69	0.28	21.28	
2,100.0	1.80	101.33	2,099.6	-1.1	18.8	-1.1	0.63	0.24	-18.92	
2,125.0	2.09	105.08	2,124.6	-1.3	19.6	-1.3	1.27	1.16	15.00	
2,150.0	2.04	107.22	2,149.5	-1.6	20.5	-1.5	0.37	-0.20	8.56	
2,175.0	2.42	115.03	2,174.5	-1.9	21.4	-1.9	1.94	1.52	31.24	
2,200.0	2.61	113.15	2,199.5	-2.4	22.4	-2.3	0.83	0.76	-7.52	
2,225.0	2.69	113.24	2,224.5	-2.8	23.4	-2.8	0.32	0.32	0.36	
2,229.4	2.68	113.54	2,228.9	-2.9	23.6	-2.9	0.37	-0.20	6.69	
BOS (Fletcher)										
2,250.0	2.64	114.94	2,249.4	-3.3	24.5	-3.3	0.37	-0.20	6.82	
2,275.0	3.21	115.29	2,274.4	-3.9	25.6	-3.8	2.28	2.28	1.40	
2,300.0	3.38	113.92	2,299.4	-4.5	26.9	-4.4	0.75	0.68	-5.48	
2,325.0	3.44	114.35	2,324.3	-5.1	28.3	-5.0	0.26	0.24	1.72	

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Wellbore:	OWB	Survey Calculation Method:		Minimum Curvature
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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)	
2,350.0	3.58	114.52	2,349.3	-5.7	29.7	-5.6	0.56	0.56	0.68	
2,375.0	3.58	135.97	2,374.2	-6.6	31.0	-6.5	5.33	0.00	85.80	
2,400.0	3.74	144.50	2,399.2	-7.8	32.0	-7.7	2.27	0.64	34.12	
2,425.0	3.82	154.40	2,424.1	-9.2	32.8	-9.1	2.63	0.32	39.60	
2,431.8	3.80	155.36	2,430.9	-9.6	33.0	-9.5	0.97	-0.22	14.18	
LMAR (Top Delaware)										
2,450.0	3.77	157.98	2,449.1	-10.7	33.5	-10.6	0.97	-0.19	14.37	
2,475.0	4.13	159.42	2,474.0	-12.3	34.1	-12.3	1.49	1.44	5.76	
2,486.9	4.07	158.52	2,485.9	-13.1	34.4	-13.0	0.72	-0.48	-7.52	
BYCN										
2,500.0	4.01	157.51	2,498.9	-14.0	34.7	-13.9	0.72	-0.48	-7.75	
2,525.0	3.91	154.10	2,523.9	-15.6	35.4	-15.5	1.02	-0.40	-13.64	
2,550.0	3.53	158.22	2,548.8	-17.1	36.1	-17.0	1.86	-1.52	16.48	
2,575.0	3.45	156.53	2,573.8	-18.5	36.7	-18.4	0.52	-0.32	-6.76	
2,600.0	3.12	154.63	2,598.7	-19.8	37.3	-19.7	1.39	-1.32	-7.60	
2,625.0	3.04	153.55	2,623.7	-21.0	37.9	-20.9	0.40	-0.32	-4.32	
2,650.0	2.83	153.59	2,648.7	-22.1	38.4	-22.0	0.84	-0.84	0.16	
2,675.0	2.74	154.05	2,673.6	-23.2	39.0	-23.1	0.37	-0.36	1.84	
2,700.0	2.83	156.67	2,698.6	-24.3	39.5	-24.2	0.62	0.36	10.48	
2,725.0	2.93	154.86	2,723.6	-25.5	40.0	-25.3	0.54	0.40	-7.24	
2,750.0	3.03	154.56	2,748.5	-26.6	40.6	-26.5	0.40	0.40	-1.20	
2,775.0	3.19	154.99	2,773.5	-27.9	41.1	-27.7	0.65	0.64	1.72	
2,800.0	3.00	153.06	2,798.5	-29.1	41.7	-29.0	0.87	-0.76	-7.72	
2,825.0	2.70	155.65	2,823.4	-30.2	42.3	-30.1	1.31	-1.20	10.36	
2,850.0	2.32	154.31	2,848.4	-31.2	42.7	-31.1	1.54	-1.52	-5.36	
2,875.0	2.09	155.10	2,873.4	-32.1	43.1	-31.9	0.93	-0.92	3.16	
2,900.0	1.71	147.59	2,898.4	-32.8	43.5	-32.7	1.81	-1.52	-30.04	
2,925.0	1.52	150.22	2,923.4	-33.4	43.9	-33.3	0.82	-0.76	10.52	
2,950.0	1.49	154.97	2,948.4	-34.0	44.2	-33.8	0.51	-0.12	19.00	
2,975.0	1.58	159.03	2,973.4	-34.6	44.5	-34.5	0.56	0.36	16.24	
3,000.0	1.44	149.69	2,998.4	-35.2	44.7	-35.1	1.13	-0.56	-37.36	
3,025.0	1.57	146.88	3,023.3	-35.7	45.1	-35.6	0.60	0.52	-11.24	
3,050.0	1.33	151.27	3,048.3	-36.3	45.4	-36.1	1.06	-0.96	17.56	
3,075.0	1.37	155.70	3,073.3	-36.8	45.7	-36.7	0.45	0.16	17.72	
3,100.0	1.43	159.53	3,098.3	-37.4	45.9	-37.2	0.44	0.24	15.32	
3,125.0	1.46	157.43	3,123.3	-38.0	46.1	-37.8	0.24	0.12	-8.40	
3,150.0	1.43	154.68	3,148.3	-38.5	46.4	-38.4	0.30	-0.12	-11.00	
3,175.0	1.62	159.58	3,173.3	-39.1	46.6	-39.0	0.92	0.76	19.60	
3,200.0	1.61	152.71	3,198.3	-39.8	46.9	-39.7	0.78	-0.04	-27.48	
3,225.0	1.36	154.12	3,223.3	-40.4	47.2	-40.2	1.01	-1.00	5.64	
3,250.0	1.47	165.60	3,248.3	-40.9	47.4	-40.8	1.21	0.44	45.92	
3,275.0	1.51	164.53	3,273.3	-41.6	47.6	-41.4	0.19	0.16	-4.28	
3,300.0	1.58	159.64	3,298.3	-42.2	47.8	-42.1	0.60	0.28	-19.56	

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:		KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:		KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	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)	
3,316.7	1.59	160.74	3,314.9	-42.6	48.0	-42.5	0.19	0.04	6.61	
CYCN										
3,325.0	1.59	161.29	3,323.2	-42.9	48.0	-42.7	0.19	0.04	6.57	
3,350.0	1.48	155.90	3,348.2	-43.5	48.3	-43.3	0.73	-0.44	-21.56	
3,375.0	1.37	161.33	3,373.2	-44.1	48.5	-43.9	0.70	-0.44	21.72	
3,400.0	1.51	163.86	3,398.2	-44.7	48.7	-44.5	0.61	0.56	10.12	
3,425.0	1.48	163.99	3,423.2	-45.3	48.9	-45.2	0.12	-0.12	0.52	
3,450.0	1.55	163.77	3,448.2	-45.9	49.1	-45.8	0.28	0.28	-0.88	
3,475.0	1.63	161.21	3,473.2	-46.6	49.3	-46.4	0.43	0.32	-10.24	
3,500.0	1.57	161.39	3,498.2	-47.2	49.5	-47.1	0.24	-0.24	0.72	
3,525.0	1.43	158.58	3,523.2	-47.9	49.7	-47.7	0.63	-0.56	-11.24	
3,550.0	1.60	162.71	3,548.2	-48.5	49.9	-48.3	0.81	0.68	16.52	
3,575.0	1.57	163.37	3,573.2	-49.1	50.1	-49.0	0.14	-0.12	2.64	
3,600.0	1.57	157.33	3,598.1	-49.8	50.4	-49.6	0.66	0.00	-24.16	
3,625.0	1.57	157.03	3,623.1	-50.4	50.6	-50.3	0.03	0.00	-1.20	
3,650.0	1.51	154.78	3,648.1	-51.0	50.9	-50.9	0.34	-0.24	-9.00	
3,675.0	1.47	166.41	3,673.1	-51.6	51.1	-51.5	1.22	-0.16	46.52	
3,700.0	1.72	163.16	3,698.1	-52.3	51.3	-52.2	1.06	1.00	-13.00	
3,725.0	1.78	165.24	3,723.1	-53.0	51.5	-52.9	0.35	0.24	8.32	
3,750.0	1.89	159.89	3,748.1	-53.8	51.8	-53.7	0.81	0.44	-21.40	
3,775.0	1.68	154.52	3,773.1	-54.5	52.1	-54.4	1.07	-0.84	-21.48	
3,800.0	1.78	168.44	3,798.1	-55.2	52.3	-55.1	1.72	0.40	55.68	
3,825.0	1.85	167.22	3,823.0	-56.0	52.5	-55.9	0.32	0.28	-4.88	
3,850.0	1.74	152.96	3,848.0	-56.7	52.7	-56.6	1.83	-0.44	-57.04	
3,875.0	1.70	150.25	3,873.0	-57.4	53.1	-57.3	0.36	-0.16	-10.84	
3,900.0	1.58	140.65	3,898.0	-58.0	53.5	-57.8	1.20	-0.48	-38.40	
3,925.0	1.40	145.58	3,923.0	-58.5	53.9	-58.4	0.88	-0.72	19.72	
3,950.0	1.21	147.15	3,948.0	-59.0	54.2	-58.8	0.77	-0.76	6.28	
3,975.0	1.85	155.92	3,973.0	-59.6	54.5	-59.4	2.72	2.56	35.08	
4,000.0	1.37	144.60	3,998.0	-60.2	54.8	-60.0	2.29	-1.92	-45.28	
4,025.0	1.48	143.26	4,023.0	-60.7	55.2	-60.5	0.46	0.44	-5.36	
4,050.0	1.58	137.94	4,048.0	-61.2	55.6	-61.1	0.69	0.40	-21.28	
4,075.0	1.39	139.80	4,073.0	-61.7	56.0	-61.5	0.78	-0.76	7.44	
4,100.0	1.55	137.85	4,097.9	-62.2	56.5	-62.0	0.67	0.64	-7.80	
4,125.0	1.38	146.04	4,122.9	-62.7	56.9	-62.5	1.08	-0.68	32.76	
4,150.0	1.55	147.70	4,147.9	-63.2	57.2	-63.1	0.70	0.68	6.64	
4,175.0	1.60	137.99	4,172.9	-63.8	57.6	-63.6	1.08	0.20	-38.84	
4,200.0	1.60	138.83	4,197.9	-64.3	58.1	-64.1	0.09	0.00	3.36	
4,225.0	1.42	134.84	4,222.9	-64.8	58.5	-64.6	0.83	-0.72	-15.96	
4,250.0	1.34	143.26	4,247.9	-65.2	58.9	-65.0	0.87	-0.32	33.68	
4,275.0	1.44	146.05	4,272.9	-65.7	59.3	-65.5	0.48	0.40	11.16	
4,300.0	1.55	145.63	4,297.9	-66.2	59.6	-66.1	0.44	0.44	-1.68	
4,325.0	1.58	146.07	4,322.9	-66.8	60.0	-66.6	0.13	0.12	1.76	
4,350.0	1.61	142.90	4,347.9	-67.4	60.4	-67.2	0.37	0.12	-12.68	

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:
Project:	Eddy County (NAD27 NME)	TVD Reference:	Well Myox 21 State Com #32H
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	North Reference:	KB @ 3021.7usft (Precision 106)
Wellbore:	OWB	Survey Calculation Method:	Grid
Design:	AWB	Database:	Minimum Curvature
			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	1.64	139.62	4,372.9	-67.9	60.9	-67.8	0.39	0.12	-13.12
4,400.0	1.47	142.75	4,397.8	-68.5	61.3	-68.3	0.76	-0.68	12.52
4,425.0	1.56	147.34	4,422.8	-69.0	61.7	-68.8	0.60	0.36	18.36
4,450.0	1.68	145.80	4,447.8	-69.6	62.1	-69.4	0.51	0.48	-6.16
4,475.0	1.72	141.96	4,472.8	-70.2	62.5	-70.0	0.48	0.16	-15.36
4,500.0	1.71	139.46	4,497.8	-70.8	63.0	-70.6	0.30	-0.04	-10.00
4,525.0	1.53	137.87	4,522.8	-71.3	63.5	-71.1	0.74	-0.72	-6.36
4,550.0	1.54	144.97	4,547.8	-71.8	63.9	-71.6	0.76	0.04	28.40
4,564.1	1.59	144.75	4,561.9	-72.1	64.1	-72.0	0.32	0.32	-1.55
BYCN									
4,575.0	1.62	144.59	4,572.8	-72.4	64.3	-72.2	0.32	0.32	-1.48
4,600.0	1.76	144.13	4,597.8	-73.0	64.7	-72.8	0.56	0.56	-1.84
4,625.0	1.79	141.23	4,622.8	-73.6	65.2	-73.4	0.38	0.12	-11.60
4,650.0	1.73	134.76	4,647.7	-74.2	65.7	-74.0	0.83	-0.24	-25.88
4,675.0	1.62	138.70	4,672.7	-74.7	66.2	-74.5	0.64	-0.44	15.76
4,700.0	1.64	145.99	4,697.7	-75.3	66.6	-75.1	0.83	0.08	29.16
4,725.0	1.77	147.20	4,722.7	-75.9	67.0	-75.7	0.54	0.52	4.84
4,750.0	1.76	147.50	4,747.7	-76.5	67.4	-76.3	0.05	-0.04	1.20
4,775.0	1.75	147.65	4,772.7	-77.2	67.8	-77.0	0.04	-0.04	0.60
4,800.0	1.78	150.43	4,797.7	-77.8	68.2	-77.6	0.36	0.12	11.12
4,825.0	1.91	149.00	4,822.7	-78.5	68.6	-78.3	0.55	0.52	-5.72
4,850.0	1.91	142.91	4,847.6	-79.2	69.1	-79.0	0.81	0.00	-24.36
4,875.0	1.72	144.14	4,872.6	-79.9	69.6	-79.7	0.78	-0.76	4.92
4,900.0	1.75	145.37	4,897.6	-80.5	70.0	-80.3	0.19	0.12	4.92
4,925.0	1.90	144.48	4,922.6	-81.1	70.5	-80.9	0.61	0.60	-3.56
4,950.0	1.80	138.69	4,947.6	-81.8	71.0	-81.6	0.85	-0.40	-23.16
4,975.0	1.68	142.14	4,972.6	-82.3	71.5	-82.1	0.64	-0.48	13.80
5,000.0	1.70	143.12	4,997.6	-82.9	71.9	-82.7	0.14	0.08	3.92
5,025.0	1.94	145.62	5,022.6	-83.6	72.4	-83.4	1.01	0.96	10.00
5,050.0	1.91	146.78	5,047.5	-84.3	72.8	-84.1	0.20	-0.12	4.64
5,075.0	1.82	146.64	5,072.5	-85.0	73.3	-84.8	0.36	-0.36	-0.56
5,100.0	1.72	149.79	5,097.5	-85.6	73.7	-85.4	0.56	-0.40	12.60
5,125.0	1.92	149.99	5,122.5	-86.3	74.1	-86.1	0.80	0.80	0.80
5,150.0	1.84	145.82	5,147.5	-87.0	74.5	-86.8	0.63	-0.32	-16.68
5,175.0	1.72	140.96	5,172.5	-87.6	75.0	-87.4	0.77	-0.48	-19.44
5,200.0	1.63	146.57	5,197.5	-88.2	75.4	-88.0	0.75	-0.36	22.44
5,225.0	1.78	150.39	5,222.5	-88.8	75.8	-88.6	0.75	0.60	15.28
5,250.0	1.70	146.85	5,247.4	-89.5	76.2	-89.3	0.54	-0.32	-14.16
5,275.0	1.71	151.39	5,272.4	-90.1	76.6	-89.9	0.54	0.04	18.16
5,300.0	1.84	149.67	5,297.4	-90.8	77.0	-90.6	0.56	0.52	-6.88
5,325.0	1.74	147.10	5,322.4	-91.5	77.4	-91.2	0.51	-0.40	-10.28
5,350.0	1.61	150.57	5,347.4	-92.1	77.8	-91.9	0.66	-0.52	13.88
5,375.0	1.66	150.21	5,372.4	-92.7	78.1	-92.5	0.20	0.20	-1.44

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:		KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:		KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	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)	
5,400.0	1.77	153.69	5,397.4	-93.4	78.5	-93.2	0.61	0.44	13.92	
5,425.0	1.84	145.33	5,422.4	-94.0	78.9	-93.8	1.09	0.28	-33.44	
5,450.0	1.62	148.54	5,447.4	-94.7	79.3	-94.5	0.96	-0.88	12.84	
5,475.0	1.83	149.64	5,472.3	-95.3	79.7	-95.1	0.85	0.84	4.40	
5,500.0	1.84	146.65	5,497.3	-96.0	80.1	-95.8	0.39	0.04	-11.96	
5,525.0	1.74	147.25	5,522.3	-96.7	80.5	-96.4	0.41	-0.40	2.40	
5,550.0	1.77	153.00	5,547.3	-97.3	80.9	-97.1	0.71	0.12	23.00	
5,575.0	1.88	153.39	5,572.3	-98.0	81.2	-97.8	0.44	0.44	1.56	
5,600.0	1.88	153.50	5,597.3	-98.8	81.6	-98.5	0.01	0.00	0.44	
5,625.0	1.94	150.37	5,622.3	-99.5	82.0	-99.3	0.48	0.24	-12.52	
5,650.0	1.76	142.46	5,647.3	-100.2	82.4	-99.9	1.25	-0.72	-31.64	
5,675.0	1.64	144.36	5,672.2	-100.8	82.9	-100.5	0.53	-0.48	7.60	
5,700.0	1.79	150.24	5,697.2	-101.4	83.3	-101.2	0.92	0.60	23.52	
5,725.0	1.95	150.93	5,722.2	-102.1	83.7	-101.9	0.65	0.64	2.76	
5,750.0	1.84	147.25	5,747.2	-102.8	84.1	-102.6	0.66	-0.44	-14.72	
5,775.0	1.69	144.48	5,772.2	-103.5	84.5	-103.2	0.69	-0.60	-11.08	
5,800.0	1.63	150.99	5,797.2	-104.1	84.9	-103.8	0.79	-0.24	26.04	
5,825.0	1.63	147.48	5,822.2	-104.7	85.3	-104.4	0.40	0.00	-14.04	
5,850.0	1.67	153.47	5,847.2	-105.3	85.6	-105.1	0.71	0.16	23.96	
5,875.0	1.74	143.26	5,872.2	-105.9	86.0	-105.7	1.25	0.28	-40.84	
5,900.0	1.46	146.16	5,897.1	-106.5	86.4	-106.3	1.17	-1.12	11.60	
5,925.0	1.84	152.54	5,922.1	-107.1	86.8	-106.9	1.69	1.52	25.52	
5,950.0	1.81	149.82	5,947.1	-107.8	87.2	-107.6	0.37	-0.12	-10.88	
5,975.0	1.72	147.19	5,972.1	-108.5	87.6	-108.2	0.48	-0.36	-10.52	
6,000.0	1.64	150.69	5,997.1	-109.1	88.0	-108.9	0.52	-0.32	14.00	
6,025.0	1.84	153.42	6,022.1	-109.8	88.3	-109.5	0.87	0.80	10.92	
6,050.0	1.87	149.71	6,047.1	-110.5	88.7	-110.2	0.50	0.12	-14.84	
6,075.0	1.64	151.71	6,072.1	-111.2	89.1	-110.9	0.95	-0.92	8.00	
6,100.0	1.72	153.56	6,097.1	-111.8	89.4	-111.6	0.39	0.32	7.40	
6,113.9	1.80	155.73	6,110.9	-112.2	89.6	-111.9	0.73	0.55	15.65	
Bone Sprg (BSGL)										
6,125.0	1.86	157.34	6,122.0	-112.5	89.7	-112.3	0.73	0.57	14.47	
6,150.0	1.68	151.90	6,147.0	-113.2	90.1	-113.0	0.98	-0.72	-21.76	
6,175.0	1.56	157.21	6,172.0	-113.8	90.4	-113.6	0.77	-0.48	21.24	
6,200.0	1.75	169.83	6,197.0	-114.5	90.6	-114.3	1.64	0.76	50.48	
6,225.0	1.90	169.54	6,222.0	-115.3	90.7	-115.1	0.60	0.60	-1.16	
6,250.0	1.85	167.53	6,247.0	-116.1	90.9	-115.9	0.33	-0.20	-8.04	
6,275.0	1.88	165.18	6,272.0	-116.9	91.1	-116.7	0.33	0.12	-9.40	
6,300.0	1.79	166.01	6,297.0	-117.7	91.3	-117.4	0.38	-0.36	3.32	
6,325.0	1.81	168.76	6,321.9	-118.5	91.4	-118.2	0.35	0.08	11.00	
6,350.0	1.88	169.19	6,346.9	-119.2	91.6	-119.0	0.29	0.28	1.72	
6,375.0	1.77	163.18	6,371.9	-120.0	91.8	-119.8	0.88	-0.44	-24.04	
6,400.0	1.71	171.92	6,396.9	-120.8	92.0	-120.5	1.09	-0.24	34.96	
6,425.0	1.87	180.88	6,421.9	-121.5	92.0	-121.3	1.29	0.64	35.84	

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:
Project:	Eddy County (NAD27 NME)	TVD Reference:	Well Myox 21 State Com #32H
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	North Reference:	KB @ 3021.7usft (Precision 106)
Wellbore:	OWB	Survey Calculation Method:	Grid
Design:	AWB	Database:	Minimum Curvature
			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	1.71	178.40	6,446.9	-122.3	92.0	-122.1	0.71	-0.64	-9.92	
6,464.0	1.64	187.20	6,460.9	-122.7	92.0	-122.5	1.90	-0.52	62.76	
U Avalon Sh										
6,475.0	1.61	194.51	6,471.9	-123.0	91.9	-122.8	1.90	-0.25	66.58	
6,500.0	1.66	201.90	6,496.9	-123.7	91.7	-123.4	0.87	0.20	29.56	
6,525.0	1.66	207.95	6,521.9	-124.4	91.4	-124.1	0.70	0.00	24.20	
6,550.0	1.80	209.81	6,546.8	-125.0	91.0	-124.8	0.60	0.56	7.44	
6,575.0	1.69	211.28	6,571.8	-125.7	90.6	-125.4	0.48	-0.44	5.88	
6,600.0	1.64	221.10	6,596.8	-126.3	90.2	-126.0	1.16	-0.20	39.28	
6,625.0	1.76	216.58	6,621.8	-126.8	89.8	-126.6	0.72	0.48	-18.08	
6,650.0	1.50	213.25	6,646.8	-127.4	89.3	-127.2	1.11	-1.04	-13.32	
6,667.1	1.62	216.81	6,663.9	-127.8	89.1	-127.6	0.88	0.67	20.79	
L Avalon Sh										
6,675.0	1.67	218.28	6,671.8	-128.0	88.9	-127.7	0.88	0.70	18.67	
6,700.0	1.76	216.78	6,696.8	-128.6	88.5	-128.3	0.40	0.36	-6.00	
6,725.0	1.89	216.77	6,721.8	-129.2	88.0	-129.0	0.52	0.52	-0.04	
6,750.0	1.77	216.54	6,746.7	-129.8	87.5	-129.6	0.48	-0.48	-0.92	
6,775.0	1.64	223.08	6,771.7	-130.4	87.1	-130.2	0.94	-0.52	26.16	
6,800.0	1.81	228.39	6,796.7	-130.9	86.5	-130.7	0.93	0.68	21.24	
6,825.0	1.92	221.46	6,821.7	-131.5	85.9	-131.3	1.00	0.44	-27.72	
6,850.0	1.66	225.35	6,846.7	-132.1	85.4	-131.9	1.15	-1.04	15.56	
6,875.0	1.82	230.72	6,871.7	-132.6	84.8	-132.4	0.91	0.64	21.48	
6,900.0	1.94	225.25	6,896.7	-133.1	84.2	-132.9	0.86	0.48	-21.88	
6,925.0	1.91	227.14	6,921.7	-133.7	83.6	-133.5	0.28	-0.12	7.56	
6,950.0	2.01	218.80	6,946.6	-134.3	83.1	-134.1	1.21	0.40	-33.36	
6,975.0	1.78	216.42	6,971.6	-135.0	82.5	-134.8	0.97	-0.92	-9.52	
7,000.0	1.79	220.05	6,996.6	-135.6	82.1	-135.4	0.45	0.04	14.52	
7,025.0	1.84	214.32	7,021.6	-136.2	81.6	-136.0	0.75	0.20	-22.92	
7,050.0	1.64	217.73	7,046.6	-136.9	81.1	-136.6	0.90	-0.80	13.64	
7,055.3	1.65	218.92	7,051.9	-137.0	81.0	-136.8	0.66	0.14	22.49	
FBSG_sand										
7,075.0	1.68	223.25	7,071.6	-137.4	80.7	-137.2	0.66	0.17	21.97	
7,100.0	1.76	216.77	7,096.6	-138.0	80.2	-137.8	0.84	0.32	-25.92	
7,125.0	1.54	212.05	7,121.6	-138.6	79.8	-138.4	1.03	-0.88	-18.88	
7,150.0	1.48	221.47	7,146.6	-139.1	79.4	-138.9	1.02	-0.24	37.68	
7,175.0	1.48	214.94	7,171.5	-139.6	79.0	-139.4	0.67	0.00	-26.12	
7,200.0	1.49	211.07	7,196.5	-140.2	78.6	-139.9	0.40	0.04	-15.48	
7,225.0	1.39	205.30	7,221.5	-140.7	78.3	-140.5	0.70	-0.40	-23.08	
7,250.0	1.32	205.88	7,246.5	-141.2	78.1	-141.0	0.29	-0.28	2.32	
7,275.0	1.37	217.52	7,271.5	-141.7	77.8	-141.5	1.11	0.20	46.56	
7,300.0	1.35	225.23	7,296.5	-142.2	77.4	-142.0	0.74	-0.08	30.84	
7,325.0	1.16	224.21	7,321.5	-142.6	77.0	-142.4	0.77	-0.76	-4.08	
7,350.0	1.18	231.01	7,346.5	-142.9	76.6	-142.7	0.56	0.08	27.20	
7,375.0	1.48	230.59	7,371.5	-143.3	76.2	-143.1	1.20	1.20	-1.68	

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:
Project:	Eddy County (NAD27 NME)	TVD Reference:	Well Myox 21 State Com #32H
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	North Reference:	KB @ 3021.7usft (Precision 106)
Wellbore:	OWB	Survey Calculation Method:	Grid
Design:	AWB	Database:	Minimum Curvature
			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)	
7,400.0	1.33	226.30	7,396.5	-143.7	75.7	-143.5	0.73	-0.60	-17.16	
7,425.0	1.52	232.04	7,421.5	-144.1	75.2	-143.9	0.95	0.76	22.96	
7,450.0	1.77	228.29	7,446.5	-144.5	74.7	-144.3	1.09	1.00	-15.00	
7,475.0	1.84	219.28	7,471.5	-145.1	74.2	-144.9	1.17	0.28	-36.04	
7,500.0	1.63	217.79	7,496.4	-145.7	73.7	-145.5	0.86	-0.84	-5.96	
7,525.0	1.46	209.70	7,521.4	-146.3	73.3	-146.1	1.10	-0.68	-32.36	
7,550.0	1.49	209.24	7,546.4	-146.8	73.0	-146.6	0.13	0.12	-1.84	
7,575.0	1.36	199.35	7,571.4	-147.4	72.7	-147.2	1.11	-0.52	-39.56	
7,600.0	1.15	185.86	7,596.4	-147.9	72.6	-147.7	1.44	-0.84	-53.96	
7,625.0	0.83	166.18	7,621.4	-148.3	72.6	-148.1	1.85	-1.28	-78.72	
7,650.0	0.65	153.16	7,646.4	-148.6	72.7	-148.4	0.98	-0.72	-52.08	
7,675.0	0.65	155.43	7,671.4	-148.9	72.9	-148.7	0.10	0.00	9.08	
7,700.0	0.67	152.36	7,696.4	-149.2	73.0	-149.0	0.16	0.08	-12.28	
7,725.0	0.49	160.92	7,721.4	-149.4	73.1	-149.2	0.80	-0.72	34.24	
7,750.0	0.60	173.75	7,746.4	-149.6	73.1	-149.4	0.65	0.44	51.32	
7,775.0	0.39	187.22	7,771.4	-149.8	73.1	-149.6	0.95	-0.84	53.88	
7,800.0	0.43	217.11	7,796.4	-150.0	73.1	-149.8	0.86	0.16	119.56	
7,825.0	0.71	203.48	7,821.4	-150.2	73.0	-150.0	1.24	1.12	-54.52	
7,850.0	0.54	205.68	7,846.4	-150.5	72.8	-150.3	0.69	-0.68	8.80	
7,875.0	0.70	211.16	7,871.4	-150.7	72.7	-150.5	0.68	0.64	21.92	
7,900.0	0.93	200.42	7,896.4	-151.0	72.6	-150.8	1.10	0.92	-42.96	
7,914.5	0.87	199.97	7,910.9	-151.2	72.5	-151.0	0.44	-0.44	-3.11	
SBSG_sand										
7,925.0	0.82	199.60	7,921.4	-151.4	72.4	-151.2	0.44	-0.44	-3.52	
7,950.0	0.79	227.39	7,946.4	-151.7	72.2	-151.5	1.55	-0.12	111.16	
7,975.0	1.17	233.33	7,971.4	-151.9	71.9	-151.7	1.57	1.52	23.76	
8,000.0	1.23	235.72	7,996.4	-152.2	71.5	-152.0	0.31	0.24	9.56	
8,025.0	1.21	249.64	8,021.4	-152.5	71.0	-152.3	1.19	-0.08	55.68	
8,050.0	1.43	252.66	8,046.4	-152.7	70.5	-152.5	0.92	0.88	12.08	
8,075.0	1.60	243.75	8,071.4	-152.9	69.9	-152.7	1.16	0.68	-35.64	
8,100.0	1.33	247.43	8,096.4	-153.2	69.3	-153.0	1.14	-1.08	14.72	
8,125.0	1.52	254.47	8,121.3	-153.4	68.7	-153.2	1.03	0.76	28.16	
8,150.0	1.82	252.62	8,146.3	-153.6	68.0	-153.4	1.22	1.20	-7.40	
8,175.0	1.76	247.93	8,171.3	-153.8	67.3	-153.7	0.63	-0.24	-18.76	
8,200.0	1.60	250.46	8,196.3	-154.1	66.6	-153.9	0.71	-0.64	10.12	
8,225.0	1.87	256.63	8,221.3	-154.3	65.8	-154.1	1.31	1.08	24.68	
8,250.0	1.99	252.94	8,246.3	-154.5	65.0	-154.4	0.69	0.48	-14.76	
8,275.0	1.60	254.78	8,271.3	-154.8	64.3	-154.6	1.58	-1.56	7.36	
8,300.0	1.55	270.03	8,296.3	-154.9	63.6	-154.7	1.68	-0.20	61.00	
8,325.0	1.75	267.37	8,321.3	-154.9	62.9	-154.7	0.86	0.80	-10.64	
8,350.0	1.71	263.36	8,346.2	-154.9	62.1	-154.8	0.51	-0.16	-16.04	
8,375.0	1.46	268.44	8,371.2	-155.0	61.5	-154.8	1.15	-1.00	20.32	
8,400.0	1.45	273.85	8,396.2	-155.0	60.8	-154.8	0.55	-0.04	21.64	

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:		KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:		KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	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	1.50	263.24	8,421.2	-155.0	60.2	-154.8	1.11	0.20	-42.44	
8,450.0	1.06	248.64	8,446.2	-155.1	59.6	-154.9	2.18	-1.76	-58.40	
8,475.0	1.01	266.75	8,471.2	-155.2	59.2	-155.0	1.32	-0.20	72.44	
8,500.0	1.17	258.71	8,496.2	-155.3	58.7	-155.1	0.88	0.64	-32.16	
8,525.0	0.96	257.71	8,521.2	-155.4	58.3	-155.2	0.84	-0.84	-4.00	
8,550.0	0.98	274.50	8,546.2	-155.4	57.9	-155.2	1.14	0.08	67.16	
8,575.0	0.85	258.23	8,571.2	-155.4	57.5	-155.3	1.16	-0.52	-65.08	
8,600.0	0.59	247.72	8,596.2	-155.5	57.2	-155.3	1.16	-1.04	-42.04	
8,625.0	0.38	295.97	8,621.2	-155.5	57.0	-155.4	1.76	-0.84	193.00	
8,650.0	0.68	284.04	8,646.2	-155.4	56.7	-155.3	1.27	1.20	-47.72	
8,675.0	0.59	261.96	8,671.2	-155.4	56.5	-155.3	1.03	-0.36	-88.32	
8,700.0	0.41	271.03	8,696.2	-155.4	56.3	-155.3	0.78	-0.72	36.28	
8,725.0	0.74	287.14	8,721.2	-155.4	56.0	-155.2	1.46	1.32	64.44	
8,740.0	0.91	297.57	8,736.2	-155.3	55.8	-155.1	1.51	1.13	69.53	
8,827.0	3.18	55.87	8,823.1	-153.6	57.2	-153.5	4.25	2.61	135.98	
8,873.0	8.97	43.66	8,868.9	-150.3	60.7	-150.1	12.83	12.59	-26.54	
8,910.7	12.20	33.90	8,905.9	-144.9	65.0	-144.7	9.76	8.56	-25.90	
TBSG_sand										
8,920.0	13.03	32.24	8,915.0	-143.2	66.1	-143.0	9.76	8.95	-17.84	
8,967.0	18.02	29.17	8,960.3	-132.3	72.5	-132.1	10.76	10.62	-6.53	
9,014.0	21.85	25.16	9,004.4	-118.1	79.7	-117.9	8.65	8.15	-8.53	
9,060.0	25.07	21.97	9,046.6	-101.3	87.0	-101.0	7.52	7.00	-6.93	
9,107.0	26.69	19.32	9,088.9	-82.1	94.2	-81.8	4.23	3.45	-5.64	
9,139.0	29.07	17.71	9,117.2	-67.9	99.0	-67.6	7.80	7.44	-5.03	
9,171.0	34.80	14.60	9,144.4	-51.6	103.7	-51.4	18.62	17.91	-9.72	
9,202.0	39.92	13.07	9,169.0	-33.4	108.1	-33.1	16.78	16.52	-4.94	
9,249.0	48.24	8.92	9,202.7	-1.3	114.3	-1.0	18.73	17.70	-8.83	
9,294.0	55.09	6.11	9,230.6	33.7	118.9	34.0	15.99	15.22	-6.24	
9,365.0	69.28	4.58	9,263.7	96.0	124.6	96.4	20.08	19.99	-2.15	
9,374.3	70.20	4.32	9,266.9	104.8	125.3	105.1	10.20	9.87	-2.75	
WFMP										
9,386.4	71.39	4.00	9,270.9	116.1	126.1	116.5	10.20	9.87	-2.71	
FTP @ 9386.4'MD, 330'FSL & 917'FWL										
9,396.0	72.34	3.74	9,273.9	125.2	126.8	125.6	10.20	9.88	-2.68	
9,427.0	74.20	3.37	9,282.8	154.9	128.6	155.2	6.11	6.00	-1.19	
9,457.0	74.03	3.25	9,291.0	183.7	130.3	184.0	0.68	-0.57	-0.40	
9,488.0	74.21	3.10	9,299.5	213.4	131.9	213.8	0.74	0.58	-0.48	
9,519.0	74.88	3.30	9,307.7	243.3	133.6	243.6	2.25	2.16	0.65	
9,550.0	74.70	2.70	9,315.9	273.1	135.1	273.5	1.96	-0.58	-1.94	
9,570.0	75.19	2.01	9,321.1	292.4	135.9	292.8	4.14	2.45	-3.45	
9,600.0	76.93	1.80	9,328.3	321.5	136.9	321.9	5.84	5.80	-0.70	
9,631.0	80.41	1.93	9,334.4	351.9	137.9	352.3	11.23	11.23	0.42	
9,662.0	83.61	3.28	9,338.7	382.6	139.3	383.0	11.19	10.32	4.35	
9,724.0	89.45	1.95	9,342.4	444.4	142.1	444.8	9.66	9.42	-2.15	

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:		KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:		KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	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)
9,828.0	89.99	357.97	9,343.0	548.3	142.0	548.7	3.86	0.52	-3.83
9,922.0	89.15	355.42	9,343.7	642.2	136.6	642.6	2.86	-0.89	-2.71
10,014.0	90.01	355.76	9,344.3	733.9	129.5	734.3	1.01	0.93	0.37
10,107.0	89.17	356.07	9,345.0	826.7	122.9	827.0	0.96	-0.90	0.33
10,199.0	88.56	355.40	9,346.8	918.4	116.1	918.7	0.98	-0.66	-0.73
10,293.0	90.24	356.37	9,347.8	1,012.1	109.3	1,012.4	2.06	1.79	1.03
10,385.0	88.30	356.41	9,349.0	1,103.9	103.5	1,104.2	2.11	-2.11	0.04
10,421.8	88.82	357.25	9,349.9	1,140.7	101.5	1,141.0	2.69	1.42	2.28
WFMP Lith									
10,480.0	89.65	358.58	9,350.7	1,198.8	99.4	1,199.1	2.69	1.42	2.28
10,573.0	89.99	358.16	9,351.0	1,291.8	96.7	1,292.1	0.58	0.37	-0.45
10,666.0	91.22	359.37	9,350.0	1,384.8	94.7	1,385.0	1.86	1.32	1.30
10,759.0	88.11	359.28	9,350.5	1,477.7	93.6	1,478.0	3.35	-3.34	-0.10
10,853.0	85.78	359.43	9,355.5	1,571.6	92.6	1,571.8	2.48	-2.48	0.16
10,945.0	85.10	359.77	9,362.9	1,663.3	92.0	1,663.6	0.83	-0.74	0.37
11,038.0	85.81	5.25	9,370.2	1,755.9	96.0	1,756.1	5.92	0.76	5.89
11,130.0	86.71	1.11	9,376.2	1,847.5	101.1	1,847.8	4.60	0.98	-4.50
11,223.0	89.65	1.58	9,379.2	1,940.4	103.3	1,940.7	3.20	3.16	0.51
11,315.0	90.35	0.39	9,379.2	2,032.4	104.9	2,032.7	1.50	0.76	-1.29
11,409.0	90.66	359.62	9,378.4	2,126.4	104.9	2,126.7	0.88	0.33	-0.82
11,502.0	90.01	358.90	9,377.8	2,219.4	103.7	2,219.7	1.04	-0.70	-0.77
11,595.0	92.17	0.70	9,376.0	2,312.4	103.3	2,312.7	3.02	2.32	1.94
11,688.0	91.97	1.40	9,372.7	2,405.3	105.1	2,405.6	0.78	-0.22	0.75
11,781.0	90.83	0.11	9,370.4	2,498.3	106.3	2,498.6	1.85	-1.23	-1.39
11,873.0	90.66	0.00	9,369.2	2,590.3	106.4	2,590.5	0.22	-0.18	-0.12
11,966.0	91.36	359.71	9,367.6	2,683.2	106.1	2,683.5	0.81	0.75	-0.31
12,059.0	91.47	359.07	9,365.3	2,776.2	105.1	2,776.5	0.70	0.12	-0.69
12,152.0	90.38	357.54	9,363.8	2,869.2	102.4	2,869.4	2.02	-1.17	-1.65
12,245.0	90.43	356.94	9,363.1	2,962.0	97.9	2,962.3	0.65	0.05	-0.65
12,339.0	89.85	355.95	9,362.9	3,055.9	92.1	3,056.1	1.22	-0.62	-1.05
12,432.0	90.83	358.11	9,362.3	3,148.7	87.3	3,149.0	2.55	1.05	2.32
12,525.0	90.91	358.41	9,360.9	3,241.7	84.4	3,241.9	0.33	0.09	0.32
12,618.0	88.25	359.30	9,361.6	3,334.6	82.6	3,334.9	3.02	-2.86	0.96
12,710.0	88.00	359.00	9,364.6	3,426.6	81.2	3,426.8	0.42	-0.27	-0.33
12,803.0	89.79	1.51	9,366.4	3,519.6	81.6	3,519.8	3.31	1.92	2.70
12,897.0	90.43	2.03	9,366.2	3,613.5	84.5	3,613.7	0.88	0.68	0.55
12,991.0	90.18	0.64	9,365.7	3,707.5	86.7	3,707.7	1.50	-0.27	-1.48
13,083.0	91.22	0.53	9,364.6	3,799.5	87.7	3,799.7	1.14	1.13	-0.12
13,176.0	90.27	359.85	9,363.4	3,892.5	88.0	3,892.7	1.26	-1.02	-0.73
13,270.0	90.29	359.83	9,362.9	3,986.5	87.7	3,986.7	0.03	0.02	-0.02
13,363.0	88.19	359.65	9,364.2	4,079.4	87.3	4,079.7	2.27	-2.26	-0.19
13,457.0	88.19	359.79	9,367.1	4,173.4	86.8	4,173.6	0.15	0.00	0.15
13,551.0	87.72	359.79	9,370.5	4,267.3	86.5	4,267.6	0.50	-0.50	0.00
13,644.0	88.95	359.77	9,373.2	4,360.3	86.1	4,360.5	1.32	1.32	-0.02

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:		KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:		KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	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)
13,736.0	89.17	359.90	9,374.7	4,452.3	85.9	4,452.5	0.28	0.24	0.14
13,829.0	90.04	0.23	9,375.3	4,545.3	86.0	4,545.5	1.00	0.94	0.35
13,923.0	90.71	0.25	9,374.7	4,639.3	86.4	4,639.5	0.71	0.71	0.02
14,016.0	90.94	359.83	9,373.4	4,732.3	86.4	4,732.5	0.51	0.25	-0.45
14,109.0	89.09	359.33	9,373.4	4,825.3	85.7	4,825.5	2.06	-1.99	-0.54
14,203.0	89.59	0.96	9,374.5	4,919.2	86.0	4,919.5	1.81	0.53	1.73
14,297.0	90.35	1.43	9,374.5	5,013.2	87.9	5,013.4	0.95	0.81	0.50
14,390.0	88.14	358.86	9,375.7	5,106.2	88.2	5,106.4	3.64	-2.38	-2.76
14,483.0	89.20	358.79	9,377.9	5,199.2	86.3	5,199.4	1.14	1.14	-0.08
14,577.0	89.45	358.71	9,379.0	5,293.1	84.2	5,293.3	0.28	0.27	-0.09
14,672.0	89.90	358.70	9,379.5	5,388.1	82.1	5,388.3	0.47	0.47	-0.01
14,763.0	88.39	358.04	9,380.9	5,479.0	79.5	5,479.2	1.81	-1.66	-0.73
14,856.0	88.25	357.85	9,383.6	5,571.9	76.2	5,572.1	0.25	-0.15	-0.20
14,948.0	88.25	357.53	9,386.4	5,663.8	72.4	5,664.0	0.35	0.00	-0.35
15,041.0	87.83	357.35	9,389.6	5,756.7	68.3	5,756.9	0.49	-0.45	-0.19
15,134.0	88.59	358.15	9,392.5	5,849.6	64.6	5,849.7	1.19	0.82	0.86
15,228.0	88.92	358.17	9,394.6	5,943.5	61.6	5,943.6	0.35	0.35	0.02
15,322.0	89.09	357.66	9,396.2	6,037.4	58.2	6,037.6	0.57	0.18	-0.54
15,416.0	90.29	359.09	9,396.7	6,131.4	55.5	6,131.5	1.99	1.28	1.52
15,508.0	89.20	359.76	9,397.1	6,223.4	54.6	6,223.5	1.39	-1.18	0.73
15,601.0	88.81	0.10	9,398.7	6,316.4	54.5	6,316.5	0.56	-0.42	0.37
15,694.0	90.07	1.34	9,399.6	6,409.3	55.7	6,409.5	1.90	1.35	1.33
15,786.0	89.51	1.21	9,400.0	6,501.3	57.7	6,501.4	0.62	-0.61	-0.14
15,879.0	87.52	359.90	9,402.4	6,594.3	58.6	6,594.4	2.56	-2.14	-1.41
15,971.0	89.45	0.07	9,404.8	6,686.2	58.6	6,686.4	2.11	2.10	0.18
16,065.0	90.38	0.55	9,404.9	6,780.2	59.1	6,780.4	1.11	0.99	0.51
16,159.0	90.18	0.42	9,404.5	6,874.2	59.9	6,874.4	0.25	-0.21	-0.14
16,254.0	90.52	0.68	9,403.9	6,969.2	60.8	6,969.4	0.45	0.36	0.27
16,347.0	89.45	0.27	9,403.9	7,062.2	61.6	7,062.4	1.23	-1.15	-0.44
16,440.0	89.06	359.00	9,405.1	7,155.2	61.0	7,155.3	1.43	-0.42	-1.37
16,533.0	90.27	358.50	9,405.7	7,248.2	59.0	7,248.3	1.41	1.30	-0.54
16,628.0	89.03	357.35	9,406.3	7,343.1	55.5	7,343.2	1.78	-1.31	-1.21
16,729.0	91.12	357.08	9,406.1	7,444.0	50.6	7,444.1	2.09	2.07	-0.27
16,823.0	91.84	357.87	9,403.7	7,537.9	46.5	7,538.0	1.14	0.77	0.84
16,915.0	91.92	0.30	9,400.7	7,629.8	45.0	7,629.9	2.64	0.09	2.64
17,009.0	91.50	359.66	9,397.9	7,723.8	45.0	7,723.8	0.81	-0.45	-0.68
17,103.0	91.19	0.75	9,395.7	7,817.7	45.3	7,817.8	1.21	-0.33	1.16
17,197.0	90.24	1.88	9,394.5	7,911.7	47.5	7,911.8	1.57	-1.01	1.20
17,290.0	89.73	0.48	9,394.5	8,004.7	49.4	8,004.8	1.60	-0.55	-1.51
17,383.0	88.50	0.81	9,396.0	8,097.6	50.4	8,097.8	1.37	-1.32	0.35
17,476.0	88.22	0.75	9,398.6	8,190.6	51.7	8,190.7	0.31	-0.30	-0.06
17,571.0	87.41	0.19	9,402.2	8,285.5	52.5	8,285.6	1.04	-0.85	-0.59
17,665.0	87.46	359.90	9,406.5	8,379.4	52.6	8,379.5	0.31	0.05	-0.31

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H	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)	
17,760.0	89.09	358.63	9,409.3	8,474.4	51.3	8,474.5	2.17	1.72	-1.34	
17,854.0	89.54	358.91	9,410.4	8,568.3	49.3	8,568.5	0.56	0.48	0.30	
17,947.0	88.66	358.63	9,411.9	8,661.3	47.3	8,661.4	0.99	-0.95	-0.30	
18,039.0	89.57	358.10	9,413.3	8,753.3	44.7	8,753.4	1.14	0.99	-0.58	
18,133.0	89.90	358.78	9,413.8	8,847.2	42.1	8,847.3	0.80	0.35	0.72	
18,226.0	90.29	358.71	9,413.6	8,940.2	40.1	8,940.3	0.43	0.42	-0.08	
18,319.0	89.42	359.72	9,413.8	9,033.2	38.8	9,033.3	1.43	-0.94	1.09	
18,413.0	88.56	0.84	9,415.5	9,127.2	39.3	9,127.3	1.50	-0.91	1.19	
18,506.0	89.34	1.55	9,417.2	9,220.1	41.2	9,220.2	1.13	0.84	0.76	
18,599.0	88.05	359.99	9,419.3	9,313.1	42.5	9,313.2	2.18	-1.39	-1.68	
18,693.0	87.55	359.23	9,422.9	9,407.0	41.8	9,407.1	0.97	-0.53	-0.81	
18,784.0	88.22	0.00	9,426.3	9,498.0	41.2	9,498.0	1.12	0.74	0.85	
18,878.0	87.65	359.19	9,429.7	9,591.9	40.6	9,592.0	1.05	-0.61	-0.86	
18,971.0	87.72	358.79	9,433.4	9,684.8	38.9	9,684.9	0.44	0.08	-0.43	
19,063.0	89.73	0.12	9,435.5	9,776.8	38.0	9,776.8	2.62	2.18	1.45	
19,156.0	90.71	1.03	9,435.1	9,869.8	39.0	9,869.8	1.44	1.05	0.98	
19,249.0	90.10	0.04	9,434.5	9,962.8	39.8	9,962.8	1.25	-0.66	-1.06	
19,341.0	89.62	0.82	9,434.7	10,054.8	40.5	10,054.8	1.00	-0.52	0.85	
19,373.7	89.31	0.69	9,435.0	10,087.5	41.0	10,087.5	1.04	-0.96	-0.41	
LTP @ 19373.7'MD, 330'FNL & 919'FWL										
19,414.0	88.92	0.52	9,435.6	10,127.7	41.4	10,127.8	1.04	-0.96	-0.41	
LAST SVY										
19,477.0	88.92	0.52	9,436.8	10,190.7	42.0	10,190.8	0.00	0.00	0.00	
Projection to TD @ 19477'MD, 227'FNL & 921'FWL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
FTP (Myox 21 State C - hit/miss target - Shape - Point)	0.00	0.00	9,347.0	116.1	117.0	403,427.20	573,069.70	32° 6' 32.104 N	104° 5' 50.429 W	
1500'VS (Myox 21 State C - actual wellpath misses target center by 14.3usft at 10781.3usft MD (9351.4 TVD, 1500.0 N, 93.4 E) - Rectangle (sides W60.0 H1,002.0 D20.0)	1.09	359.50	9,360.0	1,499.7	104.7	404,810.80	573,057.45	32° 6' 45.797 N	104° 5' 50.537 W	
LTP (Myox 21 State C - actual wellpath misses target center by 11.5usft at 19373.6usft MD (9435.0 TVD, 10087.3 N, 41.0 E) - Point)	0.00	0.00	9,435.0	10,087.5	29.5	413,398.60	572,982.20	32° 8' 10.787 N	104° 5' 51.193 W	
PBHL (Myox 21 State C - actual wellpath misses target center by 30.1usft at 19477.0usft MD (9436.8 TVD, 10190.7 N, 42.0 E) - Rectangle (sides W60.0 H1,402.0 D20.0)	0.85	359.50	9,435.0	10,217.5	28.4	413,528.60	572,981.10	32° 8' 12.074 N	104° 5' 51.202 W	

Company:	Concho Resources, Inc.	Local Co-ordinate	Reference:	Well Myox 21 State Com #32H
Project:	Eddy County (NAD27 NME)	TVD Reference:		KB @ 3021.7usft (Precision 106)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:		KB @ 3021.7usft (Precision 106)
Well:	Myox 21 State Com #32H.	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 (°)
303.9	303.9	Rustler			
668.9	668.9	TOS			
2,229.4	2,228.9	BOS (Fletcher)			
2,431.8	2,430.9	LMAR (Top Delaware)			
2,486.9	2,485.9	BYCN			
3,316.7	3,314.9	CYCN			
4,564.1	4,561.9	BYCN			
6,113.9	6,110.9	Bone Sprg (BSGL)			
6,464.0	6,460.9	U Avalon Sh			
6,667.1	6,663.9	L Avalon Sh			
7,055.3	7,051.9	FBSG_sand			
7,914.5	7,910.9	SBSG_sand			
8,910.7	8,905.9	TBSG_sand			
9,374.3	9,266.9	WFMP			
10,421.8	9,349.9	WFMP Lith			

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			Comment
		+N/-S (usft)	+E/-W (usft)		
9,386.4	9,270.9	116.1	126.1	FTP @ 9386.4'MD, 330'FSL & 917'FWL	
19,373.7	9,435.0	10,087.5	41.0	LTP @ 19373.7'MD, 330'FNL & 919'FWL	
19,414.0	9,435.6	10,127.7	41.4	LAST SVY	
19,477.0	9,436.8	10,190.7	42.0	Projection to TD @ 19477'MD, 227'FNL & 921'FWL	

Checked By: _____	Approved By: _____	Date: _____
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