



C O N C H O

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FEB 19 2019

DISTRICT II-ARTESIA O.C.D.

Concho Resources, Inc.

Eddy County (NAD27 NME)

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

Myox 21 State Com #41H

OWB

30-015-44937

Design: AWB

Standard Survey Report

30 May, 2018

 **INTREPID**



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 21 State Com #41H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Myox 21 State Com #41H
TVD Reference: KB @ 3014.8usft (Latshaw 44)
MD Reference: KB @ 3014.8usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 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 #41H		
Well Position	+N/-S	0.0 usft	Northing: 403,784.57 usft
	+E/-W	0.0 usft	Easting: 573,028.41 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 6' 35.641 N
		Longitude:	104° 5' 50.900 W
		Ground Level:	2,989.8 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	05/04/18	(°) 7.09
			Dip Angle (°) 59.86
			Field Strength (nT) 47,727.07035351

Design	AWB		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
Vertical Section:	Depth From (TVD)	+N/-S	Tie On Depth:
	(usft)	(usft)	
	0.0	0.0	0.0
			Direction (°) 359.50

Survey Program	Date 05/30/18		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
100.0	9,390.0	Scientific Gyro (OWB)	Standard Keeper 104
9,510.0	19,900.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS
			Description
			Standard Wireline Keeper ver 1.0.4
			MWD + IFR1 + Multi-Station Correction

Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.47	138.03	100.0	-0.3	0.3	-0.3	0.47	0.47	0.00
125.0	0.64	137.62	125.0	-0.5	0.4	-0.5	0.68	0.68	-1.64
150.0	0.80	136.08	150.0	-0.7	0.7	-0.7	0.64	0.64	-6.16
175.0	0.80	136.13	175.0	-1.0	0.9	-1.0	0.00	0.00	0.20
200.0	0.73	140.23	200.0	-1.2	1.1	-1.2	0.36	-0.28	16.40
225.0	0.81	145.31	225.0	-1.5	1.3	-1.5	0.42	0.32	20.32
250.0	0.82	158.34	250.0	-1.8	1.5	-1.8	0.74	0.04	52.12
275.0	0.86	170.58	275.0	-2.1	1.6	-2.2	0.73	0.16	48.96
300.0	0.83	181.22	300.0	-2.5	1.6	-2.5	0.64	-0.12	42.56

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #41H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3014.8usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3014.8usft (Latshaw 44)
Well:	Myox 21 State Com #41H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.1 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	0.83	197.16	325.0	-2.9	1.6	-2.9	0.92	0.00	63.76
350.0	0.98	194.23	350.0	-3.2	1.4	-3.3	0.63	0.60	-11.72
375.0	0.95	202.68	375.0	-3.6	1.3	-3.7	0.58	-0.12	33.80
400.0	0.88	205.29	400.0	-4.0	1.2	-4.0	0.33	-0.28	10.44
425.0	0.88	203.01	425.0	-4.4	1.0	-4.4	0.14	0.00	-9.12
450.0	0.88	205.66	450.0	-4.7	0.8	-4.7	0.16	0.00	10.60
475.0	0.84	210.17	475.0	-5.0	0.7	-5.0	0.31	-0.16	18.04
500.0	0.71	216.24	500.0	-5.3	0.5	-5.3	0.61	-0.52	24.28
525.0	0.65	224.52	525.0	-5.5	0.3	-5.6	0.46	-0.24	33.12
550.0	0.62	232.56	550.0	-5.7	0.1	-5.7	0.38	-0.12	32.16
575.0	0.59	236.43	575.0	-5.9	-0.1	-5.9	0.20	-0.12	15.48
600.0	0.59	233.72	600.0	-6.0	-0.3	-6.0	0.11	0.00	-10.84
625.0	0.53	234.05	625.0	-6.2	-0.5	-6.2	0.24	-0.24	1.32
650.0	0.47	243.19	649.9	-6.3	-0.7	-6.3	0.40	-0.24	36.56
675.0	0.39	239.04	674.9	-6.4	-0.9	-6.4	0.34	-0.32	-16.60
700.0	0.31	245.76	699.9	-6.5	-1.0	-6.4	0.36	-0.32	26.88
725.0	0.39	246.01	724.9	-6.5	-1.2	-6.5	0.32	0.32	1.00
750.0	0.62	218.99	749.9	-6.7	-1.3	-6.6	1.30	0.92	-108.08
775.0	1.01	202.53	774.9	-7.0	-1.5	-6.9	1.80	1.56	-65.84
800.0	1.71	184.97	799.9	-7.5	-1.6	-7.5	3.23	2.80	-70.24
825.0	2.12	187.71	824.9	-8.4	-1.7	-8.4	1.68	1.64	10.96
850.0	2.24	186.90	849.9	-9.3	-1.8	-9.3	0.50	0.48	-3.24
875.0	2.30	191.29	874.9	-10.3	-2.0	-10.3	0.74	0.24	17.56
900.0	2.31	191.10	899.9	-11.3	-2.2	-11.3	0.05	0.04	-0.76
925.0	2.31	189.20	924.8	-12.3	-2.4	-12.2	0.31	0.00	-7.60
950.0	2.34	191.15	949.8	-13.3	-2.5	-13.2	0.34	0.12	7.80
975.0	2.29	190.98	974.8	-14.3	-2.7	-14.2	0.20	-0.20	-0.68
1,000.0	2.27	190.44	999.8	-15.2	-2.9	-15.2	0.12	-0.08	-2.16
1,025.0	2.22	188.53	1,024.8	-16.2	-3.1	-16.2	0.36	-0.20	-7.64
1,050.0	2.08	182.72	1,049.7	-17.1	-3.2	-17.1	1.04	-0.56	-23.24
1,075.0	1.77	177.34	1,074.7	-18.0	-3.2	-17.9	1.43	-1.24	-21.52
1,100.0	1.72	173.87	1,099.7	-18.7	-3.1	-18.7	0.47	-0.20	-13.88
1,125.0	1.65	173.84	1,124.7	-19.5	-3.0	-19.4	0.28	-0.28	-0.12
1,150.0	1.70	174.83	1,149.7	-20.2	-3.0	-20.2	0.23	0.20	3.96
1,175.0	1.78	173.64	1,174.7	-20.9	-2.9	-20.9	0.35	0.32	-4.76
1,200.0	1.75	177.59	1,199.7	-21.7	-2.8	-21.7	0.50	-0.12	15.80
1,225.0	1.75	170.99	1,224.7	-22.5	-2.8	-22.4	0.81	0.00	-26.40
1,250.0	1.70	174.57	1,249.7	-23.2	-2.7	-23.2	0.48	-0.20	14.32
1,275.0	1.63	175.89	1,274.6	-23.9	-2.6	-23.9	0.32	-0.28	5.28
1,300.0	1.60	179.10	1,299.6	-24.6	-2.6	-24.6	0.38	-0.12	12.84
1,325.0	1.59	181.39	1,324.6	-25.3	-2.6	-25.3	0.26	-0.04	9.16
1,350.0	1.53	178.08	1,349.6	-26.0	-2.6	-26.0	0.43	-0.24	-13.24
1,375.0	1.41	181.76	1,374.6	-26.7	-2.6	-26.6	0.61	-0.48	14.72



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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)
1,400.0	1.44	183.68	1,399.6	-27.3	-2.6	-27.3	0.23	0.12	7.68
1,425.0	1.42	183.59	1,424.6	-27.9	-2.6	-27.9	0.08	-0.08	-0.36
1,450.0	1.37	189.66	1,449.6	-28.5	-2.7	-28.5	0.62	-0.20	24.28
1,475.0	1.48	189.02	1,474.6	-29.1	-2.8	-29.1	0.44	0.44	-2.56
1,500.0	1.37	193.16	1,499.6	-29.7	-2.9	-29.7	0.60	-0.44	16.56
1,525.0	1.37	190.24	1,524.6	-30.3	-3.0	-30.3	0.28	0.00	-11.68
1,550.0	1.33	189.07	1,549.6	-30.9	-3.1	-30.9	0.19	-0.16	-4.68
1,575.0	1.40	188.96	1,574.5	-31.5	-3.2	-31.5	0.28	0.28	-0.44
1,600.0	1.44	191.74	1,599.5	-32.1	-3.4	-32.1	0.32	0.16	11.12
1,625.0	1.57	189.71	1,624.5	-32.7	-3.5	-32.7	0.56	0.52	-8.12
1,650.0	1.66	188.31	1,649.5	-33.4	-3.6	-33.4	0.39	0.36	-5.60
1,675.0	1.71	183.10	1,674.5	-34.2	-3.7	-34.1	0.64	0.20	-20.84
1,700.0	1.78	180.65	1,699.5	-34.9	-3.7	-34.9	0.41	0.28	-9.80
1,725.0	1.91	174.76	1,724.5	-35.7	-3.6	-35.7	0.92	0.52	-23.56
1,750.0	1.95	173.16	1,749.5	-36.6	-3.6	-36.5	0.27	0.16	-6.40
1,775.0	2.05	168.62	1,774.5	-37.4	-3.4	-37.4	0.75	0.40	-18.16
1,800.0	2.13	160.17	1,799.4	-38.3	-3.2	-38.3	1.27	0.32	-33.80
1,825.0	2.11	156.55	1,824.4	-39.2	-2.8	-39.1	0.54	-0.08	-14.48
1,850.0	2.28	151.59	1,849.4	-40.0	-2.4	-40.0	1.02	0.68	-19.84
1,875.0	2.29	150.93	1,874.4	-40.9	-1.9	-40.9	0.11	0.04	-2.64
1,900.0	1.99	144.82	1,899.4	-41.7	-1.4	-41.7	1.51	-1.20	-24.44
1,925.0	1.95	140.87	1,924.4	-42.4	-0.9	-42.4	0.57	-0.16	-15.80
1,950.0	2.10	139.37	1,949.3	-43.0	-0.4	-43.0	0.64	0.60	-6.00
1,975.0	2.07	139.41	1,974.3	-43.7	0.2	-43.7	0.12	-0.12	0.16
2,000.0	1.97	141.10	1,999.3	-44.4	0.8	-44.4	0.47	-0.40	6.76
2,025.0	2.04	142.30	2,024.3	-45.1	1.3	-45.1	0.33	0.28	4.80
2,050.0	1.97	144.05	2,049.3	-45.8	1.9	-45.8	0.37	-0.28	7.00
2,075.0	2.09	144.99	2,074.3	-46.5	2.4	-46.5	0.50	0.48	3.76
2,100.0	2.09	144.02	2,099.2	-47.3	2.9	-47.3	0.14	0.00	-3.88
2,125.0	2.03	143.14	2,124.2	-48.0	3.4	-48.0	0.27	-0.24	-3.52
2,150.0	2.06	143.84	2,149.2	-48.7	4.0	-48.7	0.16	0.12	2.80
2,175.0	2.02	144.15	2,174.2	-49.4	4.5	-49.5	0.17	-0.16	1.24
2,200.0	1.90	148.17	2,199.2	-50.1	5.0	-50.2	0.73	-0.48	16.08
2,225.0	1.80	147.72	2,224.2	-50.8	5.4	-50.9	0.40	-0.40	-1.80
2,250.0	1.72	151.59	2,249.2	-51.5	5.8	-51.5	0.57	-0.32	15.48
2,275.0	1.37	160.38	2,274.1	-52.1	6.1	-52.1	1.69	-1.40	35.16
2,300.0	1.20	167.95	2,299.1	-52.6	6.2	-52.7	0.96	-0.68	30.28
2,325.0	1.16	177.13	2,324.1	-53.1	6.3	-53.2	0.77	-0.16	36.72
2,350.0	1.15	188.43	2,349.1	-53.6	6.3	-53.7	0.91	-0.04	45.20
2,375.0	1.23	187.61	2,374.1	-54.2	6.2	-54.2	0.33	0.32	-3.28
2,400.0	1.14	183.36	2,399.1	-54.7	6.1	-54.7	0.50	-0.36	-17.00
2,425.0	1.21	184.63	2,424.1	-55.2	6.1	-55.2	0.30	0.28	5.08
2,450.0	1.10	187.21	2,449.1	-55.7	6.1	-55.7	0.49	-0.44	10.32

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2,475.0	1.25	186.03	2,474.1	-56.2	6.0	-56.2	0.61	0.60	-4.72
2,500.0	1.21	185.30	2,499.1	-56.7	5.9	-56.8	0.17	-0.16	-2.92
2,525.0	1.19	185.89	2,524.1	-57.2	5.9	-57.3	0.09	-0.08	2.36
2,550.0	1.18	184.93	2,549.1	-57.8	5.8	-57.8	0.09	-0.04	-3.84
2,575.0	1.19	187.31	2,574.1	-58.3	5.8	-58.3	0.20	0.04	9.52
2,600.0	1.25	189.48	2,599.1	-58.8	5.7	-58.8	0.30	0.24	8.68
2,625.0	1.22	188.82	2,624.1	-59.3	5.6	-59.4	0.13	-0.12	-2.64
2,650.0	1.21	197.48	2,649.1	-59.8	5.5	-59.9	0.73	-0.04	34.64
2,675.0	1.27	206.01	2,674.1	-60.3	5.3	-60.4	0.78	0.24	34.12
2,700.0	1.37	216.24	2,699.1	-60.8	5.0	-60.9	1.02	0.40	40.92
2,725.0	1.35	213.69	2,724.0	-61.3	4.7	-61.4	0.25	-0.08	-10.20
2,750.0	1.34	213.51	2,749.0	-61.8	4.3	-61.8	0.04	-0.04	-0.72
2,775.0	1.31	215.77	2,774.0	-62.3	4.0	-62.3	0.24	-0.12	9.04
2,800.0	1.35	218.33	2,799.0	-62.7	3.7	-62.8	0.29	0.16	10.24
2,825.0	1.39	216.73	2,824.0	-63.2	3.3	-63.2	0.22	0.16	-6.40
2,850.0	1.38	215.42	2,849.0	-63.7	2.9	-63.7	0.13	-0.04	-5.24
2,875.0	1.43	207.12	2,874.0	-64.2	2.6	-64.3	0.84	0.20	-33.20
2,900.0	1.56	206.87	2,899.0	-64.8	2.3	-64.8	0.52	0.52	-1.00
2,925.0	1.67	207.10	2,924.0	-65.4	2.0	-65.5	0.44	0.44	0.92
2,950.0	1.62	206.42	2,949.0	-66.1	1.7	-66.1	0.21	-0.20	-2.72
2,975.0	1.59	208.70	2,974.0	-66.7	1.4	-66.7	0.28	-0.12	9.12
3,000.0	1.55	207.54	2,999.0	-67.3	1.0	-67.3	0.20	-0.16	-4.64
3,025.0	1.68	205.85	3,023.9	-67.9	0.7	-67.9	0.55	0.52	-6.76
3,050.0	1.71	204.06	3,048.9	-68.6	0.4	-68.6	0.24	0.12	-7.16
3,075.0	1.70	203.67	3,073.9	-69.3	0.1	-69.3	0.06	-0.04	-1.56
3,100.0	1.82	211.40	3,098.9	-70.0	-0.2	-70.0	1.06	0.48	30.92
3,125.0	1.93	211.37	3,123.9	-70.7	-0.7	-70.7	0.44	0.44	-0.12
3,150.0	1.87	215.70	3,148.9	-71.4	-1.1	-71.3	0.62	-0.24	17.32
3,175.0	1.92	212.26	3,173.9	-72.0	-1.6	-72.0	0.50	0.20	-13.76
3,200.0	1.86	211.46	3,198.9	-72.7	-2.0	-72.7	0.26	-0.24	-3.20
3,225.0	1.86	215.34	3,223.8	-73.4	-2.5	-73.4	0.50	0.00	15.52
3,250.0	1.88	215.04	3,248.8	-74.1	-2.9	-74.1	0.09	0.08	-1.20
3,275.0	1.94	213.31	3,273.8	-74.8	-3.4	-74.7	0.33	0.24	-6.92
3,300.0	1.91	215.39	3,298.8	-75.5	-3.9	-75.4	0.30	-0.12	8.32
3,325.0	2.00	216.89	3,323.8	-76.2	-4.4	-76.1	0.41	0.36	6.00
3,350.0	1.97	214.72	3,348.8	-76.9	-4.9	-76.8	0.32	-0.12	-8.68
3,375.0	1.95	215.04	3,373.8	-77.6	-5.4	-77.5	0.09	-0.08	1.28
3,400.0	1.95	210.65	3,398.7	-78.3	-5.8	-78.2	0.60	0.00	-17.56
3,425.0	1.90	210.91	3,423.7	-79.0	-6.3	-78.9	0.20	-0.20	1.04
3,450.0	1.95	201.19	3,448.7	-79.7	-6.6	-79.7	1.32	0.20	-38.88
3,475.0	2.02	194.76	3,473.7	-80.6	-6.9	-80.5	0.93	0.28	-25.72
3,500.0	2.01	192.46	3,498.7	-81.4	-7.1	-81.4	0.33	-0.04	-9.20
3,525.0	2.04	191.19	3,523.7	-82.3	-7.3	-82.2	0.22	0.12	-5.08
3,550.0	2.05	190.65	3,548.7	-83.2	-7.5	-83.1	0.09	0.04	-2.16

Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 21 State Com #41H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Myox 21 State Com #41H
TVD Reference: KB @ 3014.8usft (Latshaw 44)
MD Reference: KB @ 3014.8usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 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)
3,575.0	2.14	185.25	3,573.6	-84.1	-7.6	-84.0	0.87	0.36	-21.60
3,600.0	2.11	184.25	3,598.6	-85.0	-7.7	-84.9	0.19	-0.12	-4.00
3,625.0	2.08	183.42	3,623.6	-85.9	-7.7	-85.8	0.17	-0.12	-3.32
3,650.0	2.08	184.32	3,648.6	-86.8	-7.8	-86.7	0.13	0.00	3.60
3,675.0	2.03	184.95	3,673.6	-87.7	-7.9	-87.6	0.22	-0.20	2.52
3,700.0	1.88	179.56	3,698.6	-88.6	-7.9	-88.5	0.95	-0.60	-21.56
3,725.0	1.75	176.61	3,723.5	-89.3	-7.9	-89.3	0.64	-0.52	-11.80
3,750.0	1.66	175.58	3,748.5	-90.1	-7.8	-90.0	0.38	-0.36	-4.12
3,775.0	1.56	174.09	3,773.5	-90.8	-7.8	-90.7	0.43	-0.40	-5.96
3,800.0	1.49	179.02	3,798.5	-91.5	-7.7	-91.4	0.59	-0.28	19.72
3,825.0	1.47	181.49	3,823.5	-92.1	-7.7	-92.0	0.27	-0.08	9.88
3,850.0	1.31	177.31	3,848.5	-92.7	-7.7	-92.6	0.76	-0.64	-16.72
3,875.0	1.31	183.73	3,873.5	-93.3	-7.7	-93.2	0.59	0.00	25.68
3,900.0	1.30	186.88	3,898.5	-93.8	-7.8	-93.8	0.29	-0.04	12.60
3,925.0	1.34	185.75	3,923.5	-94.4	-7.8	-94.3	0.19	0.16	-4.52
3,950.0	1.34	183.22	3,948.5	-95.0	-7.9	-94.9	0.24	0.00	-10.12
3,975.0	1.31	179.46	3,973.5	-95.6	-7.9	-95.5	0.37	-0.12	-15.04
4,000.0	1.26	176.27	3,998.5	-96.1	-7.9	-96.1	0.35	-0.20	-12.76
4,025.0	1.22	179.37	4,023.5	-96.7	-7.8	-96.6	0.31	-0.16	12.40
4,050.0	1.25	171.69	4,048.4	-97.2	-7.8	-97.1	0.67	0.12	-30.72
4,075.0	1.21	167.84	4,073.4	-97.7	-7.7	-97.7	0.37	-0.16	-15.40
4,100.0	1.13	172.37	4,098.4	-98.2	-7.6	-98.2	0.49	-0.32	18.12
4,125.0	1.16	170.39	4,123.4	-98.7	-7.5	-98.7	0.20	0.12	-7.92
4,150.0	1.21	172.29	4,148.4	-99.2	-7.5	-99.2	0.25	0.20	7.60
4,175.0	1.18	170.25	4,173.4	-99.8	-7.4	-99.7	0.21	-0.12	-8.16
4,200.0	1.16	172.38	4,198.4	-100.3	-7.3	-100.2	0.19	-0.08	8.52
4,225.0	1.17	177.05	4,223.4	-100.8	-7.3	-100.7	0.38	0.04	18.68
4,250.0	1.21	173.31	4,248.4	-101.3	-7.2	-101.2	0.35	0.16	-14.96
4,275.0	1.20	167.26	4,273.4	-101.8	-7.1	-101.7	0.51	-0.04	-24.20
4,300.0	1.16	171.38	4,298.4	-102.3	-7.0	-102.2	0.38	-0.16	16.48
4,325.0	1.22	171.37	4,323.4	-102.8	-7.0	-102.8	0.24	0.24	-0.04
4,350.0	1.22	169.13	4,348.4	-103.3	-6.9	-103.3	0.19	0.00	-8.96
4,375.0	1.14	172.22	4,373.4	-103.9	-6.8	-103.8	0.41	-0.32	12.36
4,400.0	1.23	172.83	4,398.4	-104.4	-6.7	-104.3	0.36	0.36	2.44
4,425.0	1.25	170.08	4,423.4	-104.9	-6.6	-104.8	0.25	0.08	-11.00
4,450.0	1.23	173.19	4,448.4	-105.4	-6.6	-105.4	0.28	-0.08	12.44
4,475.0	1.27	177.24	4,473.4	-106.0	-6.5	-105.9	0.39	0.16	16.20
4,500.0	1.21	179.98	4,498.3	-106.5	-6.5	-106.5	0.34	-0.24	10.96
4,525.0	1.29	180.22	4,523.3	-107.1	-6.5	-107.0	0.32	0.32	0.96
4,550.0	1.27	179.95	4,548.3	-107.6	-6.5	-107.6	0.08	-0.08	-1.08
4,575.0	1.23	177.80	4,573.3	-108.2	-6.5	-108.1	0.25	-0.16	-8.60
4,600.0	1.31	179.42	4,598.3	-108.7	-6.5	-108.7	0.35	0.32	6.48
4,625.0	1.33	182.07	4,623.3	-109.3	-6.5	-109.2	0.26	0.08	10.60

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #41H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3014.8usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3014.8usft (Latshaw 44)
Well:	Myox 21 State Com #41H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.1 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)
4,650.0	1.31	178.64	4,648.3	-109.9	-6.5	-109.8	0.33	-0.08	-13.72
4,675.0	1.29	188.01	4,673.3	-110.4	-6.5	-110.4	0.85	-0.08	37.48
4,700.0	1.44	186.09	4,698.3	-111.0	-6.6	-111.0	0.63	0.60	-7.68
4,725.0	1.41	182.92	4,723.3	-111.7	-6.6	-111.6	0.34	-0.12	-12.68
4,750.0	1.51	184.01	4,748.3	-112.3	-6.7	-112.2	0.42	0.40	4.36
4,775.0	1.72	180.63	4,773.3	-113.0	-6.7	-112.9	0.92	0.84	-13.52
4,800.0	1.76	180.91	4,798.3	-113.8	-6.7	-113.7	0.16	0.16	1.12
4,825.0	1.78	180.28	4,823.2	-114.5	-6.7	-114.5	0.11	0.08	-2.52
4,850.0	1.77	181.39	4,848.2	-115.3	-6.7	-115.2	0.14	-0.04	4.44
4,875.0	1.75	182.17	4,873.2	-116.1	-6.8	-116.0	0.12	-0.08	3.12
4,900.0	1.77	179.95	4,898.2	-116.8	-6.8	-116.8	0.28	0.08	-8.88
4,925.0	1.68	175.44	4,923.2	-117.6	-6.7	-117.5	0.65	-0.36	-18.04
4,950.0	1.57	177.32	4,948.2	-118.3	-6.7	-118.2	0.49	-0.44	7.52
4,975.0	1.61	177.88	4,973.2	-119.0	-6.7	-118.9	0.17	0.16	2.24
5,000.0	1.56	176.04	4,998.2	-119.7	-6.6	-119.6	0.29	-0.20	-7.36
5,025.0	1.51	177.35	5,023.2	-120.3	-6.6	-120.3	0.24	-0.20	5.24
5,050.0	1.45	179.15	5,048.2	-121.0	-6.6	-120.9	0.30	-0.24	7.20
5,075.0	1.48	175.51	5,073.1	-121.6	-6.5	-121.6	0.39	0.12	-14.56
5,100.0	1.41	175.57	5,098.1	-122.3	-6.5	-122.2	0.28	-0.28	0.24
5,125.0	1.32	179.01	5,123.1	-122.8	-6.5	-122.8	0.49	-0.36	13.76
5,150.0	1.34	177.41	5,148.1	-123.4	-6.5	-123.4	0.17	0.08	-6.40
5,175.0	1.32	180.07	5,173.1	-124.0	-6.4	-123.9	0.26	-0.08	10.64
5,200.0	1.33	179.50	5,198.1	-124.6	-6.4	-124.5	0.07	0.04	-2.28
5,225.0	1.23	178.72	5,223.1	-125.1	-6.4	-125.1	0.41	-0.40	-3.12
5,250.0	1.22	181.58	5,248.1	-125.7	-6.4	-125.6	0.25	-0.04	11.44
5,275.0	1.14	176.84	5,273.1	-126.2	-6.4	-126.1	0.50	-0.32	-18.96
5,300.0	1.08	174.75	5,298.1	-126.7	-6.4	-126.6	0.29	-0.24	-8.36
5,325.0	1.12	172.73	5,323.1	-127.2	-6.3	-127.1	0.22	0.16	-8.08
5,350.0	1.00	173.20	5,348.1	-127.6	-6.3	-127.6	0.48	-0.48	1.88
5,375.0	1.03	172.60	5,373.1	-128.1	-6.2	-128.0	0.13	0.12	-2.40
5,400.0	0.92	174.69	5,398.1	-128.5	-6.2	-128.4	0.46	-0.44	8.36
5,425.0	0.95	175.80	5,423.1	-128.9	-6.1	-128.8	0.14	0.12	4.44
5,450.0	0.96	170.40	5,448.1	-129.3	-6.1	-129.2	0.36	0.04	-21.60
5,475.0	0.91	168.98	5,473.1	-129.7	-6.0	-129.6	0.22	-0.20	-5.68
5,500.0	0.73	162.60	5,498.1	-130.0	-5.9	-130.0	0.81	-0.72	-25.52
5,525.0	0.77	168.15	5,523.1	-130.4	-5.9	-130.3	0.33	0.16	22.20
5,550.0	0.82	171.06	5,548.1	-130.7	-5.8	-130.6	0.26	0.20	11.64
5,575.0	0.79	164.33	5,573.1	-131.0	-5.7	-131.0	0.40	-0.12	-26.92
5,600.0	0.79	164.32	5,598.0	-131.4	-5.6	-131.3	0.00	0.00	-0.04
5,625.0	0.78	169.39	5,623.0	-131.7	-5.5	-131.7	0.28	-0.04	20.28
5,650.0	0.88	165.63	5,648.0	-132.1	-5.5	-132.0	0.46	0.40	-15.04
5,675.0	0.79	166.93	5,673.0	-132.4	-5.4	-132.4	0.37	-0.36	5.20
5,700.0	0.81	169.13	5,698.0	-132.8	-5.3	-132.7	0.15	0.08	8.80



Intrepid
Survey Report



Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 21 State Com #41H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Myox 21 State Com #41H
TVD Reference: KB @ 3014.8usft (Latshaw 44)
MD Reference: KB @ 3014.8usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 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)
5,725.0	0.79	174.56	5,723.0	-133.1	-5.3	-133.1	0.31	-0.08	21.72
5,750.0	0.79	169.56	5,748.0	-133.4	-5.2	-133.4	0.28	0.00	-20.00
5,775.0	0.84	173.99	5,773.0	-133.8	-5.2	-133.7	0.32	0.20	17.72
5,800.0	0.85	168.12	5,798.0	-134.2	-5.1	-134.1	0.35	0.04	-23.48
5,825.0	0.85	169.10	5,823.0	-134.5	-5.0	-134.5	0.06	0.00	3.92
5,850.0	0.84	171.14	5,848.0	-134.9	-5.0	-134.8	0.13	-0.04	8.16
5,875.0	0.83	179.99	5,873.0	-135.2	-4.9	-135.2	0.52	-0.04	35.40
5,900.0	0.84	168.03	5,898.0	-135.6	-4.9	-135.6	0.70	0.04	-47.84
5,925.0	0.77	177.43	5,923.0	-136.0	-4.9	-135.9	0.60	-0.28	37.60
5,950.0	0.88	178.15	5,948.0	-136.3	-4.8	-136.3	0.44	0.44	2.88
5,975.0	0.79	188.90	5,973.0	-136.7	-4.9	-136.6	0.72	-0.36	43.00
6,000.0	0.85	188.81	5,998.0	-137.0	-4.9	-137.0	0.24	0.24	-0.36
6,025.0	1.18	199.10	6,023.0	-137.5	-5.0	-137.4	1.50	1.32	41.16
6,050.0	1.00	191.49	6,048.0	-137.9	-5.2	-137.9	0.92	-0.72	-30.44
6,075.0	1.15	188.95	6,073.0	-138.4	-5.2	-138.3	0.63	0.60	-10.16
6,100.0	1.46	191.86	6,098.0	-138.9	-5.3	-138.9	1.27	1.24	11.64
6,125.0	1.49	190.99	6,123.0	-139.6	-5.5	-139.5	0.15	0.12	-3.48
6,150.0	1.52	182.01	6,148.0	-140.2	-5.5	-140.2	0.95	0.12	-35.92
6,175.0	1.65	163.55	6,173.0	-140.9	-5.5	-140.8	2.10	0.52	-73.84
6,200.0	1.85	147.55	6,198.0	-141.6	-5.1	-141.5	2.10	0.80	-64.00
6,225.0	1.82	144.83	6,222.9	-142.2	-4.7	-142.2	0.37	-0.12	-10.88
6,250.0	1.93	147.61	6,247.9	-142.9	-4.2	-142.9	0.57	0.44	11.12
6,275.0	1.96	147.71	6,272.9	-143.6	-3.8	-143.6	0.12	0.12	0.40
6,300.0	1.89	147.38	6,297.9	-144.3	-3.3	-144.3	0.28	-0.28	-1.32
6,325.0	1.90	147.60	6,322.9	-145.0	-2.9	-145.0	0.05	0.04	0.88
6,350.0	1.78	149.75	6,347.9	-145.7	-2.5	-145.7	0.55	-0.48	8.60
6,375.0	1.75	149.14	6,372.9	-146.4	-2.1	-146.4	0.14	-0.12	-2.44
6,400.0	1.65	148.80	6,397.8	-147.0	-1.7	-147.0	0.40	-0.40	-1.36
6,425.0	1.57	153.48	6,422.8	-147.6	-1.4	-147.6	0.62	-0.32	18.72
6,450.0	1.39	151.24	6,447.8	-148.2	-1.1	-148.2	0.76	-0.72	-8.96
6,475.0	1.25	152.67	6,472.8	-148.7	-0.8	-148.7	0.58	-0.56	5.72
6,500.0	1.12	154.90	6,497.8	-149.2	-0.6	-149.2	0.55	-0.52	8.92
6,525.0	1.10	167.00	6,522.8	-149.6	-0.4	-149.6	0.94	-0.08	48.40
6,550.0	1.09	173.66	6,547.8	-150.1	-0.3	-150.1	0.51	-0.04	26.64
6,575.0	1.04	178.72	6,572.8	-150.6	-0.3	-150.6	0.43	-0.20	20.24
6,600.0	1.11	174.47	6,597.8	-151.0	-0.3	-151.0	0.42	0.28	-17.00
6,625.0	1.24	171.11	6,622.8	-151.6	-0.2	-151.5	0.59	0.52	-13.44
6,650.0	1.41	166.60	6,647.8	-152.1	-0.1	-152.1	0.80	0.68	-18.04
6,675.0	1.68	165.34	6,672.8	-152.8	0.1	-152.8	1.09	1.08	-5.04
6,700.0	1.62	162.60	6,697.8	-153.5	0.3	-153.5	0.40	-0.24	-10.96
6,725.0	1.70	163.51	6,722.8	-154.2	0.5	-154.2	0.34	0.32	3.64
6,750.0	1.77	166.69	6,747.7	-154.9	0.7	-154.9	0.48	0.28	12.72
6,775.0	1.73	169.18	6,772.7	-155.6	0.8	-155.6	0.34	-0.16	9.96
6,800.0	1.83	176.19	6,797.7	-156.4	0.9	-156.4	0.96	0.40	28.04

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #41H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3014.8usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3014.8usft (Latshaw 44)
Well:	Myox 21 State Com #41H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.1 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)	
6,825.0	1.85	181.69	6,822.7	-157.2	1.0	-157.2	0.71	0.08	22.00	
6,850.0	1.99	188.51	6,847.7	-158.0	0.9	-158.0	1.07	0.56	27.28	
6,875.0	2.11	189.34	6,872.7	-158.9	0.7	-158.9	0.49	0.48	3.32	
6,900.0	2.21	193.58	6,897.7	-159.8	0.6	-159.8	0.75	0.40	16.96	
6,925.0	2.29	192.96	6,922.6	-160.8	0.3	-160.8	0.33	0.32	-2.48	
6,950.0	2.43	197.02	6,947.6	-161.8	0.1	-161.8	0.87	0.56	16.24	
6,975.0	2.54	197.19	6,972.6	-162.8	-0.3	-162.8	0.44	0.44	0.68	
7,000.0	2.30	198.18	6,997.6	-163.8	-0.6	-163.8	0.97	-0.96	3.96	
7,025.0	2.20	196.41	7,022.6	-164.8	-0.9	-164.8	0.49	-0.40	-7.08	
7,050.0	1.74	193.03	7,047.5	-165.6	-1.1	-165.6	1.90	-1.84	-13.52	
7,075.0	1.44	191.77	7,072.5	-166.3	-1.2	-166.3	1.21	-1.20	-5.04	
7,100.0	1.32	185.80	7,097.5	-166.9	-1.3	-166.9	0.75	-0.48	-23.88	
7,125.0	1.17	168.94	7,122.5	-167.4	-1.3	-167.4	1.58	-0.60	-67.44	
7,150.0	0.96	165.32	7,147.5	-167.9	-1.2	-167.8	0.88	-0.84	-14.48	
7,175.0	0.95	168.44	7,172.5	-168.3	-1.1	-168.3	0.21	-0.04	12.48	
7,200.0	0.90	170.91	7,197.5	-168.7	-1.0	-168.7	0.26	-0.20	9.88	
7,225.0	0.61	169.58	7,222.5	-169.0	-1.0	-169.0	1.16	-1.16	-5.32	
7,250.0	0.38	182.11	7,247.5	-169.2	-1.0	-169.2	1.01	-0.92	50.12	
7,275.0	0.09	243.15	7,272.5	-169.3	-1.0	-169.3	1.38	-1.16	244.16	
7,300.0	0.25	321.57	7,297.5	-169.3	-1.0	-169.2	0.99	0.64	313.68	
7,325.0	0.52	2.42	7,322.5	-169.1	-1.1	-169.1	1.48	1.08	163.40	
7,350.0	0.61	1.81	7,347.5	-168.9	-1.1	-168.8	0.36	0.36	-2.44	
7,375.0	0.66	8.39	7,372.5	-168.6	-1.0	-168.6	0.35	0.20	26.32	
7,400.0	0.69	22.43	7,397.5	-168.3	-1.0	-168.3	0.67	0.12	56.16	
7,425.0	0.73	32.02	7,422.5	-168.0	-0.8	-168.0	0.50	0.16	38.36	
7,450.0	0.62	51.92	7,447.5	-167.8	-0.6	-167.8	1.03	-0.44	79.60	
7,475.0	0.59	53.73	7,472.5	-167.7	-0.4	-167.6	0.14	-0.12	7.24	
7,500.0	0.35	109.85	7,497.5	-167.6	-0.2	-167.6	1.96	-0.96	224.48	
7,525.0	0.46	146.33	7,522.5	-167.7	-0.1	-167.7	1.10	0.44	145.92	
7,550.0	0.71	165.41	7,547.5	-167.9	0.0	-167.9	1.25	1.00	76.32	
7,575.0	1.43	179.19	7,572.5	-168.4	0.0	-168.4	3.04	2.88	55.12	
7,600.0	1.97	182.42	7,597.5	-169.1	0.0	-169.1	2.19	2.16	12.92	
7,625.0	2.33	183.82	7,622.5	-170.1	0.0	-170.1	1.46	1.44	5.60	
7,650.0	2.68	192.14	7,647.4	-171.2	-0.2	-171.2	2.02	1.40	33.28	
7,675.0	2.67	193.46	7,672.4	-172.3	-0.5	-172.3	0.25	-0.04	5.28	
7,700.0	2.82	200.45	7,697.4	-173.4	-0.8	-173.4	1.47	0.60	27.96	
7,725.0	2.69	203.72	7,722.3	-174.6	-1.3	-174.5	0.82	-0.52	13.08	
7,750.0	2.53	209.30	7,747.3	-175.6	-1.8	-175.6	1.20	-0.64	22.32	
7,775.0	2.45	211.24	7,772.3	-176.5	-2.3	-176.5	0.46	-0.32	7.76	
7,800.0	2.54	211.44	7,797.3	-177.4	-2.9	-177.4	0.36	0.36	0.80	
7,825.0	2.43	211.83	7,822.3	-178.4	-3.4	-178.3	0.45	-0.44	1.56	
7,850.0	2.49	213.89	7,847.2	-179.3	-4.0	-179.2	0.43	0.24	8.24	
7,875.0	2.48	211.66	7,872.2	-180.2	-4.6	-180.1	0.39	-0.04	-8.92	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #41H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3014.8usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3014.8usft (Latshaw 44)
Well:	Myox 21 State Com #41H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.1 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)
7,900.0	2.22	209.17	7,897.2	-181.1	-5.1	-181.0	1.12	-1.04	-9.96
7,925.0	2.08	207.89	7,922.2	-181.9	-5.6	-181.8	0.59	-0.56	-5.12
7,950.0	2.09	208.17	7,947.1	-182.7	-6.0	-182.6	0.06	0.04	1.12
7,975.0	2.06	206.19	7,972.1	-183.5	-6.4	-183.4	0.31	-0.12	-7.92
8,000.0	2.03	206.35	7,997.1	-184.3	-6.8	-184.2	0.12	-0.12	0.64
8,025.0	1.85	207.20	8,022.1	-185.0	-7.2	-185.0	0.73	-0.72	3.40
8,050.0	1.82	210.60	8,047.1	-185.7	-7.6	-185.7	0.45	-0.12	13.60
8,075.0	1.69	209.22	8,072.1	-186.4	-8.0	-186.3	0.55	-0.52	-5.52
8,100.0	1.79	211.64	8,097.1	-187.1	-8.4	-187.0	0.50	0.40	9.68
8,125.0	1.66	209.98	8,122.1	-187.7	-8.7	-187.6	0.56	-0.52	-6.64
8,150.0	1.75	203.24	8,147.0	-188.4	-9.1	-188.3	0.88	0.36	-26.96
8,175.0	1.64	193.40	8,172.0	-189.1	-9.3	-189.0	1.24	-0.44	-39.36
8,200.0	1.68	186.94	8,197.0	-189.8	-9.4	-189.7	0.77	0.16	-25.84
8,225.0	1.71	185.18	8,222.0	-190.5	-9.5	-190.4	0.24	0.12	-7.04
8,250.0	1.64	183.01	8,247.0	-191.2	-9.6	-191.2	0.38	-0.28	-8.68
8,275.0	1.68	182.64	8,272.0	-192.0	-9.6	-191.9	0.17	0.16	-1.48
8,300.0	1.76	177.92	8,297.0	-192.7	-9.6	-192.6	0.65	0.32	-18.88
8,325.0	1.73	173.47	8,322.0	-193.5	-9.5	-193.4	0.56	-0.12	-17.80
8,350.0	1.83	169.60	8,347.0	-194.2	-9.4	-194.2	0.63	0.40	-15.48
8,375.0	1.80	165.58	8,371.9	-195.0	-9.3	-194.9	0.52	-0.12	-16.08
8,400.0	1.78	168.20	8,396.9	-195.8	-9.1	-195.7	0.34	-0.08	10.48
8,425.0	1.93	164.78	8,421.9	-196.6	-8.9	-196.5	0.75	0.60	-13.68
8,450.0	1.88	167.41	8,446.9	-197.4	-8.7	-197.3	0.40	-0.20	10.52
8,475.0	1.92	163.32	8,471.9	-198.2	-8.5	-198.1	0.57	0.16	-16.36
8,500.0	1.90	161.37	8,496.9	-199.0	-8.2	-198.9	0.27	-0.08	-7.80
8,525.0	1.94	156.07	8,521.9	-199.7	-7.9	-199.7	0.73	0.16	-21.20
8,550.0	1.97	148.44	8,546.8	-200.5	-7.5	-200.4	1.05	0.12	-30.52
8,575.0	2.05	137.39	8,571.8	-201.2	-7.0	-201.1	1.58	0.32	-44.20
8,600.0	2.12	134.64	8,596.8	-201.9	-6.4	-201.8	0.49	0.28	-11.00
8,625.0	2.29	136.06	8,621.8	-202.5	-5.7	-202.5	0.71	0.68	5.68
8,650.0	2.27	136.73	8,646.8	-203.3	-5.0	-203.2	0.13	-0.08	2.68
8,675.0	2.35	136.44	8,671.8	-204.0	-4.3	-203.9	0.32	0.32	-1.16
8,700.0	2.11	135.90	8,696.7	-204.7	-3.6	-204.7	0.96	-0.96	-2.16
8,725.0	1.96	137.83	8,721.7	-205.3	-3.0	-205.3	0.66	-0.60	7.72
8,750.0	1.84	137.45	8,746.7	-206.0	-2.5	-205.9	0.48	-0.48	-1.52
8,775.0	1.69	139.57	8,771.7	-206.5	-2.0	-206.5	0.65	-0.60	8.48
8,800.0	1.58	138.04	8,796.7	-207.1	-1.5	-207.0	0.47	-0.44	-6.12
8,825.0	1.55	139.53	8,821.7	-207.6	-1.0	-207.6	0.20	-0.12	5.96
8,850.0	1.42	145.11	8,846.7	-208.1	-0.6	-208.1	0.78	-0.52	22.32
8,875.0	1.26	148.25	8,871.7	-208.6	-0.3	-208.6	0.70	-0.64	12.56
8,900.0	1.22	148.53	8,896.7	-209.0	0.0	-209.0	0.16	-0.16	1.12
8,925.0	1.13	151.19	8,921.7	-209.5	0.2	-209.5	0.42	-0.36	10.64
8,950.0	1.02	154.24	8,946.6	-209.9	0.4	-209.9	0.50	-0.44	12.20

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #41H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3014.8usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3014.8usft (Latshaw 44)
Well:	Myox 21 State Com #41H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.1 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)
8,975.0	0.95	160.47	8,971.6	-210.3	0.6	-210.3	0.51	-0.28	24.92
9,000.0	1.04	164.25	8,996.6	-210.7	0.7	-210.7	0.45	0.36	15.12
9,025.0	1.10	169.56	9,021.6	-211.2	0.8	-211.2	0.46	0.24	21.24
9,050.0	1.08	169.46	9,046.6	-211.6	0.9	-211.6	0.08	-0.08	-0.40
9,075.0	1.01	178.35	9,071.6	-212.1	1.0	-212.1	0.71	-0.28	35.56
9,100.0	1.11	173.23	9,096.6	-212.5	1.0	-212.5	0.55	0.40	-20.48
9,125.0	1.06	180.52	9,121.6	-213.0	1.0	-213.0	0.59	-0.20	29.16
9,150.0	1.07	180.98	9,146.6	-213.5	1.0	-213.5	0.05	0.04	1.84
9,175.0	1.02	185.08	9,171.6	-213.9	1.0	-213.9	0.36	-0.20	16.40
9,200.0	1.07	182.09	9,196.6	-214.4	1.0	-214.4	0.30	0.20	-11.96
9,225.0	1.17	188.08	9,221.6	-214.9	0.9	-214.9	0.62	0.40	23.96
9,250.0	1.07	184.82	9,246.6	-215.4	0.9	-215.4	0.47	-0.40	-13.04
9,275.0	1.14	189.92	9,271.6	-215.8	0.8	-215.8	0.48	0.28	20.40
9,300.0	1.02	192.53	9,296.6	-216.3	0.7	-216.3	0.52	-0.48	10.44
9,325.0	1.02	190.11	9,321.6	-216.7	0.6	-216.7	0.17	0.00	-9.68
9,350.0	0.99	187.74	9,346.6	-217.2	0.6	-217.2	0.21	-0.12	-9.48
9,375.0	0.89	193.44	9,371.6	-217.6	0.5	-217.6	0.55	-0.40	22.80
9,390.0	0.91	186.93	9,386.6	-217.8	0.4	-217.8	0.69	0.13	-43.40
TIE ON									
9,510.0	1.05	206.92	9,506.6	-219.7	-0.2	-219.7	0.31	0.12	16.66
9,612.0	1.00	212.18	9,608.5	-221.3	-1.1	-221.3	0.10	-0.05	5.16
9,659.0	3.30	299.33	9,655.5	-221.0	-2.5	-221.0	7.23	4.89	185.43
9,706.0	10.73	316.58	9,702.1	-217.2	-6.7	-217.1	16.26	15.81	36.70
9,753.0	18.11	326.33	9,747.6	-207.9	-13.7	-207.8	16.48	15.70	20.74
9,801.0	22.30	331.89	9,792.7	-193.6	-22.2	-193.4	9.59	8.73	11.58
9,848.0	27.79	333.47	9,835.2	-176.0	-31.3	-175.7	11.77	11.68	3.36
9,896.0	34.15	336.75	9,876.4	-153.5	-41.6	-153.2	13.70	13.25	6.83
9,943.0	41.16	342.41	9,913.6	-126.6	-51.5	-126.2	16.62	14.91	12.04
9,990.0	46.16	345.36	9,947.6	-95.5	-60.4	-94.9	11.48	10.64	6.28
10,037.0	50.17	344.95	9,978.9	-61.6	-69.4	-61.0	8.56	8.53	-0.87
10,085.0	53.86	344.96	10,008.4	-25.1	-79.2	-24.4	7.69	7.69	0.02
10,132.0	55.08	346.32	10,035.8	12.0	-88.7	12.7	3.50	2.60	2.89
10,179.0	60.74	342.81	10,060.7	50.3	-99.3	51.2	13.60	12.04	-7.47
10,226.0	68.06	340.86	10,081.0	90.5	-112.6	91.5	16.02	15.57	-4.15
10,274.0	74.27	341.35	10,096.5	133.5	-127.3	134.6	12.97	12.94	1.02
10,321.0	75.69	340.54	10,108.7	176.4	-142.1	177.6	3.45	3.02	-1.72
10,369.0	82.21	344.48	10,117.9	221.3	-156.2	222.7	15.79	13.58	8.21
10,464.0	87.96	352.62	10,126.0	314.0	-175.0	315.5	10.46	6.05	8.57
10,559.0	90.75	356.16	10,127.1	408.5	-184.2	410.1	4.74	2.94	3.73
10,654.0	91.71	354.77	10,125.1	503.2	-191.8	504.8	1.78	1.01	-1.46
10,728.0	91.88	354.80	10,122.7	576.8	-198.5	578.5	0.23	0.23	0.04
10,820.0	92.14	356.51	10,119.5	668.5	-205.4	670.3	1.88	0.28	1.86
10,912.0	92.59	357.48	10,115.7	760.3	-210.3	762.1	1.16	0.49	1.05
11,005.0	94.41	359.02	10,110.0	853.1	-213.1	854.9	2.56	1.96	1.66

Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 21 State Com #41H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Myox 21 State Com #41H
TVD Reference: KB @ 3014.8usft (Latshaw 44)
MD Reference: KB @ 3014.8usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 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)
11,129.0	93.54	2.44	10,101.4	976.7	-211.5	978.5	2.84	-0.70	2.76
11,220.0	91.85	1.63	10,097.2	1,067.6	-208.3	1,069.4	2.06	-1.86	-0.89
11,310.0	92.27	1.68	10,093.9	1,157.5	-205.7	1,159.2	0.47	0.47	0.06
11,401.0	89.38	2.85	10,092.6	1,248.4	-202.1	1,250.1	3.43	-3.18	1.29
11,491.0	88.10	0.27	10,094.6	1,338.3	-199.6	1,340.0	3.20	-1.42	-2.87
11,581.0	88.18	358.03	10,097.5	1,428.3	-201.0	1,430.0	2.49	0.09	-2.49
11,672.0	89.71	355.60	10,099.2	1,519.1	-206.0	1,520.8	3.16	1.68	-2.67
11,763.0	89.98	355.21	10,099.4	1,609.8	-213.3	1,611.6	0.52	0.30	-0.43
11,857.0	91.00	355.79	10,098.6	1,703.5	-220.7	1,705.4	1.25	1.09	0.62
11,952.0	91.20	357.47	10,096.8	1,798.3	-226.3	1,800.2	1.78	0.21	1.77
12,047.0	92.56	359.85	10,093.7	1,893.2	-228.5	1,895.2	2.88	1.43	2.51
12,142.0	93.31	0.33	10,088.8	1,988.1	-228.4	1,990.0	0.94	0.79	0.51
12,237.0	90.46	0.80	10,085.7	2,083.0	-227.4	2,084.9	3.04	-3.00	0.49
12,332.0	90.52	0.16	10,084.9	2,178.0	-226.6	2,179.9	0.68	0.06	-0.67
12,427.0	90.60	359.68	10,084.0	2,273.0	-226.8	2,274.9	0.51	0.08	-0.51
12,521.0	90.83	359.03	10,082.8	2,367.0	-227.8	2,368.9	0.73	0.24	-0.69
12,616.0	91.16	359.45	10,081.1	2,462.0	-229.1	2,463.9	0.56	0.35	0.44
12,711.0	90.12	0.25	10,080.1	2,557.0	-229.3	2,558.9	1.38	-1.09	0.84
12,805.0	89.91	0.06	10,080.1	2,651.0	-229.1	2,652.9	0.30	-0.22	-0.20
12,899.0	89.57	359.34	10,080.5	2,745.0	-229.6	2,746.9	0.85	-0.36	-0.77
12,994.0	89.73	359.35	10,081.1	2,840.0	-230.6	2,841.9	0.17	0.17	0.01
13,089.0	89.03	358.11	10,082.1	2,934.9	-232.8	2,936.9	1.50	-0.74	-1.31
13,184.0	92.15	358.80	10,081.1	3,029.9	-235.3	3,031.8	3.36	3.28	0.73
13,278.0	91.27	359.75	10,078.3	3,123.8	-236.5	3,125.8	1.38	-0.94	1.01
13,373.0	91.74	359.60	10,075.8	3,218.8	-237.0	3,220.8	0.52	0.49	-0.16
13,467.0	90.97	0.29	10,073.6	3,312.8	-237.1	3,314.7	1.10	-0.82	0.73
13,562.0	91.94	1.05	10,071.2	3,407.7	-236.0	3,409.7	1.30	1.02	0.80
13,657.0	90.96	1.69	10,068.8	3,502.7	-233.8	3,504.6	1.23	-1.03	0.67
13,751.0	90.20	2.40	10,067.8	3,596.6	-230.4	3,598.5	1.11	-0.81	0.76
13,846.0	89.89	2.03	10,067.8	3,691.5	-226.7	3,693.4	0.51	-0.33	-0.39
13,941.0	89.43	1.60	10,068.3	3,786.5	-223.7	3,788.3	0.66	-0.48	-0.45
14,036.0	89.67	0.90	10,069.1	3,881.5	-221.6	3,883.3	0.78	0.25	-0.74
14,130.0	89.54	0.14	10,069.7	3,975.5	-220.8	3,977.2	0.82	-0.14	-0.81
14,225.0	89.11	357.22	10,070.8	4,070.4	-223.0	4,072.2	3.11	-0.45	-3.07
14,319.0	90.06	357.21	10,071.5	4,164.3	-227.5	4,166.1	1.01	1.01	-0.01
14,414.0	92.61	358.50	10,069.3	4,259.2	-231.1	4,261.1	3.01	2.68	1.36
14,508.0	90.62	357.98	10,066.6	4,353.1	-234.0	4,355.0	2.19	-2.12	-0.55
14,602.0	90.04	357.37	10,066.1	4,447.0	-237.8	4,448.9	0.90	-0.62	-0.65
14,697.0	90.62	357.57	10,065.6	4,541.9	-242.0	4,543.9	0.65	0.61	0.21
14,791.0	91.02	357.36	10,064.2	4,635.8	-246.2	4,637.8	0.48	0.43	-0.22
14,884.0	91.91	359.33	10,061.8	4,728.8	-248.8	4,730.8	2.32	0.96	2.12
14,979.0	92.07	0.26	10,058.5	4,823.7	-249.2	4,825.7	0.99	0.17	0.98
15,074.0	90.72	0.03	10,056.2	4,918.7	-248.9	4,920.7	1.44	-1.42	-0.24

Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 21 State Com #41H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Myox 21 State Com #41H
TVD Reference: KB @ 3014.8usft (Latshaw 44)
MD Reference: KB @ 3014.8usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 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)
15,168.0	88.83	359.76	10,056.6	5,012.7	-249.1	5,014.7	2.03	-2.01	-0.29
15,263.0	89.37	0.00	10,058.1	5,107.7	-249.3	5,109.6	0.62	0.57	0.25
15,357.0	88.24	359.73	10,060.0	5,201.6	-249.5	5,203.6	1.24	-1.20	-0.29
15,452.0	88.61	359.48	10,062.7	5,296.6	-250.2	5,298.6	0.47	0.39	-0.26
15,546.0	89.38	359.38	10,064.3	5,390.6	-251.1	5,392.6	0.83	0.82	-0.11
15,641.0	89.76	359.10	10,065.0	5,485.6	-252.4	5,487.6	0.50	0.40	-0.29
15,736.0	90.24	358.95	10,065.0	5,580.5	-254.0	5,582.6	0.53	0.51	-0.16
15,830.0	90.57	359.07	10,064.4	5,674.5	-255.6	5,676.5	0.37	0.35	0.13
15,925.0	91.53	359.71	10,062.6	5,769.5	-256.6	5,771.5	1.21	1.01	0.67
16,020.0	89.71	359.31	10,061.6	5,864.5	-257.4	5,866.5	1.96	-1.92	-0.42
16,114.0	88.68	358.75	10,062.9	5,958.5	-259.0	5,960.5	1.25	-1.10	-0.60
16,208.0	88.93	358.72	10,064.9	6,052.4	-261.1	6,054.5	0.27	0.27	-0.03
16,303.0	90.20	359.21	10,065.6	6,147.4	-262.8	6,149.5	1.43	1.34	0.52
16,399.0	89.17	359.83	10,066.1	6,243.4	-263.6	6,245.5	1.25	-1.07	0.65
16,493.0	89.62	359.00	10,067.1	6,337.4	-264.6	6,339.5	1.00	0.48	-0.88
16,588.0	88.82	359.74	10,068.4	6,432.4	-265.6	6,434.4	1.15	-0.84	0.78
16,673.0	88.18	359.19	10,070.6	6,517.3	-266.4	6,519.4	0.99	-0.75	-0.65
16,768.0	87.72	358.72	10,074.0	6,612.3	-268.2	6,614.4	0.69	-0.48	-0.49
16,862.0	90.38	0.17	10,075.6	6,706.2	-269.1	6,708.3	3.22	2.83	1.54
16,957.0	90.21	0.56	10,075.1	6,801.2	-268.5	6,803.3	0.45	-0.18	0.41
17,051.0	92.02	1.27	10,073.3	6,895.2	-267.0	6,897.3	2.07	1.93	0.76
17,146.0	91.98	0.37	10,069.9	6,990.1	-265.6	6,992.2	0.95	-0.04	-0.95
17,240.0	88.89	0.76	10,069.2	7,084.1	-264.7	7,086.2	3.31	-3.29	0.41
17,335.0	87.95	358.36	10,071.9	7,179.1	-265.4	7,181.1	2.71	-0.99	-2.53
17,429.0	88.04	358.13	10,075.1	7,273.0	-268.3	7,275.0	0.26	0.10	-0.24
17,524.0	87.78	357.80	10,078.6	7,367.8	-271.7	7,369.9	0.44	-0.27	-0.35
17,618.0	89.52	358.29	10,080.8	7,461.8	-274.9	7,463.9	1.92	1.85	0.52
17,713.0	89.36	358.45	10,081.8	7,556.7	-277.6	7,558.8	0.24	-0.17	0.17
17,807.0	90.84	0.31	10,081.6	7,650.7	-278.6	7,652.8	2.53	1.57	1.98
17,902.0	92.40	359.95	10,078.9	7,745.7	-278.4	7,747.8	1.69	1.64	-0.38
17,997.0	93.52	359.80	10,074.0	7,840.5	-278.6	7,842.7	1.19	1.18	-0.16
18,091.0	94.04	359.90	10,067.8	7,934.3	-278.8	7,936.5	0.56	0.55	0.11
18,186.0	89.06	0.23	10,065.2	8,029.3	-278.7	8,031.4	5.25	-5.24	0.35
18,280.0	88.08	359.19	10,067.6	8,123.2	-279.2	8,125.4	1.52	-1.04	-1.11
18,375.0	88.78	359.23	10,070.2	8,218.2	-280.5	8,220.3	0.74	0.74	0.04
18,470.0	89.01	358.72	10,072.0	8,313.1	-282.2	8,315.3	0.59	0.24	-0.54
18,565.0	89.69	358.57	10,073.1	8,408.1	-284.4	8,410.3	0.73	0.72	-0.16
18,659.0	90.61	359.07	10,072.8	8,502.1	-286.4	8,504.3	1.11	0.98	0.53
18,754.0	91.73	359.47	10,070.9	8,597.1	-287.6	8,599.2	1.25	1.18	0.42
18,849.0	89.94	359.64	10,069.5	8,692.0	-288.3	8,694.2	1.89	-1.88	0.18
18,943.0	90.64	359.39	10,069.0	8,786.0	-289.1	8,788.2	0.79	0.74	-0.27
19,039.0	89.83	0.75	10,068.6	8,882.0	-289.0	8,884.2	1.65	-0.84	1.42
19,133.0	87.59	1.53	10,070.8	8,976.0	-287.1	8,978.2	2.52	-2.38	0.83

Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Myox 21 State Com) Sec-21_T-25-S_R28-E
Well: Myox 21 State Com #41H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Myox 21 State Com #41H
TVD Reference: KB @ 3014.8usft (Latshaw 44)
MD Reference: KB @ 3014.8usft (Latshaw 44)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 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)
19,228.0	88.31	1.69	10,074.2	9,070.9	-284.5	9,073.0	0.78	0.76	0.17
19,322.0	90.24	2.27	10,075.4	9,164.8	-281.2	9,166.9	2.14	2.05	0.62
19,417.0	88.29	1.65	10,076.6	9,259.8	-278.0	9,261.8	2.15	-2.05	-0.65
19,512.0	87.88	1.87	10,079.7	9,354.7	-275.0	9,356.7	0.49	-0.43	0.23
19,607.0	91.03	1.54	10,080.7	9,449.6	-272.2	9,451.6	3.33	3.32	-0.35
19,701.0	91.54	1.50	10,078.5	9,543.5	-269.7	9,545.5	0.54	0.54	-0.04
19,770.8	92.58	1.69	10,076.0	9,613.3	-267.8	9,615.2	1.51	1.48	0.27
LTP @ 19770.8'MD, 330°FNL & 686.3'FWL									
19,796.0	92.95	1.76	10,074.8	9,638.4	-267.0	9,640.4	1.51	1.48	0.27
LAST SVY									
19,900.0	92.95	1.76	10,069.5	9,742.2	-263.8	9,744.2	0.00	0.00	0.00
Projection to TD @ 19900'MD, 201°FNL & 691.5'FWL									

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
WP2 (Myox 21 State C - actual wellpath misses target center by 9.5usft at 15183.5usft MD (10056.9 TVD, 5028.1 N, -249.2 E) - Rectangle (sides W60.0 H2,530.0 D20.0)	-0.33	359.50	10,065.0	5,028.0	-254.1	408,812.57	572,774.33	32° 7' 25.406 N	104° 5' 53.727 W
WP1 (Myox 21 State C - actual wellpath misses target center by 2.7usft at 12652.1usft MD (10080.5 TVD, 2498.1 N, -229.3 E) - Rectangle (sides W60.0 H1,941.6 D20.0)	-1.28	359.50	10,080.0	2,498.1	-232.0	406,282.67	572,796.42	32° 7' 0.369 N	104° 5' 53.534 W
LTP (Myox 21 State C - actual wellpath misses target center by 29.7usft at 19769.6usft MD (10076.1 TVD, 9612.1 N, -267.8 E) - Rectangle (sides W60.0 H4,615.5 D20.0)	0.31	359.50	10,089.3	9,613.3	-294.4	413,397.87	572,734.04	32° 8' 10.785 N	104° 5' 54.079 W
PBHL (Myox 21 State C - actual wellpath misses target center by 37.8usft at 19899.0usft MD (10069.5 TVD, 9741.2 N, -263.9 E) - Point	0.00	359.93	10,090.0	9,743.3	-295.5	413,527.83	572,732.87	32° 8' 12.072 N	104° 5' 54.089 W
EOC (Myox 21 State C - actual wellpath misses target center by 15.7usft at 10395.6usft MD (10121.1 TVD, 246.8 N, -162.8 E) - Point	0.00	359.93	10,120.0	250.1	-147.5	404,034.63	572,880.93	32° 6' 38.119 N	104° 5' 52.609 W
FTP (Myox 21 State C - actual wellpath misses target center by 358.4usft at 9982.5usft MD (9942.4 TVD, -100.6 N, -59.1 E) - Point	0.00	359.93	10,141.0	-359.8	-206.7	403,424.80	572,821.67	32° 6' 32.085 N	104° 5' 53.313 W

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	+E/-W (usft)	Comment
9,390.0	9,386.6	-217.8	0.4	TIE ON
19,770.8	10,076.0	9,613.3	-267.8	LTP @ 19770.8'MD, 330°FNL & 686.3'FWL
19,796.0	10,074.8	9,638.4	-267.0	LAST SVY
19,900.0	10,069.5	9,742.2	-263.8	Projection to TD @ 19900'MD, 201°FNL & 691.5'FWL



Intrepid
Survey Report



Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Myox 21 State Com #41H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3014.8usft (Latshaw 44)
Site:	(Myox 21 State Com) Sec-21_T-25-S_R28-E	MD Reference:	KB @ 3014.8usft (Latshaw 44)
Well:	Myox 21 State Com #41H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.1 Single User Db

Checked By: _____	Approved By: _____	Date: _____
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