



Concho Resources, Inc.

**Eddy County (NAD27 NME)
(Craig State) Sec-26_T-25-S_R-26-E
Craig State #14H
API # 30-015-43046
OWB**

Design: AWB

Standard Survey Report

18 June, 2018

**Provide Signature Page for
Directional Survey**



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Craig State) Sec-26_T-25-S_R-26-E
Well: Craig State #14H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Craig State #14H
TVD Reference: KB @ 3297.6usft (Precision 106)
MD Reference: KB @ 3297.6usft (Precision 106)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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 (Craig State) Sec-26_T-25-S_R-26-E					
Site Position:		Northing:	397,464.00 usft	Latitude:	32° 5' 33.763 N
From:	Map	Easting:	528,080.90 usft	Longitude:	104° 14' 33.565 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.05 °

Well	Craig State #14H					
Well Position	+N/-S	0.0 usft	Northing:	397,463.80 usft	Latitude:	32° 5' 33.761 N
	+E/-W	0.0 usft	Easting:	528,125.80 usft	Longitude:	104° 14' 33.043 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,266.6 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	05/07/18	7.16	59.82	47,698.18460159

Design	AWB				
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	181.16	

Survey Program	Date 06/18/18				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	7,188.0	SDI Gyro (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
7,313.0	12,458.0	Intrepid MWD Surcon 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	0.44	204.95	100.0	-0.3	-0.2	0.4	0.44	0.44	0.00	
125.0	0.43	210.87	125.0	-0.5	-0.3	0.5	0.18	-0.04	23.68	
150.0	0.47	214.00	150.0	-0.7	-0.4	0.7	0.19	0.16	12.52	
175.0	0.62	243.38	175.0	-0.8	-0.5	0.8	1.25	0.60	117.52	
200.0	0.64	241.88	200.0	-1.0	-0.8	1.0	0.10	0.08	-6.00	
225.0	0.59	236.30	225.0	-1.1	-1.0	1.1	0.31	-0.20	-22.32	
250.0	0.62	234.27	250.0	-1.2	-1.2	1.3	0.15	0.12	-8.12	
275.0	0.71	248.88	275.0	-1.4	-1.5	1.4	0.76	0.36	58.44	
300.0	0.84	256.60	300.0	-1.5	-1.8	1.5	0.67	0.52	30.88	



Intrepid Survey Report



Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Craig State #14H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3297.6usft (Precision 106)
Site:	(Craig State) Sec-26_T-25-S_R-26-E	MD Reference:	KB @ 3297.6usft (Precision 106)
Well:	Craig State #14H	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	0.87	254.92	325.0	-1.6	-2.2	1.6	0.16	0.12	-6.72
350.0	1.06	262.77	350.0	-1.6	-2.6	1.7	0.92	0.76	31.40
375.0	0.95	257.88	375.0	-1.7	-3.0	1.8	0.56	-0.44	-19.56
400.0	1.04	261.64	400.0	-1.8	-3.4	1.9	0.44	0.36	15.04
425.0	1.08	258.81	425.0	-1.9	-3.9	2.0	0.26	0.16	-11.32
450.0	1.12	257.75	450.0	-2.0	-4.4	2.1	0.18	0.16	-4.24
475.0	1.13	251.57	475.0	-2.1	-4.8	2.2	0.49	0.04	-24.72
500.0	1.19	255.58	500.0	-2.2	-5.3	2.3	0.40	0.24	16.04
525.0	1.20	252.43	524.9	-2.4	-5.8	2.5	0.27	0.04	-12.60
550.0	1.25	245.58	549.9	-2.6	-6.3	2.7	0.62	0.20	-27.40
575.0	1.20	239.43	574.9	-2.8	-6.8	3.0	0.56	-0.20	-24.60
600.0	1.23	217.34	599.9	-3.2	-7.2	3.3	1.87	0.12	-88.36
625.0	1.19	206.92	624.9	-3.6	-7.5	3.8	0.89	-0.16	-41.68
650.0	1.25	203.90	649.9	-4.1	-7.7	4.2	0.35	0.24	-12.08
675.0	1.25	205.58	674.9	-4.6	-7.9	4.7	0.15	0.00	6.72
700.0	1.24	205.12	699.9	-5.1	-8.1	5.2	0.06	-0.04	-1.84
725.0	1.30	211.34	724.9	-5.6	-8.4	5.7	0.60	0.24	24.88
750.0	1.36	211.79	749.9	-6.1	-8.7	6.2	0.24	0.24	1.80
775.0	1.39	216.25	774.9	-6.6	-9.1	6.7	0.44	0.12	17.84
800.0	1.46	215.73	799.9	-7.1	-9.4	7.3	0.28	0.28	-2.08
825.0	1.59	216.26	824.9	-7.6	-9.8	7.8	0.52	0.52	2.12
850.0	1.60	218.97	849.9	-8.2	-10.2	8.4	0.30	0.04	10.84
875.0	1.59	218.68	874.9	-8.7	-10.7	8.9	0.05	-0.04	-1.16
900.0	1.60	219.50	899.8	-9.2	-11.1	9.5	0.10	0.04	3.28
925.0	1.67	220.80	924.8	-9.8	-11.6	10.0	0.32	0.28	5.20
950.0	1.68	220.76	949.8	-10.3	-12.0	10.6	0.04	0.04	-0.16
975.0	1.68	223.47	974.8	-10.9	-12.5	11.1	0.32	0.00	10.84
1,000.0	1.69	222.79	999.8	-11.4	-13.0	11.7	0.09	0.04	-2.72
1,025.0	1.56	221.92	1,024.8	-11.9	-13.5	12.2	0.53	-0.52	-3.48
1,050.0	1.33	224.52	1,049.8	-12.4	-13.9	12.7	0.96	-0.92	10.40
1,075.0	1.08	222.97	1,074.8	-12.8	-14.3	13.1	1.01	-1.00	-6.20
1,100.0	1.01	221.63	1,099.8	-13.1	-14.6	13.4	0.30	-0.28	-5.36
1,125.0	0.70	217.59	1,124.8	-13.4	-14.9	13.7	1.26	-1.24	-16.16
1,150.0	0.52	114.68	1,149.8	-13.6	-14.8	13.9	3.84	-0.72	-411.64
1,175.0	1.35	87.85	1,174.8	-13.6	-14.4	13.9	3.67	3.32	-107.32
1,200.0	1.93	83.60	1,199.8	-13.5	-13.7	13.8	2.37	2.32	-17.00
1,225.0	2.51	82.23	1,224.7	-13.4	-12.8	13.7	2.33	2.32	-5.48
1,250.0	3.50	80.77	1,249.7	-13.2	-11.5	13.5	3.97	3.96	-5.84
1,275.0	4.49	79.26	1,274.6	-12.9	-9.8	13.1	3.98	3.96	-6.04
1,300.0	5.00	80.12	1,299.6	-12.6	-7.7	12.7	2.06	2.04	3.44
1,325.0	5.05	80.01	1,324.5	-12.2	-5.6	12.3	0.20	0.20	-0.44
1,350.0	5.02	80.81	1,349.4	-11.8	-3.4	11.9	0.31	-0.12	3.20
1,375.0	4.64	85.53	1,374.3	-11.6	-1.3	11.6	2.20	-1.52	18.88



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Craig State) Sec-26_T-25-S_R-26-E
Well: Craig State #14H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Craig State #14H
TVD Reference: KB @ 3297.6usft (Precision 106)
MD Reference: KB @ 3297.6usft (Precision 106)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
1,400.0	4.45	87.53	1,399.2	-11.4	0.7	11.4	0.99	-0.76	8.00
1,425.0	4.16	87.66	1,424.1	-11.4	2.5	11.3	1.16	-1.16	0.52
1,450.0	3.97	87.62	1,449.1	-11.3	4.3	11.2	0.76	-0.76	-0.16
1,475.0	3.96	86.03	1,474.0	-11.2	6.0	11.1	0.44	-0.04	-6.36
1,500.0	3.91	86.56	1,498.9	-11.1	7.7	10.9	0.25	-0.20	2.12
1,525.0	3.82	82.86	1,523.9	-10.9	9.4	10.7	1.06	-0.36	-14.80
1,550.0	3.85	82.22	1,548.8	-10.7	11.1	10.5	0.21	0.12	-2.56
1,575.0	3.65	79.63	1,573.8	-10.4	12.7	10.2	1.05	-0.80	-10.36
1,600.0	3.50	74.99	1,598.7	-10.1	14.2	9.8	1.30	-0.60	-18.56
1,625.0	3.47	72.22	1,623.7	-9.7	15.7	9.4	0.68	-0.12	-11.08
1,650.0	3.05	57.63	1,648.6	-9.1	16.9	8.7	3.71	-1.68	-58.36
1,675.0	3.16	60.87	1,673.6	-8.4	18.1	8.0	0.83	0.44	12.96
1,700.0	2.91	53.08	1,698.6	-7.7	19.2	7.3	1.93	-1.00	-31.16
1,725.0	2.68	36.12	1,723.5	-6.8	20.1	6.4	3.42	-0.92	-67.84
1,750.0	2.61	28.20	1,748.5	-5.9	20.7	5.4	1.49	-0.28	-31.68
1,775.0	2.60	21.78	1,773.5	-4.8	21.2	4.4	1.17	-0.04	-25.68
1,800.0	2.56	10.97	1,798.5	-3.8	21.5	3.3	1.95	-0.16	-43.24
1,825.0	2.54	358.04	1,823.4	-2.7	21.6	2.2	2.30	-0.08	-51.72
1,850.0	2.44	346.16	1,848.4	-1.6	21.4	1.1	2.10	-0.40	-47.52
1,875.0	2.27	334.24	1,873.4	-0.6	21.1	0.2	2.07	-0.68	-47.68
1,900.0	2.29	324.35	1,898.4	0.2	20.6	-0.6	1.57	0.08	-39.56
1,925.0	2.12	317.59	1,923.4	1.0	20.0	-1.4	1.24	-0.68	-27.04
1,950.0	2.06	314.46	1,948.3	1.6	19.3	-2.0	0.52	-0.24	-12.52
1,975.0	1.97	312.49	1,973.3	2.2	18.7	-2.6	0.45	-0.36	-7.88
2,000.0	2.05	312.33	1,998.3	2.8	18.1	-3.2	0.32	0.32	-0.64
2,025.0	2.01	313.00	2,023.3	3.4	17.4	-3.8	0.19	-0.16	2.68
2,050.0	2.07	312.02	2,048.3	4.0	16.7	-4.4	0.28	0.24	-3.92
2,075.0	2.09	312.84	2,073.3	4.6	16.1	-5.0	0.14	0.08	3.28
2,100.0	2.13	312.53	2,098.2	5.3	15.4	-5.6	0.17	0.16	-1.24
2,125.0	2.12	313.43	2,123.2	5.9	14.7	-6.2	0.14	-0.04	3.60
2,150.0	2.06	311.49	2,148.2	6.5	14.0	-6.8	0.37	-0.24	-7.76
2,175.0	2.06	311.84	2,173.2	7.1	13.4	-7.4	0.05	0.00	1.40
2,200.0	2.25	311.45	2,198.2	7.7	12.7	-8.0	0.76	0.76	-1.56
2,225.0	2.28	311.06	2,223.2	8.4	11.9	-8.6	0.13	0.12	-1.56
2,250.0	2.20	312.30	2,248.1	9.0	11.2	-9.3	0.37	-0.32	4.96
2,275.0	2.31	314.05	2,273.1	9.7	10.5	-9.9	0.52	0.44	7.00
2,300.0	2.37	313.04	2,298.1	10.4	9.7	-10.6	0.29	0.24	-4.04
2,325.0	2.26	314.05	2,323.1	11.1	9.0	-11.3	0.47	-0.44	4.04
2,350.0	2.28	312.67	2,348.1	11.8	8.3	-12.0	0.23	0.08	-5.52
2,375.0	2.27	314.22	2,373.0	12.5	7.6	-12.6	0.25	-0.04	6.20
2,400.0	2.11	314.32	2,398.0	13.1	6.9	-13.3	0.64	-0.64	0.40
2,425.0	2.21	314.61	2,423.0	13.8	6.2	-13.9	0.40	0.40	1.16
2,450.0	2.24	315.33	2,448.0	14.5	5.5	-14.6	0.16	0.12	2.88

Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Craig State) Sec-26_T-25-S_R-26-E
Well: Craig State #14H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Craig State #14H
TVD Reference: KB @ 3297.6usft (Precision 106)
MD Reference: KB @ 3297.6usft (Precision 106)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
2,475.0	2.19	316.77	2,473.0	15.2	4.9	-15.3	0.30	-0.20	5.76
2,500.0	1.20	320.65	2,498.0	15.7	4.4	-15.8	3.98	-3.96	15.52
2,525.0	0.20	332.30	2,523.0	16.0	4.2	-16.1	4.02	-4.00	46.60
2,550.0	0.31	134.37	2,548.0	16.0	4.2	-16.0	2.02	0.44	648.28
2,575.0	0.47	137.63	2,573.0	15.8	4.3	-15.9	0.65	0.64	13.04
2,600.0	0.50	141.17	2,598.0	15.7	4.5	-15.8	0.17	0.12	14.16
2,625.0	0.50	141.82	2,622.9	15.5	4.6	-15.6	0.02	0.00	2.60
2,650.0	0.42	131.83	2,647.9	15.4	4.7	-15.5	0.45	-0.32	-39.96
2,675.0	0.43	146.81	2,672.9	15.2	4.9	-15.3	0.44	0.04	59.92
2,700.0	0.41	138.13	2,697.9	15.1	5.0	-15.2	0.27	-0.08	-34.72
2,725.0	0.44	132.90	2,722.9	14.9	5.1	-15.0	0.20	0.12	-20.92
2,750.0	0.50	132.57	2,747.9	14.8	5.2	-14.9	0.24	0.24	-1.32
2,775.0	0.54	133.68	2,772.9	14.7	5.4	-14.8	0.16	0.16	4.44
2,800.0	0.60	138.44	2,797.9	14.5	5.6	-14.6	0.31	0.24	19.04
2,825.0	0.50	142.47	2,822.9	14.3	5.7	-14.4	0.43	-0.40	16.12
2,850.0	0.60	144.73	2,847.9	14.1	5.9	-14.2	0.41	0.40	9.04
2,875.0	0.50	143.31	2,872.9	13.9	6.0	-14.0	0.40	-0.40	-5.68
2,900.0	0.62	140.05	2,897.9	13.7	6.2	-13.8	0.50	0.48	-13.04
2,925.0	0.63	148.33	2,922.9	13.5	6.3	-13.6	0.36	0.04	33.12
2,950.0	0.61	160.55	2,947.9	13.2	6.4	-13.4	0.53	-0.08	48.88
2,975.0	0.99	186.17	2,972.9	12.9	6.5	-13.0	2.05	1.52	102.48
3,000.0	1.68	205.63	2,997.9	12.4	6.3	-12.5	3.26	2.76	77.84
3,025.0	1.92	207.23	3,022.9	11.7	5.9	-11.8	0.98	0.96	6.40
3,050.0	1.92	210.00	3,047.9	10.9	5.5	-11.0	0.37	0.00	11.08
3,075.0	1.89	211.02	3,072.9	10.2	5.1	-10.3	0.18	-0.12	4.08
3,100.0	1.91	206.99	3,097.9	9.5	4.7	-9.6	0.54	0.08	-16.12
3,125.0	1.97	210.93	3,122.9	8.7	4.3	-8.8	0.58	0.24	15.76
3,150.0	1.99	208.91	3,147.8	8.0	3.9	-8.1	0.29	0.08	-8.08
3,175.0	1.92	208.47	3,172.8	7.2	3.5	-7.3	0.29	-0.28	-1.76
3,200.0	1.95	206.85	3,197.8	6.5	3.1	-6.6	0.25	0.12	-6.48
3,225.0	2.02	211.88	3,222.8	5.7	2.6	-5.8	0.75	0.28	20.12
3,250.0	2.02	198.89	3,247.8	5.0	2.3	-5.0	1.83	0.00	-51.96
3,275.0	1.98	205.90	3,272.8	4.1	1.9	-4.2	0.99	-0.16	28.04
3,300.0	2.03	207.33	3,297.8	3.4	1.5	-3.4	0.28	0.20	5.72
3,325.0	1.94	207.63	3,322.7	2.6	1.1	-2.6	0.36	-0.36	1.20
3,350.0	1.32	199.15	3,347.7	2.0	0.9	-2.0	2.65	-2.48	-33.92
3,375.0	0.94	182.48	3,372.7	1.5	0.8	-1.5	1.99	-1.52	-66.68
3,400.0	0.91	182.19	3,397.7	1.1	0.7	-1.1	0.12	-0.12	-1.16
3,425.0	0.56	182.81	3,422.7	0.8	0.7	-0.8	1.40	-1.40	2.48
3,450.0	0.21	9.76	3,447.7	0.7	0.7	-0.7	3.08	-1.40	-692.20
3,475.0	0.68	5.76	3,472.7	0.9	0.7	-0.9	1.88	1.88	-16.00
3,500.0	0.67	6.62	3,497.7	1.2	0.8	-1.2	0.06	-0.04	3.44
3,525.0	0.75	359.15	3,522.7	1.5	0.8	-1.5	0.49	0.32	-29.88
3,550.0	0.85	356.38	3,547.7	1.8	0.8	-1.8	0.43	0.40	-11.08



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Craig State) Sec-26_T-25-S_R-26-E
Well: Craig State #14H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Craig State #14H
TVD Reference: KB @ 3297.6usft (Precision 106)
MD Reference: KB @ 3297.6usft (Precision 106)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
3,575.0	0.76	6.94	3,572.7	2.2	0.8	-2.2	0.69	-0.36	42.24
3,600.0	0.82	8.61	3,597.7	2.5	0.8	-2.5	0.26	0.24	6.68
3,625.0	0.78	4.96	3,622.7	2.9	0.9	-2.9	0.26	-0.16	-14.60
3,650.0	0.74	3.17	3,647.7	3.2	0.9	-3.2	0.19	-0.16	-7.16
3,675.0	0.73	1.08	3,672.7	3.5	0.9	-3.5	0.11	-0.04	-8.36
3,700.0	0.75	0.75	3,697.7	3.8	0.9	-3.8	0.08	0.08	-1.32
3,725.0	0.73	354.36	3,722.7	4.2	0.9	-4.2	0.34	-0.08	-25.56
3,750.0	0.75	358.06	3,747.7	4.5	0.9	-4.5	0.21	0.08	14.80
3,775.0	0.93	350.14	3,772.7	4.8	0.8	-4.9	0.86	0.72	-31.68
3,800.0	0.75	349.55	3,797.7	5.2	0.8	-5.2	0.72	-0.72	-2.36
3,825.0	0.72	357.94	3,822.7	5.5	0.7	-5.5	0.45	-0.12	33.56
3,850.0	0.79	0.74	3,847.7	5.8	0.7	-5.9	0.32	0.28	11.20
3,875.0	0.69	6.22	3,872.7	6.2	0.8	-6.2	0.49	-0.40	21.92
3,900.0	0.69	358.39	3,897.7	6.5	0.8	-6.5	0.38	0.00	-31.32
3,925.0	0.52	359.69	3,922.7	6.7	0.8	-6.7	0.68	-0.68	5.20
3,950.0	0.44	0.96	3,947.7	6.9	0.8	-7.0	0.32	-0.32	5.08
3,975.0	0.41	358.84	3,972.7	7.1	0.8	-7.1	0.14	-0.12	-8.48
4,000.0	0.37	7.65	3,997.7	7.3	0.8	-7.3	0.29	-0.16	35.24
4,025.0	0.44	18.33	4,022.7	7.5	0.8	-7.5	0.41	0.28	42.72
4,050.0	0.36	17.62	4,047.7	7.6	0.9	-7.6	0.32	-0.32	-2.84
4,075.0	0.27	18.13	4,072.7	7.8	0.9	-7.8	0.36	-0.36	2.04
4,100.0	0.20	47.16	4,097.7	7.8	1.0	-7.9	0.54	-0.28	116.12
4,125.0	0.27	37.12	4,122.7	7.9	1.0	-7.9	0.32	0.28	-40.16
4,150.0	0.12	43.53	4,147.7	8.0	1.1	-8.0	0.61	-0.60	25.64
4,175.0	0.17	29.83	4,172.7	8.0	1.1	-8.1	0.24	0.20	-54.80
4,200.0	0.14	42.75	4,197.7	8.1	1.2	-8.1	0.18	-0.12	51.68
4,225.0	0.08	17.24	4,222.7	8.1	1.2	-8.2	0.30	-0.24	-102.04
4,250.0	0.05	284.42	4,247.7	8.2	1.2	-8.2	0.39	-0.12	-371.28
4,275.0	0.03	126.57	4,272.7	8.2	1.2	-8.2	0.31	-0.08	-631.40
4,300.0	0.02	290.88	4,297.7	8.2	1.2	-8.2	0.20	-0.04	657.24
4,325.0	0.14	167.29	4,322.7	8.1	1.2	-8.1	0.61	0.48	-494.36
4,350.0	0.23	180.50	4,347.7	8.0	1.2	-8.1	0.40	0.36	52.84
4,375.0	0.24	235.28	4,372.7	8.0	1.1	-8.0	0.87	0.04	219.12
4,400.0	0.26	188.00	4,397.7	7.9	1.1	-7.9	0.81	0.08	-189.12
4,425.0	0.43	263.21	4,422.7	7.8	1.0	-7.8	1.77	0.68	300.84
4,450.0	0.35	243.61	4,447.7	7.8	0.8	-7.8	0.62	-0.32	-78.40
4,475.0	0.29	180.13	4,472.7	7.7	0.8	-7.7	1.36	-0.24	-253.92
4,500.0	0.31	178.43	4,497.7	7.5	0.8	-7.6	0.09	0.08	-6.80
4,525.0	0.38	194.03	4,522.7	7.4	0.7	-7.4	0.47	0.28	62.40
4,550.0	0.34	191.37	4,547.7	7.2	0.7	-7.2	0.17	-0.16	-10.64
4,575.0	0.43	188.42	4,572.7	7.1	0.7	-7.1	0.37	0.36	-11.80
4,600.0	0.50	193.37	4,597.7	6.9	0.6	-6.9	0.32	0.28	19.80
4,625.0	0.47	195.57	4,622.7	6.7	0.6	-6.7	0.14	-0.12	8.80

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Craig State #14H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3297.6usft (Precision 106)
Site:	(Craig State) Sec-26_T-25-S_R-26-E	MD Reference:	KB @ 3297.6usft (Precision 106)
Well:	Craig State #14H	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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
4,650.0	0.45	184.33	4,647.7	6.5	0.6	-6.5	0.37	-0.08	-44.96
4,675.0	0.54	190.16	4,672.7	6.3	0.5	-6.3	0.41	0.36	23.32
4,700.0	0.46	197.21	4,697.7	6.0	0.5	-6.1	0.40	-0.32	28.20
4,725.0	0.45	192.26	4,722.7	5.9	0.4	-5.9	0.16	-0.04	-19.80
4,750.0	0.33	181.77	4,747.7	5.7	0.4	-5.7	0.56	-0.48	-41.96
4,775.0	0.50	197.52	4,772.7	5.5	0.4	-5.5	0.81	0.68	63.00
4,800.0	0.38	201.94	4,797.7	5.3	0.3	-5.3	0.50	-0.48	17.68
4,825.0	0.43	186.74	4,822.7	5.2	0.3	-5.2	0.47	0.20	-60.80
4,850.0	0.68	186.43	4,847.7	4.9	0.2	-4.9	1.00	1.00	-1.24
4,875.0	0.44	198.46	4,872.7	4.7	0.2	-4.7	1.06	-0.96	48.12
4,900.0	0.55	193.49	4,897.7	4.5	0.1	-4.5	0.47	0.44	-19.88
4,925.0	0.63	191.30	4,922.7	4.2	0.1	-4.2	0.33	0.32	-8.76
4,950.0	0.60	198.73	4,947.7	4.0	0.0	-4.0	0.34	-0.12	29.72
4,975.0	0.87	189.51	4,972.7	3.6	-0.1	-3.6	1.18	1.08	-36.88
5,000.0	0.80	192.04	4,997.7	3.3	-0.1	-3.3	0.32	-0.28	10.12
5,025.0	0.77	198.23	5,022.6	3.0	-0.2	-3.0	0.36	-0.12	24.76
5,050.0	0.70	190.29	5,047.6	2.7	-0.3	-2.6	0.49	-0.28	-31.76
5,075.0	1.00	190.22	5,072.6	2.3	-0.4	-2.3	1.20	1.20	-0.28
5,100.0	0.84	196.87	5,097.6	1.9	-0.5	-1.9	0.77	-0.64	26.60
5,125.0	0.95	188.65	5,122.6	1.5	-0.6	-1.5	0.68	0.44	-32.88
5,150.0	0.95	187.45	5,147.6	1.1	-0.6	-1.1	0.08	0.00	-4.80
5,175.0	0.92	192.03	5,172.6	0.7	-0.7	-0.7	0.32	-0.12	18.32
5,200.0	0.96	184.27	5,197.6	0.3	-0.7	-0.3	0.53	0.16	-31.04
5,225.0	0.94	189.34	5,222.6	-0.1	-0.8	0.1	0.35	-0.08	20.28
5,250.0	1.01	186.09	5,247.6	-0.5	-0.8	0.6	0.36	0.28	-13.00
5,275.0	1.07	185.09	5,272.6	-1.0	-0.9	1.0	0.25	0.24	-4.00
5,300.0	0.99	189.85	5,297.6	-1.4	-0.9	1.4	0.47	-0.32	19.04
5,325.0	0.90	186.63	5,322.6	-1.8	-1.0	1.9	0.42	-0.36	-12.88
5,350.0	1.08	187.98	5,347.6	-2.3	-1.1	2.3	0.73	0.72	5.40
5,375.0	1.02	188.61	5,372.6	-2.7	-1.1	2.7	0.24	-0.24	2.52
5,400.0	1.02	191.38	5,397.6	-3.2	-1.2	3.2	0.20	0.00	11.08
5,425.0	0.91	187.33	5,422.6	-3.6	-1.3	3.6	0.52	-0.44	-16.20
5,450.0	1.00	190.81	5,447.6	-4.0	-1.3	4.0	0.43	0.36	13.92
5,475.0	1.05	193.23	5,472.6	-4.4	-1.4	4.4	0.26	0.20	9.68
5,500.0	1.01	192.56	5,497.6	-4.9	-1.5	4.9	0.17	-0.16	-2.68
5,525.0	0.93	196.76	5,522.6	-5.3	-1.6	5.3	0.43	-0.32	16.80
5,550.0	0.61	200.72	5,547.6	-5.6	-1.7	5.6	1.30	-1.28	15.84
5,575.0	0.95	190.65	5,572.6	-5.9	-1.8	6.0	1.46	1.36	-40.28
5,600.0	0.92	189.86	5,597.6	-6.3	-1.9	6.4	0.13	-0.12	-3.16
5,625.0	1.19	189.03	5,622.6	-6.8	-2.0	6.8	1.08	1.08	-3.32
5,650.0	0.93	194.93	5,647.6	-7.2	-2.1	7.3	1.13	-1.04	23.60
5,675.0	0.82	197.77	5,672.6	-7.6	-2.2	7.6	0.47	-0.44	11.36
5,700.0	0.70	200.35	5,697.6	-7.9	-2.3	7.9	0.50	-0.48	10.32

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Craig State #14H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3297.6usft (Precision 106)
Site:	(Craig State) Sec-26_T-25-S_R-26-E	MD Reference:	KB @ 3297.6usft (Precision 106)
Well:	Craig State #14H	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)
5,725.0	0.59	201.98	5,722.6	-8.2	-2.4	8.2	0.45	-0.44	6.52
5,750.0	0.43	188.36	5,747.6	-8.4	-2.4	8.4	0.80	-0.64	-54.48
5,775.0	0.21	230.56	5,772.6	-8.5	-2.5	8.5	1.23	-0.88	168.80
5,800.0	0.59	320.49	5,797.6	-8.4	-2.6	8.5	2.50	1.52	359.72
5,825.0	0.63	320.90	5,822.6	-8.2	-2.8	8.3	0.16	0.16	1.64
5,850.0	0.65	316.24	5,847.6	-8.0	-3.0	8.1	0.22	0.08	-18.64
5,875.0	0.59	314.95	5,872.5	-7.8	-3.2	7.9	0.25	-0.24	-5.16
5,900.0	0.44	306.53	5,897.5	-7.7	-3.3	7.7	0.67	-0.60	-33.68
5,925.0	0.41	305.09	5,922.5	-7.6	-3.5	7.6	0.13	-0.12	-5.76
5,950.0	0.38	311.79	5,947.5	-7.5	-3.6	7.5	0.22	-0.12	26.80
5,975.0	0.43	311.20	5,972.5	-7.3	-3.7	7.4	0.20	0.20	-2.36
6,000.0	0.41	296.49	5,997.5	-7.2	-3.9	7.3	0.44	-0.08	-58.84
6,025.0	0.55	309.24	6,022.5	-7.1	-4.1	7.2	0.70	0.56	51.00
6,050.0	0.59	304.60	6,047.5	-7.0	-4.3	7.1	0.24	0.16	-18.56
6,075.0	0.63	302.34	6,072.5	-6.8	-4.5	6.9	0.19	0.16	-9.04
6,100.0	0.62	287.45	6,097.5	-6.7	-4.7	6.8	0.65	-0.04	-59.56
6,125.0	0.73	256.56	6,122.5	-6.7	-5.0	6.8	1.50	0.44	-123.56
6,150.0	1.20	226.26	6,147.5	-6.9	-5.4	7.0	2.71	1.88	-121.20
6,175.0	1.52	220.17	6,172.5	-7.4	-5.8	7.5	1.40	1.28	-24.36
6,200.0	1.61	222.03	6,197.5	-7.9	-6.2	8.0	0.41	0.36	7.44
6,225.0	1.58	222.81	6,222.5	-8.4	-6.7	8.5	0.15	-0.12	3.12
6,250.0	1.52	231.72	6,247.5	-8.8	-7.2	9.0	0.99	-0.24	35.64
6,275.0	1.51	254.67	6,272.5	-9.1	-7.8	9.3	2.41	-0.04	91.80
6,300.0	1.48	259.91	6,297.5	-9.3	-8.4	9.5	0.56	-0.12	20.96
6,325.0	1.44	266.44	6,322.5	-9.4	-9.0	9.5	0.68	-0.16	26.12
6,350.0	1.46	302.60	6,347.5	-9.2	-9.6	9.4	3.60	0.08	144.64
6,375.0	1.61	328.54	6,372.5	-8.7	-10.1	8.9	2.82	0.60	103.76
6,400.0	1.67	341.69	6,397.4	-8.1	-10.4	8.3	1.52	0.24	52.60
6,425.0	1.78	349.00	6,422.4	-7.4	-10.5	7.6	0.98	0.44	29.24
6,450.0	2.13	354.91	6,447.4	-6.5	-10.7	6.7	1.61	1.40	23.64
6,475.0	2.47	1.74	6,472.4	-5.5	-10.7	5.7	1.74	1.36	27.32
6,500.0	2.46	1.20	6,497.4	-4.4	-10.7	4.7	0.10	-0.04	-2.16
6,525.0	2.50	1.21	6,522.4	-3.4	-10.6	3.6	0.16	0.16	0.04
6,550.0	2.46	356.31	6,547.3	-2.3	-10.7	2.5	0.86	-0.16	-19.60
6,575.0	2.46	352.21	6,572.3	-1.2	-10.8	1.4	0.70	0.00	-16.40
6,600.0	2.40	348.86	6,597.3	-0.2	-10.9	0.4	0.62	-0.24	-13.40
6,625.0	2.42	349.61	6,622.3	0.9	-11.1	-0.6	0.15	0.08	3.00
6,650.0	2.18	351.17	6,647.2	1.8	-11.3	-1.6	0.99	-0.96	6.24
6,675.0	2.03	350.24	6,672.2	2.8	-11.4	-2.5	0.62	-0.60	-3.72
6,700.0	2.11	351.76	6,697.2	3.6	-11.6	-3.4	0.39	0.32	6.08
6,725.0	1.82	350.97	6,722.2	4.5	-11.7	-4.3	1.17	-1.16	-3.16
6,750.0	1.56	356.07	6,747.2	5.2	-11.8	-5.0	1.20	-1.04	20.40
6,775.0	1.33	357.14	6,772.2	5.9	-11.8	-5.6	0.93	-0.92	4.28
6,800.0	1.02	4.91	6,797.2	6.4	-11.8	-6.1	1.39	-1.24	31.08

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Craig State #14H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3297.6usft (Precision 106)
Site:	(Craig State) Sec-26_T-25-S_R-26-E	MD Reference:	KB @ 3297.6usft (Precision 106)
Well:	Craig State #14H	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)
6,825.0	0.92	88.97	6,822.2	6.6	-11.6	-6.4	5.20	-0.40	336.24
6,850.0	1.62	119.71	6,847.2	6.4	-11.1	-6.2	3.81	2.80	122.96
6,875.0	1.77	119.71	6,872.2	6.1	-10.5	-5.8	0.60	0.60	0.00
6,900.0	1.83	119.22	6,897.1	5.7	-9.8	-5.5	0.25	0.24	-1.96
6,925.0	1.65	124.50	6,922.1	5.3	-9.1	-5.1	0.96	-0.72	21.12
6,950.0	1.50	128.70	6,947.1	4.9	-8.6	-4.7	0.76	-0.60	16.80
6,975.0	1.20	133.60	6,972.1	4.5	-8.1	-4.3	1.28	-1.20	19.60
7,000.0	0.98	137.51	6,997.1	4.1	-7.8	-4.0	0.93	-0.88	15.64
7,025.0	0.77	136.02	7,022.1	3.9	-7.5	-3.7	0.84	-0.84	-5.96
7,050.0	0.71	130.29	7,047.1	3.6	-7.3	-3.5	0.38	-0.24	-22.92
7,075.0	0.87	133.10	7,072.1	3.4	-7.1	-3.3	0.66	0.64	11.24
7,100.0	0.99	130.92	7,097.1	3.1	-6.8	-3.0	0.50	0.48	-8.72
7,125.0	1.30	132.71	7,122.1	2.8	-6.4	-2.7	1.25	1.24	7.16
7,150.0	1.48	133.49	7,147.1	2.4	-5.9	-2.3	0.72	0.72	3.12
7,175.0	1.73	142.08	7,172.1	1.9	-5.5	-1.8	1.39	1.00	34.36
7,188.0	1.81	146.19	7,185.1	1.5	-5.2	-1.4	1.15	0.62	31.62
7,313.0	3.11	156.84	7,310.0	-3.2	-2.8	3.3	1.10	1.04	8.52
7,344.0	4.36	160.55	7,340.9	-5.1	-2.1	5.1	4.10	4.03	11.97
7,375.0	9.16	179.19	7,371.7	-8.7	-1.7	8.7	16.83	15.48	60.13
7,406.0	13.83	186.52	7,402.0	-14.8	-2.0	14.9	15.75	15.06	23.65
7,451.0	17.71	188.29	7,445.3	-27.0	-3.6	27.0	8.69	8.62	3.93
7,497.0	21.09	186.09	7,488.7	-42.1	-5.5	42.2	7.52	7.35	-4.78
7,544.0	25.58	188.02	7,531.9	-60.6	-7.8	60.7	9.69	9.55	4.11
7,591.0	27.76	190.59	7,573.9	-81.4	-11.3	81.6	5.25	4.64	5.47
7,622.0	28.14	194.93	7,601.2	-95.5	-14.5	95.8	6.67	1.23	14.00
7,653.0	29.03	194.54	7,628.5	-109.9	-18.2	110.2	2.93	2.87	-1.26
7,684.0	31.18	192.66	7,655.3	-125.0	-21.9	125.4	7.57	6.94	-6.06
7,715.0	33.83	186.29	7,681.4	-141.4	-24.6	141.9	13.95	8.55	-20.55
7,746.0	36.70	181.62	7,706.7	-159.3	-25.8	159.8	12.70	9.26	-15.06
7,775.0	40.55	181.06	7,729.4	-177.4	-26.2	177.8	13.33	13.28	-1.93
7,806.0	45.36	182.10	7,752.1	-198.5	-26.8	199.0	15.68	15.52	3.35
7,837.0	50.53	182.13	7,772.8	-221.5	-27.7	222.0	16.68	16.68	0.10
7,869.0	56.05	182.70	7,792.0	-247.1	-28.8	247.6	17.31	17.25	1.78
7,901.0	62.52	183.47	7,808.3	-274.5	-30.2	275.1	20.32	20.22	2.41
7,932.0	68.18	183.35	7,821.2	-302.6	-31.9	303.2	18.26	18.26	-0.39
7,964.0	74.40	182.19	7,831.5	-332.9	-33.4	333.5	19.74	19.44	-3.63
7,995.0	81.67	181.40	7,837.9	-363.2	-34.3	363.8	23.58	23.45	-2.55
8,043.0	89.36	182.85	7,841.7	-411.0	-36.1	411.6	16.30	16.02	3.02
8,074.0	89.46	183.74	7,842.0	-441.9	-37.9	442.6	2.89	0.32	2.87
8,105.0	89.48	184.21	7,842.3	-472.9	-40.0	473.6	1.52	0.06	1.52
8,167.0	89.61	184.69	7,842.8	-534.7	-44.8	535.5	0.80	0.21	0.77
8,260.0	90.96	185.57	7,842.3	-627.3	-53.2	628.2	1.73	1.45	0.95
8,354.0	91.70	185.78	7,840.1	-720.8	-62.4	721.9	0.82	0.79	0.22

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Craig State #14H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 3297.6usft (Precision 106)
Site:	(Craig State) Sec-26_T-25-S_R-26-E	MD Reference:	KB @ 3297.6usft (Precision 106)
Well:	Craig State #14H	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)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
8,448.0	90.97	186.31	7,837.9	-814.3	-72.3	815.5	0.96	-0.78	0.56
8,542.0	90.44	185.03	7,836.8	-907.8	-81.6	909.2	1.47	-0.56	-1.36
8,636.0	89.59	183.32	7,836.7	-1,001.5	-88.5	1,003.1	2.03	-0.90	-1.82
8,728.0	89.46	182.08	7,837.5	-1,093.4	-92.8	1,095.1	1.36	-0.14	-1.35
8,820.0	88.59	180.70	7,839.1	-1,185.4	-95.0	1,187.1	1.77	-0.95	-1.50
8,914.0	89.11	180.49	7,841.0	-1,279.4	-96.0	1,281.0	0.60	0.55	-0.22
9,008.0	90.00	180.60	7,841.7	-1,373.3	-96.9	1,375.0	0.95	0.95	0.12
9,103.0	90.78	180.83	7,841.0	-1,468.3	-98.1	1,470.0	0.86	0.82	0.24
9,197.0	91.19	181.57	7,839.4	-1,562.3	-100.1	1,564.0	0.90	0.44	0.79
9,292.0	89.87	180.91	7,838.5	-1,657.3	-102.1	1,659.0	1.55	-1.39	-0.69
9,388.0	90.18	181.28	7,838.5	-1,753.3	-103.9	1,755.0	0.50	0.32	0.39
9,481.0	89.96	180.34	7,838.4	-1,846.2	-105.3	1,848.0	1.04	-0.24	-1.01
9,575.0	90.56	179.78	7,838.0	-1,940.2	-105.4	1,942.0	0.87	0.64	-0.60
9,668.0	92.04	179.82	7,835.8	-2,033.2	-105.0	2,034.9	1.59	1.59	0.04
9,761.0	90.66	178.86	7,833.7	-2,126.2	-104.0	2,127.8	1.81	-1.48	-1.03
9,856.0	90.80	178.71	7,832.4	-2,221.1	-102.0	2,222.8	0.22	0.15	-0.16
9,949.0	88.88	179.04	7,832.7	-2,314.1	-100.1	2,315.7	2.09	-2.06	0.35
10,043.0	88.91	179.11	7,834.5	-2,408.1	-98.6	2,409.6	0.08	0.03	0.07
10,137.0	89.13	179.07	7,836.1	-2,502.1	-97.1	2,503.5	0.24	0.23	-0.04
10,230.0	89.11	179.20	7,837.6	-2,595.0	-95.7	2,596.5	0.14	-0.02	0.14
10,323.0	89.05	179.15	7,839.0	-2,688.0	-94.4	2,689.4	0.08	-0.06	-0.05
10,417.0	90.15	179.05	7,839.7	-2,782.0	-92.9	2,783.3	1.18	1.17	-0.11
10,511.0	90.59	179.41	7,839.1	-2,876.0	-91.6	2,877.3	0.60	0.47	0.38
10,606.0	91.22	179.48	7,837.6	-2,971.0	-90.7	2,972.2	0.67	0.66	0.07
10,699.0	92.24	180.12	7,834.8	-3,063.9	-90.4	3,065.1	1.29	1.10	0.69
10,792.0	91.95	180.38	7,831.4	-3,156.9	-90.8	3,158.1	0.42	-0.31	0.28
10,885.0	89.94	181.03	7,829.9	-3,249.9	-91.9	3,251.0	2.27	-2.16	0.70
10,978.0	88.47	181.23	7,831.1	-3,342.8	-93.8	3,344.0	1.60	-1.58	0.22
11,071.0	89.85	181.31	7,832.5	-3,435.8	-95.8	3,437.0	1.49	1.48	0.09
11,165.0	91.06	181.47	7,831.8	-3,529.8	-98.1	3,531.0	1.30	1.29	0.17
11,257.0	89.63	181.13	7,831.2	-3,621.7	-100.2	3,623.0	1.60	-1.55	-0.37
11,351.0	89.92	181.37	7,831.6	-3,715.7	-102.3	3,717.0	0.40	0.31	0.26
11,444.0	89.19	180.86	7,832.3	-3,808.7	-104.1	3,810.0	0.96	-0.78	-0.55
11,536.0	89.71	180.62	7,833.2	-3,900.7	-105.2	3,902.0	0.62	0.57	-0.26
11,629.0	89.78	178.99	7,833.6	-3,993.7	-104.9	3,995.0	1.75	0.08	-1.75
11,723.0	91.40	179.29	7,832.6	-4,087.6	-103.5	4,088.9	1.75	1.72	0.32
11,816.0	89.77	178.90	7,831.7	-4,180.6	-102.1	4,181.8	1.80	-1.75	-0.42
11,909.0	89.24	178.86	7,832.5	-4,273.6	-100.2	4,274.8	0.57	-0.57	-0.04
12,001.0	90.05	179.19	7,833.1	-4,365.6	-98.7	4,366.7	0.95	0.88	0.36
12,094.0	91.04	179.74	7,832.2	-4,458.6	-97.8	4,459.6	1.22	1.06	0.59
12,188.0	89.34	178.94	7,831.9	-4,552.6	-96.7	4,553.6	2.00	-1.81	-0.85
12,281.0	90.38	178.75	7,832.1	-4,645.5	-94.8	4,646.5	1.14	1.12	-0.20
12,373.0	90.72	178.97	7,831.2	-4,737.5	-93.0	4,738.4	0.44	0.37	0.24



Intrepid Survey Report



Company: Concho Resources, Inc.
Project: Eddy County (NAD27 NME)
Site: (Craig State) Sec-26_T-25-S_R-26-E
Well: Craig State #14H
Wellbore: OWB
Design: AWB

Local Co-ordinate Reference: Well Craig State #14H
TVD Reference: KB @ 3297.6usft (Precision 106)
MD Reference: KB @ 3297.6usft (Precision 106)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
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)
12,394.0	91.13	179.18	7,830.9	-4,758.5	-92.7	4,759.4	2.19	1.95	1.00
12,458.0	91.13	179.18	7,829.6	-4,822.5	-91.8	4,823.4	0.00	0.00	0.00

Design Targets

Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
FTP (Craig State #14H)	0.00	0.00	7,810.0	-74.8	-90.4	397,389.02	528,035.41	32° 5' 33.022 N	104° 14' 34.094 W
- actual wellpath misses target center by 145.4usft at 7774.9usft MD (7729.3 TVD, -177.3 N, -26.2 E)									
- Point									
LTP (Craig State #14H)	-0.01	180.08	7,835.0	-4,694.2	-97.4	392,769.61	528,028.44	32° 4' 47.305 N	104° 14' 34.220 W
- actual wellpath misses target center by 4.8usft at 12329.6usft MD (7831.7 TVD, -4694.1 N, -93.8 E)									
- Rectangle (sides W60.0 H4,619.8 D20.0)									
PBHL (Craig State #14H)	0.00	0.00	7,835.0	-4,824.4	-97.4	392,639.40	528,028.40	32° 4' 46.017 N	104° 14' 34.222 W
- actual wellpath misses target center by 8.0usft at 12458.0usft MD (7829.6 TVD, -4822.5 N, -91.8 E)									
- Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,576.9	7,561.3	-75.0	-10.1	FTP @ 7576.9'MD, 330'FNL & 249'FEL
12,329.9	7,831.7	-4,694.4	-93.8	LTP @ 12329.9'MD, 330'FSL & 319'FEL
12,394.0	7,830.9	-4,758.5	-92.7	LAST SVY
12,458.0	7,829.6	-4,822.5	-91.8	Projection to TD @ 12458'MD, 202'FSL & 316.4'FEL

Checked By: _____ Approved By: _____ Date: _____