



CONCHO

RECEIVED

JUL 08 2019

DISTRICT II-ARTESIA O.C.D.

Concho Resources, Inc.

Eddy County (NAD27 NME)
(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E
Littlefield 33 Fed Com #807H
API# 30-015-45168
OWB

Design: AWB

Standard Survey Report

06 December, 2018

INTREPID

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E		
Site Position:	Northing:	364,187.99 usft	Latitude: 32° 0' 2.883 N
From: Map	Easting:	606,535.56 usft	Longitude: 103° 59' 22.784 W
Position Uncertainty:	0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence: 0.18 °

Well	Littlefield 33 Fed Com #807H		
Well Position	+N/-S	0.0 usft	Northing: 364,138.00 usft
	+E/-W	0.0 usft	Easting: 604,880.40 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Ground Level:	2,863.4 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2015	11/07/18	(°) 6.98	(°) 59.77	(nT) 47,621.91665562

Design	AWB				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	3.95	

Survey Program	Date 12/06/18				
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
100.0	10,128.0	SDI Gyro (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
10,200.0	17,883.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS	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	0.23	42.92	100.0	0.1	0.1	0.2	0.23	0.23	0.00	
125.0	0.10	14.75	125.0	0.2	0.2	0.2	0.60	-0.52	-112.68	
150.0	0.16	18.54	150.0	0.3	0.2	0.3	0.24	0.24	15.16	
175.0	0.32	17.30	175.0	0.4	0.2	0.4	0.64	0.64	-4.96	
200.0	0.41	344.79	200.0	0.5	0.2	0.5	0.89	0.36	-130.04	
225.0	0.54	327.94	225.0	0.7	0.1	0.7	0.76	0.52	-67.40	
250.0	0.62	333.31	250.0	0.9	0.0	0.9	0.39	0.32	21.48	
275.0	0.80	327.79	275.0	1.2	-0.1	1.2	0.77	0.72	-22.08	
300.0	0.89	326.12	300.0	1.5	-0.3	1.5	0.37	0.36	-6.68	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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	0.89	332.81	325.0	1.8	-0.5	1.8	0.42	0.00	26.76
350.0	0.95	328.57	350.0	2.2	-0.7	2.1	0.36	0.24	-16.96
375.0	1.02	331.24	375.0	2.6	-1.0	2.5	0.33	0.28	10.68
400.0	1.01	331.63	400.0	2.9	-1.2	2.9	0.05	-0.04	1.56
425.0	1.02	332.81	425.0	3.3	-1.4	3.2	0.09	0.04	4.72
450.0	1.11	339.35	450.0	3.8	-1.6	3.6	0.60	0.36	26.16
475.0	1.10	341.46	475.0	4.2	-1.7	4.1	0.17	-0.04	8.44
500.0	0.82	327.16	500.0	4.6	-1.9	4.4	1.47	-1.12	-57.20
525.0	0.75	316.03	525.0	4.9	-2.1	4.7	0.67	-0.28	-44.52
550.0	0.77	308.58	550.0	5.1	-2.3	4.9	0.40	0.08	-29.80
575.0	0.72	298.38	575.0	5.3	-2.6	5.1	0.57	-0.20	-40.80
600.0	0.78	298.67	600.0	5.4	-2.9	5.2	0.24	0.24	1.16
625.0	0.82	300.57	625.0	5.6	-3.2	5.4	0.19	0.16	7.60
650.0	0.86	300.16	649.9	5.8	-3.5	5.5	0.16	0.16	-1.64
675.0	0.86	304.02	674.9	6.0	-3.8	5.7	0.23	0.00	15.44
700.0	0.76	303.72	699.9	6.2	-4.1	5.9	0.40	-0.40	-1.20
725.0	0.33	323.39	724.9	6.3	-4.3	6.0	1.85	-1.72	78.68
750.0	0.13	31.87	749.9	6.4	-4.3	6.1	1.23	-0.80	273.92
775.0	0.48	78.83	774.9	6.4	-4.2	6.1	1.61	1.40	187.84
800.0	0.79	90.88	799.9	6.5	-4.0	6.2	1.34	1.24	48.20
825.0	0.90	88.68	824.9	6.5	-3.6	6.2	0.46	0.44	-8.80
850.0	0.98	90.33	849.9	6.5	-3.2	6.2	0.34	0.32	6.60
875.0	0.94	90.08	874.9	6.5	-2.8	6.3	0.16	-0.16	-1.00
900.0	0.92	92.39	899.9	6.5	-2.3	6.3	0.17	-0.08	9.24
925.0	0.91	91.05	924.9	6.4	-1.9	6.3	0.09	-0.04	-5.36
950.0	0.87	93.69	949.9	6.4	-1.6	6.3	0.23	-0.16	10.56
975.0	0.91	92.42	974.9	6.4	-1.2	6.3	0.18	0.16	-5.08
1,000.0	0.94	99.82	999.9	6.4	-0.8	6.3	0.49	0.12	29.60
1,025.0	1.31	115.55	1,024.9	6.2	-0.3	6.2	1.91	1.48	62.92
1,050.0	1.98	119.38	1,049.9	5.9	0.3	5.9	2.71	2.68	15.32
1,075.0	2.01	122.11	1,074.9	5.4	1.1	5.5	0.40	0.12	10.92
1,100.0	2.42	121.61	1,099.9	4.9	1.9	5.0	1.64	1.64	-2.00
1,125.0	3.14	119.93	1,124.8	4.3	2.9	4.5	2.90	2.88	-6.72
1,150.0	4.23	118.83	1,149.8	3.5	4.3	3.8	4.37	4.36	-4.40
1,175.0	5.67	116.27	1,174.7	2.5	6.2	2.9	5.83	5.76	-10.24
1,200.0	6.32	116.29	1,199.6	1.4	8.6	2.0	2.60	2.60	0.08
1,225.0	6.40	116.91	1,224.4	0.1	11.1	0.9	0.42	0.32	2.48
1,250.0	6.46	117.64	1,249.2	-1.2	13.6	-0.2	0.41	0.24	2.92
1,275.0	6.42	117.35	1,274.1	-2.5	16.0	-1.3	0.21	-0.16	-1.16
1,300.0	6.40	117.29	1,298.9	-3.7	18.5	-2.4	0.08	-0.08	-0.24
1,325.0	6.39	117.44	1,323.8	-5.0	21.0	-3.6	0.08	-0.04	0.60
1,350.0	6.34	116.34	1,348.6	-6.3	23.5	-4.6	0.53	-0.20	-4.40
1,375.0	6.19	115.97	1,373.5	-7.5	25.9	-5.7	0.62	-0.60	-1.48

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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)	
1,400.0	6.11	116.89	1,398.3	-8.7	28.3	-6.7	0.51	-0.32	3.68	
1,425.0	6.01	115.10	1,423.2	-9.8	30.7	-7.7	0.86	-0.40	-7.16	
1,450.0	6.02	113.80	1,448.0	-10.9	33.1	-8.6	0.55	0.04	-5.20	
1,475.0	5.95	111.96	1,472.9	-11.9	35.5	-9.4	0.82	-0.28	-7.36	
1,500.0	5.94	110.79	1,497.8	-12.9	37.9	-10.2	0.49	-0.04	-4.68	
1,525.0	5.84	110.35	1,522.6	-13.8	40.3	-11.0	0.44	-0.40	-1.76	
1,550.0	5.72	107.85	1,547.5	-14.6	42.7	-11.6	1.12	-0.48	-10.00	
1,575.0	5.63	107.17	1,572.4	-15.3	45.0	-12.2	0.45	-0.36	-2.72	
1,600.0	5.53	105.63	1,597.3	-16.0	47.4	-12.7	0.72	-0.40	-6.16	
1,625.0	5.63	104.64	1,622.2	-16.6	49.7	-13.2	0.56	0.40	-3.96	
1,650.0	5.66	104.68	1,647.0	-17.3	52.1	-13.6	0.12	0.12	0.16	
1,675.0	5.59	104.88	1,671.9	-17.9	54.4	-14.1	0.29	-0.28	0.80	
1,700.0	5.49	104.66	1,696.8	-18.5	56.8	-14.6	0.41	-0.40	-0.88	
1,725.0	5.24	104.38	1,721.7	-19.1	59.0	-15.0	1.01	-1.00	-1.12	
1,750.0	4.97	102.98	1,746.6	-19.6	61.2	-15.4	1.19	-1.08	-5.60	
1,775.0	4.78	102.35	1,771.5	-20.1	63.3	-15.7	0.79	-0.76	-2.52	
1,800.0	4.73	103.08	1,796.4	-20.5	65.3	-16.0	0.31	-0.20	2.92	
1,825.0	4.51	102.49	1,821.3	-21.0	67.3	-16.3	0.90	-0.88	-2.36	
1,850.0	4.37	100.60	1,846.3	-21.4	69.2	-16.6	0.81	-0.56	-7.56	
1,875.0	4.40	100.32	1,871.2	-21.7	71.0	-16.8	0.15	0.12	-1.12	
1,900.0	4.32	98.62	1,896.1	-22.0	72.9	-17.0	0.61	-0.32	-6.80	
1,925.0	4.26	97.73	1,921.0	-22.3	74.8	-17.1	0.36	-0.24	-3.56	
1,950.0	4.18	95.47	1,946.0	-22.5	76.6	-17.2	0.74	-0.32	-9.04	
1,975.0	4.15	93.67	1,970.9	-22.7	78.4	-17.2	0.54	-0.12	-7.20	
2,000.0	4.14	92.35	1,995.8	-22.8	80.2	-17.2	0.38	-0.04	-5.28	
2,025.0	4.20	91.32	2,020.8	-22.8	82.0	-17.1	0.38	0.24	-4.12	
2,050.0	4.40	89.78	2,045.7	-22.8	83.9	-17.0	0.92	0.80	-6.16	
2,075.0	4.63	90.10	2,070.6	-22.8	85.9	-16.9	0.93	0.92	1.28	
2,100.0	4.61	91.77	2,095.5	-22.9	87.9	-16.8	0.54	-0.08	6.68	
2,125.0	4.87	92.39	2,120.5	-22.9	89.9	-16.7	1.06	1.04	2.48	
2,150.0	4.79	93.53	2,145.4	-23.0	92.0	-16.7	0.50	-0.32	4.56	
2,175.0	4.78	93.03	2,170.3	-23.2	94.1	-16.6	0.17	-0.04	-2.00	
2,200.0	4.98	92.57	2,195.2	-23.3	96.3	-16.6	0.82	0.80	-1.84	
2,225.0	5.13	92.96	2,220.1	-23.4	98.5	-16.5	0.62	0.60	1.56	
2,250.0	5.35	92.41	2,245.0	-23.5	100.7	-16.5	0.90	0.88	-2.20	
2,275.0	5.61	94.31	2,269.9	-23.6	103.1	-16.5	1.27	1.04	7.60	
2,300.0	6.00	94.58	2,294.8	-23.8	105.6	-16.5	1.56	1.56	1.08	
2,325.0	5.94	94.37	2,319.6	-24.0	108.2	-16.5	0.26	-0.24	-0.84	
2,350.0	6.12	93.03	2,344.5	-24.2	110.8	-16.5	0.91	0.72	-5.36	
2,375.0	6.50	94.59	2,369.3	-24.4	113.6	-16.5	1.67	1.52	6.24	
2,400.0	6.64	95.75	2,394.2	-24.6	116.4	-16.6	0.77	0.56	4.64	
2,425.0	6.55	96.50	2,419.0	-24.9	119.3	-16.7	0.50	-0.36	3.00	
2,450.0	6.52	96.06	2,443.8	-25.3	122.1	-16.8	0.23	-0.12	-1.76	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27,NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S-R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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)
2,475.0	6.48	95.56	2,468.7	-25.5	124.9	-16.9	0.28	-0.16	-2.00
2,500.0	6.55	95.60	2,493.5	-25.8	127.8	-17.0	0.28	0.28	0.16
2,525.0	6.64	94.83	2,518.3	-26.1	130.6	-17.0	0.50	0.36	-3.08
2,550.0	6.43	98.15	2,543.2	-26.4	133.4	-17.1	1.73	-0.84	13.28
2,575.0	5.94	101.20	2,568.0	-26.8	136.1	-17.4	2.36	-1.96	12.20
2,600.0	5.34	104.27	2,592.9	-27.4	138.5	-17.8	2.69	-2.40	12.28
2,625.0	5.36	102.96	2,617.8	-27.9	140.8	-18.2	0.50	0.08	-5.24
2,650.0	5.08	104.47	2,642.7	-28.5	143.0	-18.6	1.25	-1.12	6.04
2,675.0	5.04	103.53	2,667.6	-29.0	145.1	-18.9	0.37	-0.16	-3.76
2,700.0	4.88	105.22	2,692.5	-29.5	147.2	-19.3	0.87	-0.64	6.76
2,725.0	4.67	105.63	2,717.4	-30.1	149.2	-19.7	0.85	-0.84	1.64
2,750.0	4.53	104.57	2,742.3	-30.6	151.1	-20.1	0.66	-0.56	-4.24
2,775.0	4.45	104.03	2,767.3	-31.1	153.0	-20.5	0.36	-0.32	-2.16
2,800.0	4.57	105.00	2,792.2	-31.6	154.9	-20.9	0.57	0.48	3.88
2,825.0	4.48	104.89	2,817.1	-32.1	156.9	-21.2	0.36	-0.36	-0.44
2,850.0	4.41	105.47	2,842.0	-32.6	158.7	-21.6	0.33	-0.28	2.32
2,875.0	4.39	104.87	2,867.0	-33.1	160.6	-22.0	0.20	-0.08	-2.40
2,900.0	4.41	104.43	2,891.9	-33.6	162.4	-22.3	0.16	0.08	-1.76
2,925.0	4.45	105.05	2,916.8	-34.1	164.3	-22.7	0.25	0.16	2.48
2,950.0	4.56	105.25	2,941.7	-34.6	166.2	-23.1	0.44	0.44	0.80
2,975.0	4.51	104.70	2,966.7	-35.1	168.1	-23.5	0.27	-0.20	-2.20
3,000.0	4.58	104.20	2,991.6	-35.6	170.0	-23.8	0.32	0.28	-2.00
3,025.0	4.55	105.58	3,016.5	-36.1	171.9	-24.2	0.46	-0.12	5.52
3,050.0	4.62	106.36	3,041.4	-36.7	173.9	-24.6	0.37	0.28	3.12
3,075.0	4.54	104.31	3,066.3	-37.2	175.8	-25.0	0.73	-0.32	-8.20
3,100.0	4.65	104.56	3,091.3	-37.7	177.7	-25.4	0.45	0.44	1.00
3,125.0	4.54	104.44	3,116.2	-38.2	179.7	-25.7	0.44	-0.44	-0.48
3,150.0	4.74	101.26	3,141.1	-38.6	181.6	-26.0	1.30	0.80	-12.72
3,175.0	4.62	104.70	3,166.0	-39.1	183.6	-26.4	1.22	-0.48	13.76
3,200.0	4.73	104.12	3,190.9	-39.6	185.6	-26.7	0.48	0.44	-2.32
3,225.0	4.71	105.06	3,215.9	-40.1	187.6	-27.1	0.32	-0.08	3.76
3,250.0	4.73	105.32	3,240.8	-40.7	189.6	-27.5	0.12	0.08	1.04
3,275.0	4.68	104.38	3,265.7	-41.2	191.6	-27.9	0.37	-0.20	-3.76
3,300.0	4.78	105.47	3,290.6	-41.7	193.5	-28.3	0.54	0.40	4.36
3,325.0	4.64	105.87	3,315.5	-42.3	195.5	-28.7	0.58	-0.56	1.60
3,350.0	4.54	103.83	3,340.4	-42.8	197.5	-29.1	0.77	-0.40	-8.16
3,375.0	4.56	103.18	3,365.4	-43.3	199.4	-29.4	0.22	0.08	-2.60
3,400.0	4.59	102.72	3,390.3	-43.7	201.3	-29.7	0.19	0.12	-1.84
3,425.0	4.49	104.52	3,415.2	-44.2	203.3	-30.1	0.70	-0.40	7.20
3,450.0	4.44	105.22	3,440.1	-44.7	205.1	-30.4	0.30	-0.20	2.80
3,475.0	4.40	105.26	3,465.0	-45.2	207.0	-30.8	0.16	-0.16	0.16
3,500.0	4.41	104.07	3,490.0	-45.7	208.8	-31.2	0.37	0.04	-4.76
3,525.0	4.39	103.29	3,514.9	-46.1	210.7	-31.5	0.25	-0.08	-3.12
3,550.0	4.49	103.08	3,539.8	-46.6	212.6	-31.8	0.41	0.40	-0.84

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27-NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec 33 T-26-S R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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)
3,575.0	4.45	103.05	3,564.7	-47.0	214.5	-32.1	0.16	-0.16	-0.12
3,600.0	4.32	103.38	3,589.7	-47.4	216.4	-32.4	0.53	-0.52	1.32
3,625.0	4.20	105.52	3,614.6	-47.9	218.2	-32.8	0.80	-0.48	8.56
3,650.0	3.99	105.97	3,639.5	-48.4	219.9	-33.1	0.85	-0.84	1.80
3,675.0	3.76	106.22	3,664.5	-48.8	221.5	-33.5	0.92	-0.92	1.00
3,700.0	3.64	105.62	3,689.4	-49.3	223.0	-33.8	0.50	-0.48	-2.40
3,725.0	3.64	104.78	3,714.4	-49.7	224.6	-34.1	0.21	0.00	-3.36
3,750.0	3.77	104.75	3,739.3	-50.1	226.1	-34.4	0.52	0.52	-0.12
3,775.0	3.76	104.38	3,764.3	-50.5	227.7	-34.7	0.11	-0.04	-1.48
3,800.0	3.78	105.53	3,789.2	-51.0	229.3	-35.0	0.31	0.08	4.60
3,825.0	3.82	105.82	3,814.2	-51.4	230.9	-35.4	0.18	0.16	1.16
3,850.0	3.85	104.50	3,839.1	-51.8	232.5	-35.7	0.37	0.12	-5.28
3,875.0	3.96	102.57	3,864.1	-52.2	234.2	-36.0	0.69	0.44	-7.72
3,900.0	4.19	98.47	3,889.0	-52.6	235.9	-36.2	1.48	0.92	-16.40
3,925.0	4.32	99.32	3,913.9	-52.8	237.8	-36.3	0.58	0.52	3.40
3,950.0	4.30	97.82	3,938.8	-53.1	239.6	-36.5	0.46	-0.08	-6.00
3,975.0	4.30	99.55	3,963.8	-53.4	241.5	-36.7	0.52	0.00	6.92
4,000.0	4.31	96.65	3,988.7	-53.7	243.3	-36.8	0.87	0.04	-11.60
4,025.0	4.33	99.15	4,013.6	-53.9	245.2	-36.9	0.76	0.08	10.00
4,050.0	4.25	99.48	4,038.6	-54.2	247.0	-37.1	0.33	-0.32	1.32
4,075.0	4.28	98.89	4,063.5	-54.5	248.9	-37.3	0.21	0.12	-2.36
4,100.0	4.12	97.60	4,088.4	-54.8	250.7	-37.4	0.74	-0.64	-5.16
4,125.0	4.11	99.31	4,113.4	-55.1	252.5	-37.5	0.49	-0.04	6.84
4,150.0	4.14	99.67	4,138.3	-55.4	254.2	-37.7	0.16	0.12	1.44
4,175.0	4.09	98.67	4,163.2	-55.6	256.0	-37.9	0.35	-0.20	-4.00
4,200.0	3.93	97.98	4,188.2	-55.9	257.7	-38.0	0.67	-0.64	-2.76
4,225.0	3.78	98.88	4,213.1	-56.1	259.4	-38.1	0.65	-0.60	3.60
4,250.0	3.83	99.82	4,238.1	-56.4	261.0	-38.3	0.32	0.20	3.76
4,275.0	3.83	100.71	4,263.0	-56.7	262.7	-38.5	0.24	0.00	3.56
4,300.0	3.77	101.09	4,288.0	-57.0	264.3	-38.7	0.26	-0.24	1.52
4,325.0	3.72	101.57	4,312.9	-57.3	265.9	-38.9	0.24	-0.20	1.92
4,350.0	3.69	102.42	4,337.8	-57.7	267.5	-39.1	0.25	-0.12	3.40
4,375.0	3.72	103.12	4,362.8	-58.0	269.1	-39.4	0.22	0.12	2.80
4,400.0	3.65	102.64	4,387.7	-58.4	270.6	-39.6	0.31	-0.28	-1.92
4,425.0	3.46	104.09	4,412.7	-58.7	272.1	-39.9	0.84	-0.76	5.80
4,450.0	3.38	105.36	4,437.7	-59.1	273.6	-40.2	0.44	-0.32	5.08
4,475.0	3.28	104.51	4,462.6	-59.5	275.0	-40.4	0.45	-0.40	-3.40
4,500.0	3.42	106.87	4,487.6	-59.9	276.4	-40.7	0.79	0.56	9.44
4,525.0	3.51	106.33	4,512.5	-60.3	277.8	-41.1	0.38	0.36	-2.16
4,550.0	3.50	105.13	4,537.5	-60.7	279.3	-41.4	0.30	-0.04	-4.80
4,575.0	3.57	105.79	4,562.4	-61.2	280.8	-41.7	0.32	0.28	2.64
4,600.0	3.48	105.66	4,587.4	-61.6	282.3	-42.0	0.36	-0.36	-0.52
4,625.0	3.48	105.15	4,612.3	-62.0	283.7	-42.3	0.12	0.00	-2.04

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,650.0	3.37	106.17	4,637.3	-62.4	285.2	-42.6	0.50	-0.44	4.08
4,675.0	3.40	108.48	4,662.2	-62.8	286.6	-42.9	0.56	0.12	9.24
4,700.0	3.38	109.55	4,687.2	-63.3	288.0	-43.3	0.27	-0.08	4.28
4,725.0	3.49	108.82	4,712.2	-63.8	289.4	-43.7	0.47	0.44	-2.92
4,750.0	3.48	108.14	4,737.1	-64.3	290.8	-44.1	0.17	-0.04	-2.72
4,775.0	3.46	108.93	4,762.1	-64.8	292.3	-44.5	0.21	-0.08	3.16
4,800.0	3.37	110.70	4,787.0	-65.3	293.7	-44.9	0.55	-0.36	7.08
4,825.0	3.35	110.42	4,812.0	-65.8	295.0	-45.3	0.10	-0.08	-1.12
4,850.0	3.32	110.19	4,836.9	-66.3	296.4	-45.7	0.13	-0.12	-0.92
4,875.0	3.23	109.48	4,861.9	-66.8	297.7	-46.1	0.39	-0.36	-2.84
4,900.0	3.21	110.95	4,886.9	-67.2	299.1	-46.5	0.34	-0.08	5.88
4,925.0	2.99	114.59	4,911.8	-67.8	300.3	-46.9	1.18	-0.88	14.56
4,950.0	2.45	121.59	4,936.8	-68.3	301.4	-47.4	2.53	-2.16	28.00
4,975.0	2.12	121.25	4,961.8	-68.8	302.2	-47.9	1.32	-1.32	-1.36
5,000.0	2.28	119.58	4,986.7	-69.3	303.0	-48.3	0.69	0.64	-6.68
5,025.0	1.93	116.22	5,011.7	-69.8	303.8	-48.7	1.48	-1.40	-13.44
5,050.0	1.35	93.47	5,036.7	-70.0	304.5	-48.8	3.44	-2.32	-91.00
5,075.0	1.48	82.31	5,061.7	-69.9	305.1	-48.8	1.22	0.52	-44.64
5,100.0	1.41	80.59	5,086.7	-69.8	305.8	-48.6	0.33	-0.28	-6.88
5,125.0	1.38	80.29	5,111.7	-69.7	306.4	-48.5	0.12	-0.12	-1.20
5,150.0	1.39	77.40	5,136.7	-69.6	307.0	-48.3	0.28	0.04	-11.56
5,175.0	1.34	76.10	5,161.7	-69.5	307.5	-48.1	0.24	-0.20	-5.20
5,200.0	1.29	75.67	5,186.7	-69.3	308.1	-48.0	0.20	-0.20	-1.72
5,225.0	1.23	76.81	5,211.7	-69.2	308.6	-47.8	0.26	-0.24	4.56
5,250.0	1.20	75.59	5,236.7	-69.1	309.1	-47.6	0.16	-0.12	-4.88
5,275.0	1.18	82.30	5,261.7	-69.0	309.6	-47.5	0.56	-0.08	26.84
5,300.0	1.11	86.90	5,286.7	-68.9	310.1	-47.4	0.46	-0.28	18.40
5,325.0	1.05	90.85	5,311.7	-68.9	310.6	-47.4	0.38	-0.24	15.80
5,350.0	0.89	93.30	5,336.6	-68.9	311.0	-47.4	0.66	-0.64	9.80
5,375.0	1.00	91.90	5,361.6	-69.0	311.4	-47.4	0.45	0.44	-5.60
5,400.0	0.98	97.94	5,386.6	-69.0	311.9	-47.4	0.42	-0.08	24.16
5,425.0	0.93	109.42	5,411.6	-69.1	312.3	-47.4	0.79	-0.20	45.92
5,450.0	0.89	107.67	5,436.6	-69.2	312.7	-47.5	0.19	-0.16	-7.00
5,475.0	0.91	105.07	5,461.6	-69.3	313.0	-47.6	0.18	0.08	-10.40
5,500.0	1.01	100.05	5,486.6	-69.4	313.4	-47.7	0.52	0.40	-20.08
5,525.0	0.94	111.68	5,511.6	-69.5	313.8	-47.8	0.84	-0.28	46.52
5,550.0	1.03	100.95	5,536.6	-69.7	314.3	-47.9	0.82	0.36	-42.92
5,575.0	1.17	111.35	5,561.6	-69.8	314.7	-48.0	0.97	0.56	41.60
5,600.0	1.00	101.25	5,586.6	-69.9	315.2	-48.1	1.02	-0.68	-40.40
5,625.0	1.08	108.49	5,611.6	-70.0	315.6	-48.2	0.61	0.32	28.96
5,650.0	1.02	104.67	5,636.6	-70.2	316.0	-48.3	0.37	-0.24	-15.28
5,675.0	1.06	106.95	5,661.6	-70.3	316.5	-48.3	0.23	0.16	9.12
5,700.0	1.11	102.30	5,686.6	-70.4	316.9	-48.4	0.40	0.20	-18.60

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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	1.09	98.79	5,711.6	-70.5	317.4	-48.5	0.28	-0.08	-14.04
5,750.0	1.10	99.69	5,736.6	-70.6	317.9	-48.5	0.08	0.04	3.60
5,775.0	1.09	98.97	5,761.6	-70.7	318.4	-48.6	0.07	-0.04	-2.88
5,800.0	1.04	99.32	5,786.6	-70.7	318.8	-48.6	0.20	-0.20	1.40
5,825.0	1.06	98.96	5,811.6	-70.8	319.3	-48.7	0.08	0.08	-1.44
5,850.0	1.19	105.34	5,836.6	-70.9	319.7	-48.7	0.72	0.52	25.52
5,875.0	1.09	104.69	5,861.6	-71.0	320.2	-48.8	0.40	-0.40	-2.60
5,900.0	1.04	100.73	5,886.6	-71.1	320.7	-48.9	0.36	-0.20	-15.84
5,925.0	1.18	99.12	5,911.6	-71.2	321.2	-48.9	0.57	0.56	-6.44
5,950.0	1.12	104.72	5,936.5	-71.3	321.6	-49.0	0.51	-0.24	22.40
5,975.0	1.06	102.48	5,961.5	-71.4	322.1	-49.1	0.29	-0.24	-8.96
6,000.0	1.06	95.67	5,986.5	-71.5	322.6	-49.1	0.50	0.00	-27.24
6,025.0	1.13	100.20	6,011.5	-71.6	323.0	-49.2	0.45	0.28	18.12
6,050.0	1.11	102.11	6,036.5	-71.7	323.5	-49.2	0.17	-0.08	7.64
6,075.0	1.14	105.43	6,061.5	-71.8	324.0	-49.3	0.29	0.12	13.28
6,100.0	1.08	112.53	6,086.5	-72.0	324.5	-49.4	0.60	-0.24	28.40
6,125.0	0.98	118.46	6,111.5	-72.1	324.9	-49.6	0.58	-0.40	23.72
6,150.0	0.96	114.40	6,136.5	-72.3	325.2	-49.8	0.29	-0.08	-16.24
6,175.0	1.16	118.64	6,161.5	-72.5	325.6	-49.9	0.86	0.80	16.96
6,200.0	1.07	124.79	6,186.5	-72.8	326.1	-50.2	0.60	-0.36	24.60
6,225.0	0.95	122.96	6,211.5	-73.0	326.4	-50.4	0.50	-0.48	-7.32
6,250.0	1.01	123.08	6,236.5	-73.3	326.8	-50.6	0.24	0.24	0.48
6,275.0	1.06	121.22	6,261.5	-73.5	327.2	-50.8	0.24	0.20	-7.44
6,300.0	1.11	127.99	6,286.5	-73.8	327.6	-51.1	0.55	0.20	27.08
6,325.0	1.02	130.78	6,311.5	-74.1	327.9	-51.3	0.42	-0.36	11.16
6,350.0	1.02	130.68	6,336.5	-74.4	328.3	-51.6	0.01	0.00	-0.40
6,375.0	1.01	128.42	6,361.5	-74.6	328.6	-51.8	0.17	-0.04	-9.04
6,400.0	1.15	128.85	6,386.5	-74.9	329.0	-52.1	0.56	0.56	1.72
6,425.0	1.10	137.55	6,411.5	-75.3	329.3	-52.4	0.71	-0.20	34.80
6,450.0	1.03	136.76	6,436.5	-75.6	329.6	-52.7	0.29	-0.28	-3.16
6,475.0	1.02	136.40	6,461.5	-75.9	329.9	-53.0	0.05	-0.04	-1.44
6,500.0	0.90	137.62	6,486.5	-76.2	330.2	-53.3	0.49	-0.48	4.88
6,525.0	0.69	137.73	6,511.5	-76.5	330.5	-53.6	0.84	-0.84	0.44
6,550.0	0.66	138.22	6,536.5	-76.7	330.7	-53.8	0.12	-0.12	1.96
6,575.0	0.63	143.04	6,561.4	-76.9	330.8	-54.0	0.25	-0.12	19.28
6,600.0	0.53	136.18	6,586.4	-77.1	331.0	-54.2	0.49	-0.40	-27.44
6,625.0	0.20	140.56	6,611.4	-77.3	331.1	-54.3	1.32	-1.32	17.52
6,650.0	0.07	286.46	6,636.4	-77.3	331.1	-54.3	1.04	-0.52	583.60
6,675.0	0.29	322.30	6,661.4	-77.2	331.1	-54.3	0.95	0.88	143.36
6,700.0	0.27	299.65	6,686.4	-77.1	331.0	-54.2	0.45	-0.08	-90.60
6,725.0	0.49	281.84	6,711.4	-77.1	330.8	-54.1	0.99	0.88	-71.24
6,750.0	0.58	300.66	6,736.4	-77.0	330.6	-54.1	0.78	0.36	75.28
6,775.0	0.87	303.73	6,761.4	-76.8	330.3	-53.9	1.17	1.16	12.28
6,800.0	0.82	298.80	6,786.4	-76.6	330.0	-53.7	0.35	-0.20	-19.72

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27-NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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	0.98	296.64	6,811.4	-76.5	329.7	-53.6	0.65	0.64	-8.64
6,850.0	1.00	295.43	6,836.4	-76.3	329.3	-53.4	0.12	0.08	-4.84
6,875.0	1.11	289.77	6,861.4	-76.1	328.9	-53.3	0.61	0.44	-22.64
6,900.0	1.11	289.21	6,886.4	-75.9	328.4	-53.1	0.04	0.00	-2.24
6,925.0	1.07	294.96	6,911.4	-75.8	328.0	-53.0	0.47	-0.16	23.00
6,950.0	1.00	290.62	6,936.4	-75.6	327.6	-52.9	0.42	-0.28	-17.36
6,975.0	0.93	292.78	6,961.4	-75.4	327.2	-52.7	0.32	-0.28	8.64
7,000.0	0.87	282.63	6,986.4	-75.3	326.8	-52.6	0.68	-0.24	-40.60
7,025.0	0.52	253.00	7,011.4	-75.3	326.5	-52.6	1.96	-1.40	-118.52
7,050.0	0.41	239.35	7,036.4	-75.4	326.3	-52.7	0.62	-0.44	-54.60
7,075.0	0.34	241.71	7,061.4	-75.5	326.2	-52.8	0.29	-0.28	9.44
7,100.0	0.42	236.32	7,086.4	-75.5	326.0	-52.9	0.35	0.32	-21.56
7,125.0	0.62	242.90	7,111.4	-75.7	325.8	-53.0	0.83	0.80	26.32
7,150.0	0.63	252.09	7,136.4	-75.8	325.6	-53.2	0.40	0.04	36.76
7,175.0	0.63	252.33	7,161.4	-75.8	325.3	-53.3	0.01	0.00	0.96
7,200.0	0.62	256.23	7,186.4	-75.9	325.1	-53.4	0.17	-0.04	15.60
7,225.0	0.53	269.92	7,211.4	-76.0	324.8	-53.4	0.65	-0.36	54.76
7,250.0	0.34	277.25	7,236.4	-75.9	324.6	-53.4	0.79	-0.76	29.32
7,275.0	0.31	259.80	7,261.4	-75.9	324.5	-53.4	0.41	-0.12	-69.80
7,300.0	0.17	304.97	7,286.4	-75.9	324.4	-53.4	0.90	-0.56	180.68
7,325.0	0.43	66.07	7,311.4	-75.9	324.4	-53.4	2.15	1.04	484.40
7,350.0	0.34	74.95	7,336.4	-75.8	324.6	-53.3	0.43	-0.36	35.52
7,375.0	0.35	80.24	7,361.4	-75.8	324.7	-53.3	0.13	0.04	21.16
7,400.0	0.82	88.74	7,386.4	-75.8	325.0	-53.2	1.91	1.88	34.00
7,425.0	1.34	92.66	7,411.4	-75.8	325.5	-53.2	2.10	2.08	15.68
7,450.0	1.45	88.54	7,436.4	-75.8	326.1	-53.2	0.60	0.44	-16.48
7,475.0	1.56	88.26	7,461.4	-75.8	326.7	-53.1	0.44	0.44	-1.12
7,500.0	1.58	90.74	7,486.4	-75.8	327.4	-53.0	0.28	0.08	9.92
7,525.0	1.53	91.38	7,511.4	-75.8	328.1	-53.0	0.21	-0.20	2.56
7,550.0	1.53	94.23	7,536.3	-75.8	328.8	-53.0	0.30	0.00	11.40
7,575.0	1.78	92.45	7,561.3	-75.9	329.5	-53.0	1.02	1.00	-7.12
7,600.0	2.63	91.61	7,586.3	-75.9	330.4	-53.0	3.40	3.40	-3.36
7,625.0	2.84	90.88	7,611.3	-75.9	331.6	-52.9	0.85	0.84	-2.92
7,650.0	2.88	90.32	7,636.3	-75.9	332.9	-52.8	0.20	0.16	-2.24
7,675.0	3.00	89.54	7,661.2	-75.9	334.2	-52.7	0.51	0.48	-3.12
7,700.0	2.90	91.45	7,686.2	-75.9	335.5	-52.7	0.56	-0.40	7.64
7,725.0	2.77	90.77	7,711.2	-76.0	336.7	-52.6	0.54	-0.52	-2.72
7,750.0	2.65	92.11	7,736.1	-76.0	337.9	-52.5	0.54	-0.48	5.36
7,775.0	2.58	93.56	7,761.1	-76.0	339.0	-52.5	0.39	-0.28	5.80
7,800.0	2.50	97.86	7,786.1	-76.2	340.1	-52.6	0.83	-0.32	17.20
7,825.0	2.45	95.72	7,811.1	-76.3	341.2	-52.6	0.42	-0.20	-8.56
7,850.0	2.32	94.11	7,836.0	-76.4	342.2	-52.6	0.58	-0.52	-6.44
7,875.0	2.29	95.21	7,861.0	-76.4	343.2	-52.6	0.21	-0.12	4.40

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well-Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,900.0	2.20	92.69	7,886.0	-76.5	344.2	-52.6	0.53	-0.36	-10.08
7,925.0	2.09	92.89	7,911.0	-76.6	345.1	-52.6	0.44	-0.44	0.80
7,950.0	2.07	92.44	7,936.0	-76.6	346.0	-52.6	0.10	-0.08	-1.80
7,975.0	1.95	96.98	7,960.9	-76.7	346.9	-52.6	0.80	-0.48	18.16
8,000.0	1.82	102.97	7,985.9	-76.8	347.7	-52.7	0.94	-0.52	23.96
8,025.0	1.63	108.09	8,010.9	-77.0	348.4	-52.8	0.98	-0.76	20.48
8,050.0	1.53	115.28	8,035.9	-77.3	349.1	-53.1	0.89	-0.40	28.76
8,075.0	1.40	120.19	8,060.9	-77.6	349.7	-53.3	0.72	-0.52	19.64
8,100.0	1.35	120.06	8,085.9	-77.9	350.2	-53.6	0.20	-0.20	-0.52
8,125.0	1.36	119.76	8,110.9	-78.2	350.7	-53.8	0.05	0.04	-1.20
8,150.0	1.39	119.21	8,135.9	-78.5	351.2	-54.1	0.13	0.12	-2.20
8,175.0	1.49	115.09	8,160.9	-78.7	351.8	-54.3	0.58	0.40	-16.48
8,200.0	2.36	110.44	8,185.9	-79.1	352.5	-54.6	3.53	3.48	-18.60
8,225.0	2.72	110.78	8,210.8	-79.4	353.6	-54.9	1.44	1.44	1.36
8,250.0	2.69	110.93	8,235.8	-79.9	354.7	-55.3	0.12	-0.12	0.60
8,275.0	2.62	112.40	8,260.8	-80.3	355.8	-55.6	0.39	-0.28	5.88
8,300.0	2.65	108.06	8,285.8	-80.7	356.8	-55.9	0.81	0.12	-17.36
8,325.0	2.39	109.09	8,310.7	-81.0	357.9	-56.2	1.06	-1.04	4.12
8,350.0	2.27	109.02	8,335.7	-81.4	358.8	-56.5	0.48	-0.48	-0.28
8,375.0	2.35	107.29	8,360.7	-81.7	359.8	-56.7	0.42	0.32	-6.92
8,400.0	2.13	105.97	8,385.7	-82.0	360.7	-56.9	0.90	-0.88	-5.28
8,425.0	2.17	106.45	8,410.7	-82.2	361.6	-57.1	0.18	0.16	1.92
8,450.0	2.11	106.85	8,435.6	-82.5	362.5	-57.3	0.25	-0.24	1.60
8,475.0	2.12	106.99	8,460.6	-82.8	363.4	-57.6	0.05	0.04	0.56
8,500.0	2.04	107.37	8,485.6	-83.0	364.3	-57.8	0.32	-0.32	1.52
8,525.0	1.98	106.82	8,510.6	-83.3	365.1	-58.0	0.25	-0.24	-2.20
8,550.0	1.92	101.18	8,535.6	-83.5	365.9	-58.1	0.80	-0.24	-22.56
8,575.0	1.87	99.46	8,560.6	-83.6	366.8	-58.2	0.30	-0.20	-6.88
8,600.0	1.80	98.07	8,585.5	-83.8	367.5	-58.3	0.33	-0.28	-5.56
8,625.0	1.77	93.31	8,610.5	-83.8	368.3	-58.3	0.60	-0.12	-19.04
8,650.0	1.62	91.65	8,635.5	-83.9	369.1	-58.3	0.63	-0.60	-6.64
8,675.0	1.39	93.23	8,660.5	-83.9	369.7	-58.3	0.93	-0.92	6.32
8,700.0	0.98	103.65	8,685.5	-84.0	370.2	-58.3	1.85	-1.64	41.68
8,725.0	0.65	123.30	8,710.5	-84.1	370.5	-58.4	1.71	-1.32	78.60
8,750.0	0.77	136.19	8,735.5	-84.3	370.8	-58.6	0.80	0.48	51.56
8,775.0	0.96	132.74	8,760.5	-84.6	371.1	-58.8	0.79	0.76	-13.80
8,800.0	1.02	133.85	8,785.5	-84.9	371.4	-59.1	0.25	0.24	4.44
8,825.0	1.03	137.10	8,810.5	-85.2	371.7	-59.4	0.24	0.04	13.00
8,850.0	1.00	143.27	8,835.5	-85.5	372.0	-59.7	0.45	-0.12	24.68
8,875.0	1.03	154.50	8,860.5	-85.9	372.2	-60.1	0.80	0.12	44.92
8,900.0	1.03	158.79	8,885.5	-86.3	372.4	-60.5	0.31	0.00	17.16
8,925.0	1.06	156.51	8,910.5	-86.7	372.5	-60.9	0.21	0.12	-9.12
8,950.0	1.04	146.91	8,935.5	-87.1	372.8	-61.3	0.71	-0.08	-38.40

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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)	
8,975.0	1.21	128.99	8,960.5	-87.5	373.1	-61.6	1.55	0.68	-71.68	
9,000.0	1.24	128.06	8,985.5	-87.8	373.5	-61.9	0.14	0.12	-3.72	
9,025.0	1.22	130.14	9,010.5	-88.2	373.9	-62.2	0.20	-0.08	8.32	
9,050.0	1.31	128.51	9,035.5	-88.5	374.3	-62.5	0.39	0.36	-6.52	
9,075.0	1.39	124.68	9,060.4	-88.9	374.8	-62.8	0.48	0.32	-15.32	
9,100.0	1.27	123.81	9,085.4	-89.2	375.3	-63.1	0.49	-0.48	-3.48	
9,125.0	1.38	127.78	9,110.4	-89.5	375.8	-63.4	0.57	0.44	15.88	
9,150.0	1.27	127.93	9,135.4	-89.9	376.2	-63.8	0.44	-0.44	0.60	
9,175.0	1.15	125.24	9,160.4	-90.2	376.6	-64.0	0.53	-0.48	-10.76	
9,200.0	0.97	133.29	9,185.4	-90.5	377.0	-64.3	0.93	-0.72	32.20	
9,225.0	1.10	128.07	9,210.4	-90.8	377.4	-64.6	0.64	0.52	-20.88	
9,250.0	0.99	116.25	9,235.4	-91.0	377.7	-64.8	0.97	-0.44	-47.28	
9,275.0	0.98	120.01	9,260.4	-91.2	378.1	-65.0	0.26	-0.04	15.04	
9,300.0	1.03	118.89	9,285.4	-91.4	378.5	-65.2	0.21	0.20	-4.48	
9,325.0	0.90	115.46	9,310.4	-91.6	378.9	-65.3	0.57	-0.52	-13.72	
9,350.0	1.02	118.23	9,335.4	-91.8	379.2	-65.5	0.51	0.48	11.08	
9,375.0	0.74	125.75	9,360.4	-92.0	379.6	-65.7	1.21	-1.12	30.08	
9,400.0	0.85	125.88	9,385.4	-92.2	379.8	-65.9	0.44	0.44	0.52	
9,425.0	0.79	121.74	9,410.4	-92.4	380.1	-66.0	0.34	-0.24	-16.56	
9,450.0	0.98	130.61	9,435.4	-92.7	380.5	-66.2	0.93	0.76	35.48	
9,475.0	0.89	126.46	9,460.4	-92.9	380.8	-66.5	0.45	-0.36	-16.60	
9,500.0	1.24	118.77	9,485.4	-93.2	381.2	-66.7	1.51	1.40	-30.76	
9,525.0	1.92	104.66	9,510.4	-93.4	381.8	-66.9	3.11	2.72	-56.44	
9,550.0	2.41	105.20	9,535.3	-93.6	382.7	-67.1	1.96	1.96	2.16	
9,575.0	2.48	101.60	9,560.3	-93.9	383.8	-67.2	0.67	0.28	-14.40	
9,600.0	2.56	102.10	9,585.3	-94.1	384.8	-67.4	0.33	0.32	2.00	
9,625.0	2.61	104.36	9,610.3	-94.4	385.9	-67.6	0.45	0.20	9.04	
9,650.0	2.43	104.35	9,635.3	-94.6	387.0	-67.8	0.72	-0.72	-0.04	
9,675.0	2.36	105.89	9,660.2	-94.9	388.0	-68.0	0.38	-0.28	6.16	
9,700.0	2.20	104.17	9,685.2	-95.2	389.0	-68.2	0.70	-0.64	-6.88	
9,725.0	2.07	107.99	9,710.2	-95.4	389.9	-68.4	0.77	-0.52	15.28	
9,750.0	2.06	105.80	9,735.2	-95.7	390.7	-68.6	0.32	-0.04	-8.76	
9,775.0	1.94	104.30	9,760.2	-95.9	391.6	-68.7	0.52	-0.48	-6.00	
9,800.0	1.94	103.99	9,785.1	-96.1	392.4	-68.9	0.04	0.00	-1.24	
9,825.0	1.88	104.05	9,810.1	-96.3	393.2	-69.0	0.24	-0.24	0.24	
9,850.0	1.84	105.15	9,835.1	-96.5	394.0	-69.2	0.21	-0.16	4.40	
9,875.0	1.73	101.57	9,860.1	-96.7	394.7	-69.3	0.63	-0.44	-14.32	
9,900.0	1.68	99.75	9,885.1	-96.8	395.5	-69.4	0.29	-0.20	-7.28	
9,925.0	1.61	97.53	9,910.1	-97.0	396.2	-69.4	0.38	-0.28	-8.88	
9,950.0	1.57	94.73	9,935.1	-97.0	396.9	-69.5	0.35	-0.16	-11.20	
9,975.0	1.42	87.70	9,960.1	-97.0	397.5	-69.4	0.95	-0.60	-28.12	
10,000.0	1.34	91.24	9,985.1	-97.0	398.1	-69.4	0.47	-0.32	14.16	
10,025.0	1.25	88.37	10,010.1	-97.0	398.7	-69.4	0.44	-0.36	-11.48	
10,050.0	1.22	84.74	10,035.0	-97.0	399.2	-69.3	0.34	-0.12	-14.52	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well: Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec 33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,075.0	1.22	87.40	10,060.0	-97.0	399.8	-69.2	0.23	0.00	10.64
10,100.0	1.07	85.65	10,085.0	-96.9	400.3	-69.2	0.62	-0.60	-7.00
10,125.0	1.10	89.16	10,110.0	-96.9	400.7	-69.1	0.29	0.12	14.04
10,128.0	1.13	94.60	10,113.0	-96.9	400.8	-69.1	3.67	1.00	181.33
Tie to SDI Gyro									
10,200.0	1.04	119.57	10,185.0	-97.3	402.1	-69.4	0.66	-0.13	34.68
10,231.0	0.99	126.18	10,216.0	-97.6	402.5	-69.6	0.41	-0.16	21.32
10,262.0	0.80	145.47	10,247.0	-97.9	402.9	-70.0	1.14	-0.61	62.23
10,293.0	0.83	142.58	10,278.0	-98.3	403.1	-70.3	0.16	0.10	-9.32
10,340.0	3.54	9.78	10,325.0	-97.1	403.6	-69.1	8.83	5.77	-282.55
10,386.0	12.90	7.58	10,370.5	-90.6	404.5	-62.6	20.36	20.35	-4.78
10,418.0	20.22	6.92	10,401.1	-81.6	405.6	-53.5	22.88	22.88	-2.06
10,449.0	25.37	8.48	10,429.7	-69.7	407.3	-41.5	16.73	16.61	5.03
10,481.0	25.34	8.73	10,458.6	-56.1	409.3	-27.8	0.35	-0.09	0.78
10,512.0	26.79	5.62	10,486.4	-42.6	411.0	-14.2	6.43	4.68	-10.03
10,544.0	31.63	3.82	10,514.4	-27.1	412.3	1.4	15.37	15.13	-5.63
10,575.0	36.70	3.26	10,540.0	-9.7	413.3	18.8	16.39	16.35	-1.81
10,606.0	39.88	4.70	10,564.3	9.5	414.7	38.0	10.65	10.26	4.65
10,638.0	42.77	5.40	10,588.4	30.5	416.5	59.1	9.15	9.03	2.19
10,669.0	43.84	5.90	10,610.9	51.7	418.6	80.4	3.62	3.45	1.61
10,700.0	45.65	6.47	10,632.9	73.4	421.0	102.2	5.98	5.84	1.84
10,710.8	46.66	6.38	10,640.4	81.1	421.9	110.0	9.36	9.34	-0.84
FTP @ 10710.8' MD, 330' FSL & 1261' FWL									
10,732.0	48.64	6.21	10,654.7	96.7	423.6	125.6	9.36	9.34	-0.80
10,763.0	52.20	6.10	10,674.5	120.4	426.1	149.5	11.49	11.48	-0.35
10,794.0	54.60	5.11	10,692.9	145.2	428.6	174.4	8.16	7.74	-3.19
10,825.0	56.65	3.64	10,710.4	170.7	430.5	199.9	7.68	6.61	-4.74
10,857.0	58.51	2.54	10,727.6	197.7	432.0	226.9	6.50	5.81	-3.44
10,888.0	59.48	2.63	10,743.6	224.2	433.2	253.5	3.14	3.13	0.29
10,919.0	61.96	3.03	10,758.7	251.2	434.5	280.5	8.08	8.00	1.29
10,951.0	65.80	3.64	10,772.8	279.9	436.2	309.3	12.12	12.00	1.91
10,982.0	72.18	2.29	10,783.9	308.8	437.7	338.2	20.98	20.58	-4.35
11,013.0	77.92	1.95	10,791.9	338.7	438.8	368.1	18.55	18.52	-1.10
11,044.0	80.60	0.84	10,797.7	369.1	439.5	398.5	9.33	8.65	-3.58
11,075.0	81.52	359.75	10,802.5	399.8	439.7	429.1	4.57	2.97	-3.52
11,107.0	82.38	359.90	10,807.0	431.4	439.6	460.7	2.73	2.69	0.47
11,138.0	84.76	0.75	10,810.5	462.3	439.7	491.4	8.15	7.68	2.74
11,170.0	87.87	1.58	10,812.5	494.2	440.4	523.3	10.06	9.72	2.59
11,256.0	88.03	0.19	10,815.6	580.1	441.7	609.1	1.63	0.19	-1.62
11,350.0	88.96	0.01	10,818.1	674.1	441.9	702.9	1.01	0.99	-0.19
11,444.0	90.00	358.65	10,818.9	768.1	440.8	796.6	1.82	1.11	-1.45
11,538.0	90.97	357.29	10,818.1	862.0	437.5	890.1	1.78	1.03	-1.45
11,632.0	89.15	356.25	10,818.0	955.8	432.2	983.3	2.23	-1.94	-1.11

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well: Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec 33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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)
11,726.0	87.72	355.32	10,820.6	1,049.5	425.3	1,076.3	1.81	-1.52	-0.99
11,820.0	92.35	0.46	10,820.5	1,143.4	421.8	1,169.8	7.36	4.93	5.47
11,915.0	86.20	0.12	10,821.7	1,238.4	422.3	1,264.5	6.48	-6.47	-0.36
12,009.0	86.14	1.63	10,828.0	1,332.1	423.7	1,358.2	1.60	-0.06	1.61
12,102.0	89.68	2.39	10,831.4	1,425.0	427.0	1,451.0	3.89	3.81	0.82
12,197.0	93.17	4.11	10,829.0	1,519.8	432.3	1,546.0	4.10	3.67	1.81
12,291.0	90.79	1.43	10,825.8	1,613.6	436.9	1,639.9	3.81	-2.53	-2.85
12,386.0	88.84	359.16	10,826.1	1,708.6	437.4	1,734.7	3.15	-2.05	-2.39
12,480.0	88.70	1.96	10,828.1	1,802.6	438.3	1,828.5	2.98	-0.15	2.98
12,573.0	89.20	1.70	10,829.8	1,895.5	441.3	1,921.4	0.61	0.54	-0.28
12,667.0	90.40	0.96	10,830.1	1,989.5	443.4	2,015.3	1.50	1.28	-0.79
12,761.0	89.45	359.54	10,830.3	2,083.5	443.9	2,109.1	1.82	-1.01	-1.51
12,855.0	92.35	0.40	10,828.8	2,177.5	443.8	2,202.9	3.22	3.09	0.91
12,949.0	90.70	359.44	10,826.3	2,271.4	443.7	2,296.6	2.03	-1.76	-1.02
13,051.0	88.59	358.79	10,826.9	2,373.4	442.1	2,398.2	2.16	-2.07	-0.64
13,146.0	87.74	358.00	10,830.0	2,468.3	439.4	2,492.7	1.22	-0.89	-0.83
13,239.0	87.36	359.03	10,833.9	2,561.2	437.0	2,585.2	1.18	-0.41	1.11
13,333.0	87.32	358.92	10,838.3	2,655.1	435.4	2,678.8	0.12	-0.04	-0.12
13,427.0	88.33	3.14	10,841.9	2,749.0	437.0	2,772.5	4.61	1.07	4.49
13,521.0	88.71	2.25	10,844.3	2,842.8	441.5	2,866.5	1.03	0.40	-0.95
13,615.0	88.51	1.06	10,846.6	2,936.8	444.2	2,960.4	1.28	-0.21	-1.27
13,710.0	90.62	2.36	10,847.3	3,031.7	447.0	3,055.3	2.61	2.22	1.37
13,804.0	89.74	1.08	10,847.0	3,125.7	449.8	3,149.2	1.65	-0.94	-1.36
13,899.0	89.46	0.07	10,847.7	3,220.7	450.8	3,244.1	1.10	-0.29	-1.06
13,993.0	90.70	0.89	10,847.5	3,314.7	451.6	3,337.9	1.58	1.32	0.87
14,088.0	91.13	1.04	10,846.0	3,409.6	453.2	3,432.7	0.48	0.45	0.16
14,182.0	89.98	0.65	10,845.1	3,503.6	454.6	3,526.6	1.29	-1.22	-0.41
14,276.0	88.83	359.62	10,846.1	3,597.6	454.8	3,620.4	1.64	-1.22	-1.10
14,370.0	92.42	1.90	10,845.1	3,691.6	456.0	3,714.2	4.52	3.82	2.43
14,465.0	89.50	358.90	10,843.5	3,786.5	456.7	3,809.0	4.41	-3.07	-3.16
14,559.0	90.25	359.48	10,843.7	3,880.5	455.4	3,902.7	1.01	0.80	0.62
14,652.0	90.60	359.80	10,843.0	3,973.5	454.8	3,995.4	0.51	0.38	0.34
14,746.0	88.46	358.72	10,843.8	4,067.5	453.6	4,089.1	2.55	-2.28	-1.15
14,840.0	87.46	359.45	10,847.1	4,161.4	452.1	4,182.7	1.32	-1.06	0.78
14,935.0	88.85	359.32	10,850.2	4,256.4	451.0	4,277.3	1.47	1.46	-0.14
15,029.0	90.48	0.96	10,850.7	4,350.4	451.3	4,371.1	2.46	1.73	1.74
15,123.0	91.04	0.92	10,849.5	4,444.3	452.8	4,465.0	0.60	0.60	-0.04
15,217.0	89.07	0.94	10,849.4	4,538.3	454.3	4,558.8	2.10	-2.10	0.02
15,311.0	89.78	0.16	10,850.3	4,632.3	455.2	4,652.7	1.12	0.76	-0.83
15,405.0	90.37	359.46	10,850.2	4,726.3	454.9	4,746.4	0.97	0.63	-0.74
15,499.0	92.44	359.54	10,847.9	4,820.3	454.1	4,840.1	2.20	2.20	0.09
15,593.0	92.53	0.82	10,843.8	4,914.2	454.4	4,933.8	1.36	0.10	1.36
15,687.0	92.30	2.70	10,839.9	5,008.1	457.3	5,027.7	2.01	-0.24	2.00
15,781.0	91.99	3.94	10,836.3	5,101.8	462.7	5,121.6	1.36	-0.33	1.32

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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)
15,874.0	89.75	2.80	10,834.9	5,194.7	468.2	5,214.6	2.70	-2.41	-1.23
15,968.0	87.79	4.19	10,836.9	5,288.5	473.9	5,308.5	2.56	-2.09	1.48
16,063.0	88.01	3.76	10,840.4	5,383.2	480.5	5,403.5	0.51	0.23	-0.45
16,156.0	92.19	5.02	10,840.3	5,475.9	487.6	5,496.4	4.69	4.49	1.35
16,251.0	88.03	2.05	10,840.1	5,570.6	493.5	5,591.4	5.38	-4.38	-3.13
16,344.0	84.62	356.59	10,846.0	5,663.4	492.4	5,683.9	6.91	-3.67	-5.87
16,437.0	91.30	357.75	10,849.4	5,756.2	487.8	5,776.1	7.29	7.18	1.25
16,531.0	93.21	358.27	10,845.7	5,850.0	484.5	5,869.5	2.11	2.03	0.55
16,625.0	92.25	1.65	10,841.2	5,943.9	484.5	5,963.2	3.73	-1.02	3.60
16,712.0	86.76	1.82	10,841.9	6,030.8	487.1	6,050.1	6.31	-6.31	0.20
16,805.0	86.67	1.62	10,847.3	6,123.6	489.9	6,142.8	0.24	-0.10	-0.22
16,899.0	87.19	0.55	10,852.3	6,217.5	491.7	6,236.6	1.26	0.55	-1.14
16,993.0	87.78	359.86	10,856.4	6,311.4	492.0	6,330.3	0.97	0.63	-0.73
17,087.0	87.70	0.44	10,860.1	6,405.3	492.2	6,424.0	0.62	-0.09	0.62
17,181.0	89.50	359.31	10,862.4	6,499.3	492.0	6,517.8	2.26	1.91	-1.20
17,275.0	89.20	357.68	10,863.5	6,593.3	489.6	6,611.3	1.76	-0.32	-1.73
17,368.0	88.61	357.00	10,865.3	6,686.1	485.3	6,703.7	0.97	-0.63	-0.73
17,462.0	87.79	356.75	10,868.2	6,780.0	480.1	6,796.9	0.91	-0.87	-0.27
17,555.0	89.63	357.97	10,870.3	6,872.8	475.9	6,889.3	2.37	1.98	1.31
17,648.0	91.79	358.58	10,869.2	6,965.8	473.1	6,981.8	2.41	2.32	0.66
17,743.0	92.98	358.27	10,865.2	7,060.6	470.4	7,076.3	1.29	1.25	-0.33
17,754.2	92.97	358.25	10,864.6	7,071.8	470.1	7,087.4	0.23	-0.13	-0.19
LTP @ 17754.2' MD, 330' FNL & 1247' FWL									
17,821.0	92.88	358.12	10,861.2	7,138.5	468.0	7,153.8	0.23	-0.13	-0.19
LAST SVY									
17,883.0	92.88	358.12	10,858.1	7,200.4	466.0	7,215.4	0.00	0.00	0.00
Projection to TD @ 17883' MD, 201.4' FNL & 1240' FWL									

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
FTP (Littlefield 33 Fed	-	0.00	0.01	10,818.0	81.1	431.6	364,219.10	605,312.00	32° 0' 3.229 N 103° 59' 36.992 W
- actual wellpath misses target center by 139.3usft at 10812.1usft MD (10703.2 TVD, 160.0 N, 429.8 E)									
- Point									
PBHL (Littlefield 33 Fed	-	0.38	0.53	10,863.0	7,201.5	497.0	371,339.50	605,377.40	32° 1' 13.694 N 103° 59' 35.973 W
- actual wellpath misses target center by 31.4usft at 17882.8usft MD (10858.1 TVD, 7200.2 N, 466.0 E)									
- Rectangle (sides W60.0 H7,109.0 D20.0)									
LTP (Littlefield 33 Fed	-	0.00	0.00	10,863.0	7,071.5	495.8	371,209.50	605,376.20	32° 1' 12.408 N 103° 59' 35.991 W
- actual wellpath misses target center by 25.7usft at 17753.2usft MD (10864.7 TVD, 7070.8 N, 470.1 E)									
- Point									

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well: Littlefield 33 Fed Com #807H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2888.4usft (Latshaw 44)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2888.4usft (Latshaw 44)
Well:	Littlefield 33 Fed Com #807H	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 (°)
478.0	478.0	Rustler			
631.0	631.0	TOS			
2,639.3	2,632.0	BOS (Fletcher)			
2,824.9	2,817.0	LMAR (Top Delaware)			
2,858.0	2,850.0	BLCN			
3,737.6	3,727.0	CYCN			
5,009.3	4,996.0	BYCN			
6,522.5	6,509.0	Bone Sprg (BSGL)			
6,721.6	6,708.0	U Avalon Sh			
7,118.6	7,105.0	L Avalon Sh			
7,439.6	7,426.0	FBSG_sand			
8,169.1	8,155.0	SBSG_sand			
8,589.4	8,575.0	SBSG_sand base			
9,304.6	9,290.0	TBSG_sand			
9,673.8	9,659.0	WFMP			
10,143.0	10,128.0	WFMP B			
10,440.5	10,422.0	WFMP C			
10,879.1	10,739.0	WFMP D			

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
10,128.0	10,113.0	-96.9	400.8	Tie to SDI Gyro	
10,710.8	10,640.4	81.1	421.9	FTP @ 10710.8'MD, 330'FSL & 1261'FWL	
17,754.2	10,864.6	7,071.8	470.1	LTP @ 17754.2'MD, 330'FNL & 1247'FWL	
17,821.0	10,861.2	7,138.5	468.0	LAST SVY	
17,883.0	10,858.1	7,200.4	466.0	Projection to TD @ 17883'MD, 201.4'FNL & 1240'FWL	

Checked By: _____ Approved By: _____ Date: _____