



Concho Resources, Inc.

Eddy County (NAD27 NME)

(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E

Littlefield 33 Fed Com #806H

API# 30-015-45167

OWB

Design: AWB

Standard Survey Report

28 January, 2019

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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 #806H					
Well Position	+N/-S	0.0 usft	Northing:	364,192.14 usft	Latitude:	32° 0' 2.927 N
	+E/-W	0.0 usft	Easting:	606,445.42 usft	Longitude:	103° 59' 23.831 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	2,860.5 usft

Wellbore		OWB			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/16/18	6.99	59.77	47,628.66794880

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	356.35

Survey Program		Date: 01/25/19		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	10,200.0	SDI Gyro Svy (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
10,277.0	17,951.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS	MWD + IFR1 + Multi-Station Correction

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	1.66	213.35	100.0	-1.2	-0.8	-1.2	1.66	1.66	0.00
125.0	1.92	216.34	125.0	-1.8	-1.2	-1.8	1.10	1.04	11.96
150.0	2.01	217.34	150.0	-2.5	-1.8	-2.4	0.39	0.36	4.00
175.0	1.83	210.85	174.9	-3.2	-2.2	-3.1	1.13	-0.72	-25.96
200.0	1.69	204.44	199.9	-3.9	-2.6	-3.7	0.97	-0.56	-25.64
225.0	1.52	190.73	224.9	-4.6	-2.8	-4.4	1.67	-0.68	-54.84
250.0	1.45	181.44	249.9	-5.2	-2.9	-5.0	1.00	-0.28	-37.16
275.0	1.44	174.01	274.9	-5.8	-2.8	-5.6	0.75	-0.04	-29.72
300.0	-1.44	174.57	299.9	-6.5	-2.8	-6.3	0.06	0.00	2.24

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
325.0	1.42	169.10	324.9	-7.1	-2.7	-6.9	0.55	-0.08	-21.88
350.0	1.54	182.51	349.9	-7.7	-2.6	-7.5	1.46	0.48	53.64
375.0	1.74	193.55	374.9	-8.4	-2.8	-8.2	1.49	0.80	44.16
400.0	2.01	200.18	399.9	-9.2	-3.0	-9.0	1.38	1.08	26.52
425.0	2.10	199.54	424.8	-10.0	-3.3	-9.8	0.37	0.36	-2.56
450.0	2.05	196.50	449.8	-10.9	-3.6	-10.7	0.48	-0.20	-12.16
475.0	2.14	204.85	474.8	-11.8	-3.9	-11.5	1.27	0.36	33.40
500.0	2.06	199.49	499.8	-12.6	-4.2	-12.3	0.85	-0.32	-21.44
525.0	2.00	195.48	524.8	-13.5	-4.5	-13.1	0.62	-0.24	-16.04
550.0	1.96	192.00	549.8	-14.3	-4.7	-14.0	0.51	-0.16	-13.92
575.0	1.93	193.49	574.7	-15.1	-4.9	-14.8	0.24	-0.12	5.96
600.0	2.01	191.33	599.7	-16.0	-5.1	-15.6	0.44	0.32	-8.64
625.0	1.96	196.31	624.7	-16.8	-5.3	-16.4	0.72	-0.20	19.92
650.0	2.05	194.42	649.7	-17.6	-5.5	-17.3	0.45	0.36	-7.56
675.0	1.89	192.57	674.7	-18.5	-5.7	-18.1	0.69	-0.64	-7.40
700.0	2.02	193.99	699.7	-19.3	-5.9	-18.9	0.55	0.52	5.68
725.0	1.92	194.40	724.7	-20.1	-6.1	-19.7	0.40	-0.40	1.64
750.0	1.35	202.94	749.6	-20.8	-6.4	-20.4	2.47	-2.28	34.16
775.0	0.96	206.16	774.6	-21.3	-6.6	-20.8	1.58	-1.56	12.88
800.0	0.95	205.30	799.6	-21.7	-6.7	-21.2	0.07	-0.04	-3.44
825.0	0.85	217.42	824.6	-22.0	-6.9	-21.5	0.86	-0.40	48.48
850.0	0.94	220.83	849.6	-22.3	-7.2	-21.8	0.42	0.36	13.64
875.0	0.88	219.15	874.6	-22.6	-7.4	-22.1	0.26	-0.24	-6.72
900.0	0.98	222.11	899.6	-22.9	-7.7	-22.4	0.44	0.40	11.84
925.0	1.24	223.19	924.6	-23.3	-8.0	-22.7	1.04	1.04	4.32
950.0	1.15	215.38	949.6	-23.7	-8.4	-23.1	0.74	-0.36	-31.24
975.0	1.23	219.18	974.6	-24.1	-8.7	-23.5	0.45	0.32	15.20
1,000.0	1.13	217.92	999.6	-24.5	-9.0	-23.8	0.41	-0.40	-5.04
1,025.0	1.02	219.30	1,024.6	-24.8	-9.3	-24.2	0.45	-0.44	5.52
1,050.0	0.78	222.36	1,049.6	-25.1	-9.6	-24.5	0.98	-0.96	12.24
1,075.0	0.25	277.14	1,074.6	-25.3	-9.7	-24.6	2.67	-2.12	219.12
1,100.0	0.45	298.55	1,099.6	-25.2	-9.9	-24.5	0.94	0.80	85.64
1,125.0	0.43	311.30	1,124.6	-25.1	-10.0	-24.4	0.40	-0.08	51.00
1,150.0	0.47	307.33	1,149.6	-25.0	-10.2	-24.3	0.20	0.16	-15.88
1,175.0	0.43	301.64	1,174.6	-24.9	-10.3	-24.1	0.24	-0.16	-22.76
1,200.0	0.50	304.99	1,199.6	-24.7	-10.5	-24.0	0.30	0.28	13.40
1,225.0	0.39	298.81	1,224.6	-24.6	-10.7	-23.9	0.48	-0.44	-24.72
1,250.0	0.34	297.18	1,249.6	-24.6	-10.8	-23.8	0.20	-0.20	-6.52
1,275.0	0.28	274.74	1,274.6	-24.5	-10.9	-23.8	0.54	-0.24	-89.76
1,300.0	0.21	231.36	1,299.6	-24.6	-11.0	-23.8	0.77	-0.28	-173.52
1,325.0	0.24	180.65	1,324.6	-24.6	-11.1	-23.9	0.78	0.12	-202.84
1,350.0	0.37	205.63	1,349.6	-24.8	-11.1	-24.0	0.73	0.52	99.92
1,375.0	0.34	210.61	1,374.6	-24.9	-11.2	-24.1	0.17	-0.12	19.92

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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	0.46	197.84	1,399.6	-25.1	-11.2	-24.3	0.60	0.48	-51.08	
1,425.0	0.57	205.27	1,424.6	-25.3	-11.3	-24.5	0.51	0.44	29.72	
1,450.0	0.58	196.68	1,449.6	-25.5	-11.4	-24.7	0.35	0.04	-34.36	
1,475.0	0.65	206.31	1,474.6	-25.7	-11.5	-25.0	0.50	0.28	38.52	
1,500.0	1.29	231.45	1,499.6	-26.0	-11.8	-25.2	3.02	2.56	100.56	
1,525.0	1.63	237.96	1,524.6	-26.4	-12.3	-25.6	1.51	1.36	26.04	
1,550.0	1.60	233.63	1,549.6	-26.8	-12.9	-25.9	0.50	-0.12	-17.32	
1,575.0	1.58	233.94	1,574.6	-27.2	-13.5	-26.3	0.09	-0.08	1.24	
1,600.0	1.44	226.05	1,599.5	-27.6	-14.0	-26.7	1.00	-0.56	-31.56	
1,625.0	1.37	225.58	1,624.5	-28.1	-14.4	-27.1	0.28	-0.28	-1.88	
1,650.0	1.37	227.12	1,649.5	-28.5	-14.8	-27.5	0.15	0.00	6.16	
1,675.0	1.76	243.26	1,674.5	-28.9	-15.4	-27.8	2.34	1.56	64.56	
1,700.0	2.65	263.01	1,699.5	-29.1	-16.3	-28.0	4.63	3.56	79.00	
1,725.0	2.65	260.99	1,724.5	-29.3	-17.5	-28.1	0.37	0.00	-8.08	
1,750.0	2.56	260.50	1,749.5	-29.4	-18.6	-28.2	0.37	-0.36	-1.96	
1,775.0	2.64	259.85	1,774.4	-29.6	-19.7	-28.3	0.34	0.32	-2.60	
1,800.0	2.49	258.81	1,799.4	-29.8	-20.8	-28.5	0.63	-0.60	-4.16	
1,825.0	2.46	258.30	1,824.4	-30.1	-21.9	-28.6	0.15	-0.12	-2.04	
1,850.0	2.33	257.33	1,849.4	-30.3	-22.9	-28.8	0.54	-0.52	-3.88	
1,875.0	2.46	258.31	1,874.3	-30.5	-23.9	-28.9	0.55	0.52	3.92	
1,900.0	2.68	259.32	1,899.3	-30.7	-25.0	-29.1	0.90	0.88	4.04	
1,925.0	2.58	254.36	1,924.3	-31.0	-26.1	-29.2	0.99	-0.40	-19.84	
1,950.0	2.77	253.05	1,949.3	-31.3	-27.2	-29.5	0.80	0.76	-5.24	
1,975.0	2.88	255.06	1,974.2	-31.6	-28.4	-29.8	0.59	0.44	8.04	
2,000.0	3.93	268.95	1,999.2	-31.8	-29.9	-29.8	5.31	4.20	55.56	
2,025.0	4.43	274.20	2,024.1	-31.8	-31.7	-29.7	2.52	2.00	21.00	
2,050.0	4.54	273.77	2,049.0	-31.6	-33.7	-29.4	0.46	0.44	-1.72	
2,075.0	4.33	274.04	2,074.0	-31.5	-35.6	-29.2	0.84	-0.84	1.08	
2,100.0	4.12	273.71	2,098.9	-31.4	-37.4	-28.9	0.85	-0.84	-1.32	
2,125.0	3.96	273.83	2,123.8	-31.3	-39.2	-28.7	0.64	-0.64	0.48	
2,150.0	3.64	270.71	2,148.8	-31.2	-40.8	-28.5	1.52	-1.28	-12.48	
2,175.0	3.34	270.54	2,173.7	-31.2	-42.4	-28.4	1.20	-1.20	-0.68	
2,200.0	3.51	269.75	2,198.7	-31.2	-43.8	-28.3	0.71	0.68	-3.16	
2,225.0	3.27	268.13	2,223.6	-31.2	-45.3	-28.2	1.03	-0.96	-6.48	
2,250.0	2.85	266.25	2,248.6	-31.3	-46.7	-28.2	1.73	-1.68	-7.52	
2,275.0	2.62	267.96	2,273.6	-31.3	-47.9	-28.2	0.98	-0.92	6.84	
2,300.0	2.20	268.49	2,298.6	-31.3	-48.9	-28.2	1.68	-1.68	2.12	
2,325.0	1.57	259.30	2,323.5	-31.4	-49.7	-28.2	2.79	-2.52	-36.76	
2,350.0	1.52	259.77	2,348.5	-31.5	-50.4	-28.3	0.21	-0.20	1.88	
2,375.0	1.44	259.78	2,373.5	-31.7	-51.0	-28.4	0.32	-0.32	0.04	
2,400.0	1.45	258.87	2,398.5	-31.8	-51.6	-28.4	0.10	0.04	-3.64	
2,425.0	1.38	259.80	2,423.5	-31.9	-52.2	-28.5	0.29	-0.28	3.72	
2,450.0	1.42	259.71	2,448.5	-32.0	-52.8	-28.6	0.16	0.16	-0.36	

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Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
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2,475.0	1.44	256.38	2,473.5	-32.1	-53.5	-28.7	0.34	0.08	-13.32
2,500.0	1.39	255.95	2,498.5	-32.3	-54.1	-28.8	0.20	-0.20	-1.72
2,525.0	1.53	258.84	2,523.5	-32.4	-54.7	-28.9	0.63	0.56	11.56
2,550.0	1.40	258.25	2,548.5	-32.5	-55.3	-29.0	0.52	-0.52	-2.36
2,575.0	1.46	257.36	2,573.5	-32.7	-55.9	-29.1	0.26	0.24	-3.56
2,600.0	1.38	256.25	2,598.5	-32.8	-56.5	-29.2	0.34	-0.32	-4.44
2,625.0	1.50	256.77	2,623.4	-33.0	-57.1	-29.3	0.48	0.48	2.08
2,650.0	2.70	263.06	2,648.4	-33.1	-58.0	-29.3	4.88	4.80	25.16
2,675.0	3.71	264.46	2,673.4	-33.3	-59.4	-29.4	4.05	4.04	5.60
2,700.0	3.72	264.77	2,698.3	-33.4	-61.0	-29.5	0.09	0.04	1.24
2,725.0	3.71	264.95	2,723.3	-33.6	-62.6	-29.5	0.06	-0.04	0.72
2,750.0	3.60	265.20	2,748.2	-33.7	-64.2	-29.5	0.44	-0.44	1.00
2,775.0	3.46	265.38	2,773.2	-33.8	-65.8	-29.6	0.56	-0.56	0.72
2,800.0	3.47	265.37	2,798.1	-33.9	-67.3	-29.6	0.04	0.04	-0.04
2,825.0	3.51	265.15	2,823.1	-34.1	-68.8	-29.6	0.17	0.16	-0.88
2,850.0	3.45	265.03	2,848.1	-34.2	-70.3	-29.7	0.24	-0.24	-0.48
2,875.0	3.46	265.80	2,873.0	-34.3	-71.8	-29.7	0.19	0.04	3.08
2,900.0	3.40	264.66	2,898.0	-34.4	-73.3	-29.7	0.36	-0.24	-4.56
2,925.0	3.59	264.49	2,922.9	-34.6	-74.8	-29.8	0.76	0.76	-0.68
2,950.0	3.48	263.63	2,947.9	-34.7	-76.3	-29.8	0.49	-0.44	-3.44
2,975.0	3.45	263.10	2,972.8	-34.9	-77.8	-29.9	0.18	-0.12	-2.12
3,000.0	3.43	264.28	2,997.8	-35.1	-79.3	-30.0	0.29	-0.08	4.72
3,025.0	4.37	264.03	3,022.7	-35.3	-81.0	-30.0	3.76	3.76	-1.00
3,050.0	5.54	265.32	3,047.6	-35.5	-83.2	-30.1	4.70	4.68	5.16
3,075.0	5.92	266.66	3,072.5	-35.6	-85.7	-30.1	1.61	1.52	5.36
3,100.0	5.90	266.51	3,097.4	-35.8	-88.2	-30.1	0.10	-0.08	-0.60
3,125.0	5.89	266.63	3,122.2	-35.9	-90.8	-30.1	0.06	-0.04	0.48
3,150.0	5.91	267.00	3,147.1	-36.1	-93.4	-30.1	0.17	0.08	1.48
3,175.0	5.90	264.19	3,172.0	-36.3	-95.9	-30.1	1.16	-0.04	-11.24
3,200.0	5.77	261.18	3,196.8	-36.6	-98.4	-30.3	1.33	-0.52	-12.04
3,225.0	6.10	253.45	3,221.7	-37.2	-101.0	-30.7	3.46	1.32	-30.92
3,250.0	6.18	250.36	3,246.6	-38.0	-103.5	-31.3	1.36	0.32	-12.36
3,275.0	6.36	249.24	3,271.4	-38.9	-106.1	-32.1	0.87	0.72	-4.48
3,300.0	6.27	247.63	3,296.3	-40.0	-108.6	-33.0	0.79	-0.36	-6.44
3,325.0	6.30	246.91	3,321.1	-41.0	-111.1	-33.9	0.34	0.12	-2.88
3,350.0	6.15	246.75	3,346.0	-42.1	-113.6	-34.8	0.60	-0.60	-0.64
3,375.0	6.00	244.81	3,370.8	-43.2	-116.1	-35.7	1.02	-0.60	-7.76
3,400.0	6.04	244.03	3,395.7	-44.3	-118.4	-36.7	0.36	0.16	-3.12
3,425.0	5.76	244.73	3,420.6	-45.4	-120.7	-37.6	1.16	-1.12	2.80
3,450.0	6.01	244.33	3,445.4	-46.5	-123.0	-38.6	1.01	1.00	-1.60
3,475.0	5.90	244.09	3,470.3	-47.6	-125.4	-39.6	0.45	-0.44	-0.96
3,500.0	5.88	244.12	3,495.2	-48.8	-127.7	-40.5	0.08	-0.08	0.12
3,525.0	5.98	243.94	3,520.0	-49.9	-130.0	-41.5	0.41	0.40	-0.72
3,550.0	5.96	244.29	3,544.9	-51.0	-132.4	-42.5	0.17	-0.08	1.40

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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	5.72	242.17	3,569.8	-52.2	-134.6	-43.5	1.29	-0.96	-8.48
3,600.0	5.41	240.79	3,594.6	-53.3	-136.8	-44.5	1.35	-1.24	-5.52
3,625.0	5.32	240.55	3,619.5	-54.5	-138.8	-45.5	0.37	-0.36	-0.96
3,650.0	5.32	240.44	3,644.4	-55.6	-140.8	-46.5	0.04	0.00	-0.44
3,675.0	5.53	243.13	3,669.3	-56.7	-142.9	-47.5	1.32	0.84	10.76
3,700.0	6.22	245.30	3,694.2	-57.8	-145.2	-48.5	2.90	2.76	8.68
3,725.0	6.22	245.47	3,719.0	-59.0	-147.7	-49.5	0.07	0.00	0.68
3,750.0	6.29	245.15	3,743.9	-60.1	-150.1	-50.4	0.31	0.28	-1.28
3,775.0	6.34	244.80	3,768.7	-61.3	-152.6	-51.4	0.25	0.20	-1.40
3,800.0	6.25	245.20	3,793.6	-62.4	-155.1	-52.4	0.40	-0.36	1.60
3,825.0	6.23	244.88	3,818.4	-63.6	-157.6	-53.4	0.16	-0.08	-1.28
3,850.0	6.13	244.87	3,843.3	-64.7	-160.0	-54.4	0.40	-0.40	-0.04
3,875.0	6.00	243.25	3,868.1	-65.9	-162.4	-55.4	0.86	-0.52	-6.48
3,900.0	5.93	243.02	3,893.0	-67.0	-164.7	-56.4	0.30	-0.28	-0.92
3,925.0	5.85	242.80	3,917.9	-68.2	-167.0	-57.4	0.33	-0.32	-0.88
3,950.0	5.81	242.34	3,942.7	-69.4	-169.2	-58.5	0.25	-0.16	-1.84
3,975.0	5.87	242.72	3,967.6	-70.6	-171.5	-59.5	0.29	0.24	1.52
4,000.0	6.01	243.77	3,992.5	-71.7	-173.8	-60.5	0.71	0.56	4.20
4,025.0	6.13	243.20	4,017.3	-72.9	-176.2	-61.5	0.54	0.48	-2.28
4,050.0	6.89	243.84	4,042.2	-74.2	-178.7	-62.6	3.05	3.04	2.56
4,075.0	7.52	244.14	4,067.0	-75.5	-181.5	-63.8	2.52	2.52	1.20
4,100.0	7.53	244.92	4,091.8	-76.9	-184.5	-65.0	0.41	0.04	3.12
4,125.0	7.58	244.35	4,116.6	-78.4	-187.5	-66.3	0.36	0.20	-2.28
4,150.0	7.62	243.63	4,141.3	-79.8	-190.4	-67.5	0.41	0.16	-2.88
4,175.0	7.51	243.58	4,166.1	-81.3	-193.4	-68.8	0.44	-0.44	-0.20
4,200.0	7.29	243.10	4,190.9	-82.7	-196.3	-70.1	0.91	-0.88	-1.92
4,225.0	7.18	242.70	4,215.7	-84.1	-199.1	-71.3	0.48	-0.44	-1.60
4,250.0	7.10	242.66	4,240.5	-85.6	-201.8	-72.6	0.32	-0.32	-0.16
4,275.0	7.11	242.68	4,265.3	-87.0	-204.6	-73.8	0.04	0.04	0.08
4,300.0	6.93	241.49	4,290.1	-88.4	-207.3	-75.1	0.93	-0.72	-4.76
4,325.0	6.70	240.20	4,315.0	-89.9	-209.9	-76.3	1.11	-0.92	-5.16
4,350.0	6.78	239.93	4,339.8	-91.3	-212.4	-77.6	0.34	0.32	-1.08
4,375.0	6.81	239.91	4,364.6	-92.8	-215.0	-78.9	0.12	0.12	-0.08
4,400.0	6.80	239.92	4,389.4	-94.3	-217.5	-80.3	0.04	-0.04	0.04
4,425.0	6.94	241.96	4,414.3	-95.7	-220.1	-81.5	1.13	0.56	8.16
4,450.0	7.60	245.78	4,439.1	-97.1	-223.0	-82.8	3.27	2.64	15.28
4,475.0	7.58	245.03	4,463.8	-98.5	-226.0	-83.9	0.40	-0.08	-3.00
4,500.0	7.52	244.91	4,488.6	-99.9	-229.0	-85.1	0.25	-0.24	-0.48
4,525.0	7.51	244.99	4,513.4	-101.3	-231.9	-86.3	0.06	-0.04	0.32
4,550.0	7.59	244.79	4,538.2	-102.7	-234.9	-87.5	0.34	0.32	-0.80
4,575.0	7.63	244.42	4,563.0	-104.1	-237.9	-88.8	0.25	0.16	-1.48
4,600.0	8.09	248.58	4,587.7	-105.5	-241.0	-89.9	2.93	1.84	16.64
4,625.0	7.96	254.05	4,612.5	-106.6	-244.3	-90.8	3.10	-0.52	21.88

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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	7.83	256.93	4,637.2	-107.4	-247.6	-91.5	1.67	-0.52	11.52	
4,675.0	7.75	257.41	4,662.0	-108.2	-250.9	-92.0	0.41	-0.32	1.92	
4,700.0	7.76	257.39	4,686.8	-108.9	-254.2	-92.5	0.04	0.04	-0.08	
4,725.0	7.69	257.38	4,711.6	-109.7	-257.5	-93.1	0.28	-0.28	-0.04	
4,750.0	7.71	256.74	4,736.3	-110.4	-260.8	-93.6	0.35	0.08	-2.56	
4,775.0	7.54	256.64	4,761.1	-111.2	-264.0	-94.1	0.68	-0.68	-0.40	
4,800.0	7.30	255.50	4,785.9	-112.0	-267.1	-94.7	1.13	-0.96	-4.56	
4,825.0	7.20	255.06	4,810.7	-112.8	-270.2	-95.3	0.46	-0.40	-1.76	
4,850.0	7.32	255.07	4,835.5	-113.6	-273.2	-95.9	0.48	0.48	0.04	
4,875.0	7.29	255.26	4,860.3	-114.4	-276.3	-96.6	0.15	-0.12	0.76	
4,900.0	7.01	254.34	4,885.1	-115.2	-279.3	-97.2	1.21	-1.12	-3.68	
4,925.0	6.65	252.96	4,909.9	-116.0	-282.2	-97.8	1.58	-1.44	-5.52	
4,950.0	6.56	250.95	4,934.8	-116.9	-284.9	-98.6	0.99	-0.36	-8.04	
4,975.0	6.56	250.73	4,959.6	-117.9	-287.6	-99.3	0.10	0.00	-0.88	
5,000.0	6.58	250.86	4,984.4	-118.8	-290.3	-100.1	0.10	0.08	0.52	
5,025.0	6.37	248.96	5,009.3	-119.8	-293.0	-100.9	1.20	-0.84	-7.60	
5,050.0	6.40	247.40	5,034.1	-120.8	-295.5	-101.7	0.70	0.12	-6.24	
5,075.0	6.29	247.33	5,059.0	-121.9	-298.1	-102.6	0.44	-0.44	-0.28	
5,100.0	6.38	247.34	5,083.8	-122.9	-300.6	-103.5	0.36	0.36	0.04	
5,125.0	6.28	246.52	5,108.7	-124.0	-303.2	-104.5	0.54	-0.40	-3.28	
5,150.0	6.38	246.67	5,133.5	-125.1	-305.7	-105.4	0.41	0.40	0.60	
5,175.0	6.28	246.80	5,158.4	-126.2	-308.2	-106.3	0.40	-0.40	0.52	
5,200.0	6.33	246.36	5,183.2	-127.3	-310.7	-107.2	0.28	0.20	-1.76	
5,225.0	6.34	245.14	5,208.1	-128.4	-313.3	-108.2	0.54	0.04	-4.88	
5,250.0	6.45	245.34	5,232.9	-129.6	-315.8	-109.2	0.45	0.44	0.80	
5,275.0	6.48	245.07	5,257.7	-130.8	-318.3	-110.2	0.17	0.12	-1.08	
5,300.0	6.24	244.10	5,282.6	-132.0	-320.8	-111.3	1.05	-0.96	-3.88	
5,325.0	5.91	243.24	5,307.4	-133.1	-323.2	-112.3	1.37	-1.32	-3.44	
5,350.0	5.67	242.55	5,332.3	-134.3	-325.5	-113.3	1.00	-0.96	-2.76	
5,375.0	4.92	245.33	5,357.2	-135.3	-327.5	-114.2	3.17	-3.00	11.12	
5,400.0	4.59	251.98	5,382.1	-136.0	-329.5	-114.8	2.57	-1.32	26.60	
5,425.0	4.44	254.39	5,407.1	-136.6	-331.3	-115.3	0.97	-0.60	9.64	
5,450.0	4.46	254.20	5,432.0	-137.1	-333.2	-115.7	0.10	0.08	-0.76	
5,475.0	4.48	253.50	5,456.9	-137.7	-335.1	-116.1	0.23	0.08	-2.80	
5,500.0	4.22	252.91	5,481.8	-138.2	-336.9	-116.5	1.06	-1.04	-2.36	
5,525.0	4.02	251.33	5,506.8	-138.8	-338.6	-117.0	0.92	-0.80	-6.32	
5,550.0	3.84	252.14	5,531.7	-139.3	-340.2	-117.4	0.75	-0.72	3.24	
5,575.0	4.00	252.66	5,556.6	-139.8	-341.9	-117.8	0.66	0.64	2.08	
5,600.0	3.83	249.12	5,581.6	-140.4	-343.5	-118.3	1.18	-0.68	-14.16	
5,625.0	3.68	247.54	5,606.5	-141.0	-345.0	-118.8	0.73	-0.60	-6.32	
5,650.0	3.63	246.71	5,631.5	-141.6	-346.5	-119.3	0.29	-0.20	-3.32	
5,675.0	3.65	248.63	5,656.4	-142.2	-347.9	-119.8	0.49	0.08	7.68	
5,700.0	3.71	246.52	5,681.4	-142.8	-349.4	-120.3	0.59	0.24	-8.44	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

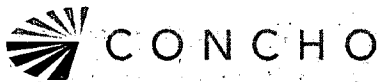
Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,725.0	3.69	245.62	5,706.3	-143.5	-350.9	-120.9	0.25	-0.08	-3.60	
5,750.0	3.66	247.36	5,731.3	-144.1	-352.4	-121.4	0.46	-0.12	6.96	
5,775.0	4.04	245.58	5,756.2	-144.8	-353.9	-122.0	1.59	1.52	-7.12	
5,800.0	3.42	245.41	5,781.2	-145.5	-355.4	-122.6	2.48	-2.48	-0.68	
5,825.0	3.63	245.67	5,806.1	-146.1	-356.8	-123.1	0.84	0.84	1.04	
5,850.0	3.63	245.91	5,831.1	-146.8	-358.2	-123.7	0.06	0.00	0.96	
5,875.0	3.60	244.68	5,856.0	-147.4	-359.7	-124.2	0.33	-0.12	-4.92	
5,900.0	3.74	246.85	5,881.0	-148.1	-361.1	-124.8	0.79	0.56	8.68	
5,925.0	3.82	247.88	5,905.9	-148.7	-362.6	-125.3	0.42	0.32	4.12	
5,950.0	3.98	247.69	5,930.9	-149.3	-364.2	-125.9	0.64	0.64	-0.76	
5,975.0	4.00	247.94	5,955.8	-150.0	-365.8	-126.4	0.11	0.08	1.00	
6,000.0	3.98	248.81	5,980.7	-150.6	-367.4	-127.0	0.26	-0.08	3.48	
6,025.0	4.02	248.43	6,005.7	-151.3	-369.1	-127.5	0.19	0.16	-1.52	
6,050.0	4.10	247.10	6,030.6	-152.0	-370.7	-128.1	0.49	0.32	-5.32	
6,075.0	3.96	246.95	6,055.6	-152.6	-372.3	-128.6	0.56	-0.56	-0.60	
6,100.0	3.96	245.89	6,080.5	-153.3	-373.9	-129.2	0.29	0.00	-4.24	
6,125.0	3.91	244.93	6,105.4	-154.0	-375.5	-129.8	0.33	-0.20	-3.84	
6,150.0	3.66	244.63	6,130.4	-154.7	-377.0	-130.4	1.00	-1.00	-1.20	
6,175.0	3.61	242.83	6,155.3	-155.4	-378.4	-131.1	0.50	-0.20	-7.20	
6,200.0	3.69	241.92	6,180.3	-156.2	-379.8	-131.7	0.40	0.32	-3.64	
6,225.0	3.66	241.30	6,205.2	-156.9	-381.2	-132.4	0.20	-0.12	-2.48	
6,250.0	3.73	241.96	6,230.2	-157.7	-382.6	-133.0	0.33	0.28	2.64	
6,275.0	3.73	241.99	6,255.1	-158.5	-384.0	-133.7	0.01	0.00	0.12	
6,300.0	3.63	240.59	6,280.1	-159.2	-385.5	-134.4	0.54	-0.40	-5.60	
6,325.0	3.73	241.31	6,305.0	-160.0	-386.9	-135.1	0.44	0.40	2.88	
6,350.0	3.75	240.66	6,330.0	-160.8	-388.3	-135.8	0.19	0.08	-2.60	
6,375.0	4.06	243.50	6,354.9	-161.6	-389.8	-136.5	1.46	1.24	11.36	
6,400.0	4.15	248.04	6,379.8	-162.3	-391.4	-137.1	1.35	0.36	18.16	
6,425.0	4.37	248.67	6,404.8	-163.0	-393.1	-137.7	0.90	0.88	2.52	
6,450.0	4.33	247.64	6,429.7	-163.7	-394.9	-138.3	0.35	-0.16	-4.12	
6,475.0	4.23	248.83	6,454.6	-164.4	-396.6	-138.9	0.53	-0.40	4.76	
6,500.0	4.04	249.41	6,479.6	-165.1	-398.3	-139.4	0.78	-0.76	2.32	
6,525.0	4.13	250.76	6,504.5	-165.7	-400.0	-139.9	0.53	0.36	5.40	
6,550.0	4.18	254.27	6,529.4	-166.2	-401.7	-140.3	1.04	0.20	14.04	
6,575.0	3.98	257.68	6,554.4	-166.7	-403.4	-140.6	1.26	-0.80	13.64	
6,600.0	3.98	259.85	6,579.3	-167.0	-405.1	-140.9	0.60	0.00	8.68	
6,625.0	3.99	260.98	6,604.3	-167.3	-406.9	-141.0	0.32	0.04	4.52	
6,650.0	3.87	267.91	6,629.2	-167.4	-408.6	-141.1	1.96	-0.48	27.72	
6,675.0	3.80	271.87	6,654.1	-167.4	-410.2	-141.0	1.10	-0.28	15.84	
6,700.0	3.75	273.74	6,679.1	-167.4	-411.9	-140.8	0.53	-0.20	7.48	
6,725.0	3.56	273.39	6,704.0	-167.3	-413.5	-140.6	0.77	-0.76	-1.40	
6,750.0	3.48	271.34	6,729.0	-167.2	-415.0	-140.5	0.60	-0.32	-8.20	
6,775.0	3.41	265.70	6,753.9	-167.2	-416.5	-140.4	1.38	-0.28	-22.56	
6,800.0	3.22	263.37	6,778.9	-167.4	-417.9	-140.4	0.93	-0.76	-9.32	

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33 T-26-S R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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	3.27	263.53	6,803.9	-167.5	-419.3	-140.5	0.20	0.20	0.64
6,850.0	3.08	261.87	6,828.8	-167.7	-420.7	-140.6	0.84	-0.76	-6.64
6,875.0	3.13	263.72	6,853.8	-167.9	-422.1	-140.7	0.45	0.20	7.40
6,900.0	3.24	262.59	6,878.7	-168.1	-423.4	-140.8	0.51	0.44	-4.52
6,925.0	3.18	261.58	6,903.7	-168.2	-424.8	-140.9	0.33	-0.24	-4.04
6,950.0	3.24	261.18	6,928.7	-168.5	-426.2	-141.0	0.26	0.24	-1.60
6,975.0	3.22	261.30	6,953.6	-168.7	-427.6	-141.1	0.08	-0.08	0.48
7,000.0	3.21	259.36	6,978.6	-168.9	-429.0	-141.3	0.44	-0.04	-7.76
7,025.0	3.14	258.44	7,003.5	-169.2	-430.3	-141.4	0.35	-0.28	-3.68
7,050.0	3.11	260.13	7,028.5	-169.4	-431.7	-141.6	0.39	-0.12	6.76
7,075.0	2.93	260.09	7,053.5	-169.7	-433.0	-141.8	0.72	-0.72	-0.16
7,100.0	2.05	262.49	7,078.5	-169.8	-434.1	-141.9	3.54	-3.52	9.60
7,125.0	2.93	261.84	7,103.4	-170.0	-435.1	-141.9	3.52	3.52	-2.60
7,150.0	2.84	261.32	7,128.4	-170.2	-436.4	-142.0	0.37	-0.36	-2.08
7,175.0	2.75	259.82	7,153.4	-170.4	-437.6	-142.2	0.46	-0.36	-6.00
7,200.0	2.84	262.64	7,178.3	-170.5	-438.8	-142.3	0.66	0.36	11.28
7,225.0	2.97	263.54	7,203.3	-170.7	-440.0	-142.3	0.55	0.52	3.60
7,250.0	2.68	257.76	7,228.3	-170.9	-441.3	-142.5	1.62	-1.16	-23.12
7,275.0	2.78	259.83	7,253.2	-171.1	-442.4	-142.6	0.56	0.40	8.28
7,300.0	2.70	259.67	7,278.2	-171.3	-443.6	-142.8	0.32	-0.32	-0.64
7,325.0	2.80	253.46	7,303.2	-171.6	-444.8	-143.0	1.26	0.40	-24.84
7,350.0	2.71	250.98	7,328.2	-172.0	-445.9	-143.3	0.60	-0.36	-9.92
7,375.0	2.82	251.91	7,353.1	-172.4	-447.1	-143.6	0.48	0.44	3.72
7,400.0	2.84	253.35	7,378.1	-172.7	-448.2	-143.9	0.30	0.08	5.76
7,425.0	2.78	250.22	7,403.1	-173.1	-449.4	-144.2	0.66	-0.24	-12.52
7,450.0	2.96	248.95	7,428.0	-173.5	-450.6	-144.5	0.76	0.72	-5.08
7,475.0	3.03	247.01	7,453.0	-174.0	-451.8	-144.9	0.49	0.28	-7.76
7,500.0	3.15	244.37	7,478.0	-174.6	-453.0	-145.4	0.74	0.48	-10.56
7,525.0	3.16	241.16	7,502.9	-175.2	-454.2	-146.0	0.71	0.04	-12.84
7,550.0	3.19	241.85	7,527.9	-175.9	-455.4	-146.5	0.19	0.12	2.76
7,575.0	3.19	241.70	7,552.9	-176.5	-456.7	-147.1	0.03	0.00	-0.60
7,600.0	3.23	240.63	7,577.8	-177.2	-457.9	-147.7	0.29	0.16	-4.28
7,625.0	3.14	239.99	7,602.8	-177.9	-459.1	-148.3	0.39	-0.36	-2.56
7,650.0	3.16	238.59	7,627.7	-178.6	-460.3	-149.0	0.32	0.08	-5.60
7,675.0	2.96	242.16	7,652.7	-179.3	-461.4	-149.5	1.10	-0.80	14.28
7,700.0	2.88	240.03	7,677.7	-179.9	-462.6	-150.1	0.54	-0.32	-8.52
7,725.0	2.69	239.38	7,702.6	-180.5	-463.6	-150.6	0.77	-0.76	-2.60
7,750.0	2.71	240.25	7,727.6	-181.1	-464.6	-151.2	0.18	0.08	3.48
7,775.0	2.55	239.11	7,752.6	-181.7	-465.6	-151.7	0.67	-0.64	-4.56
7,800.0	2.49	238.18	7,777.6	-182.2	-466.6	-152.2	0.29	-0.24	-3.72
7,825.0	2.60	238.18	7,802.5	-182.8	-467.5	-152.7	0.44	0.44	0.00
7,850.0	2.64	237.15	7,827.5	-183.4	-468.5	-153.3	0.25	0.16	-4.12
7,875.0	3.19	234.63	7,852.5	-184.1	-469.5	-153.9	2.26	2.20	-10.08

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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	3.56	240.73	7,877.4	-184.9	-470.8	-154.6	2.06	1.48	24.40
7,925.0	3.76	238.73	7,902.4	-185.7	-472.1	-155.3	0.95	0.80	-8.00
7,950.0	4.02	242.12	7,927.3	-186.6	-473.6	-156.1	1.39	1.04	13.56
7,975.0	4.55	250.17	7,952.3	-187.3	-475.3	-156.7	3.20	2.12	32.20
8,000.0	4.97	255.29	7,977.2	-187.9	-477.3	-157.2	2.39	1.68	20.48
8,025.0	5.00	256.54	8,002.1	-188.5	-479.4	-157.6	0.45	0.12	5.00
8,050.0	4.89	258.61	8,027.0	-188.9	-481.5	-157.9	0.84	-0.44	8.28
8,075.0	4.75	257.46	8,051.9	-189.4	-483.6	-158.2	0.68	-0.56	-4.60
8,100.0	4.69	259.13	8,076.8	-189.8	-485.6	-158.5	0.60	-0.24	6.68
8,125.0	4.58	258.54	8,101.7	-190.2	-487.6	-158.8	0.48	-0.44	-2.36
8,150.0	4.57	260.51	8,126.6	-190.5	-489.5	-159.0	0.63	-0.04	7.88
8,175.0	4.47	259.25	8,151.6	-190.9	-491.5	-159.2	0.56	-0.40	-5.04
8,200.0	4.09	259.24	8,176.5	-191.2	-493.3	-159.4	1.52	-1.52	-0.04
8,225.0	3.61	259.18	8,201.4	-191.5	-494.9	-159.7	1.92	-1.92	-0.24
8,250.0	3.31	259.07	8,226.4	-191.8	-496.4	-159.8	1.20	-1.20	-0.44
8,275.0	3.21	259.42	8,251.4	-192.1	-497.8	-160.0	0.41	-0.40	1.40
8,300.0	3.21	259.47	8,276.3	-192.3	-499.2	-160.2	0.01	0.00	0.20
8,325.0	3.08	263.46	8,301.3	-192.5	-500.6	-160.3	1.02	-0.52	15.96
8,350.0	2.98	262.10	8,326.2	-192.7	-501.9	-160.4	0.49	-0.40	-5.44
8,375.0	2.90	266.00	8,351.2	-192.8	-503.1	-160.4	0.86	-0.32	15.60
8,400.0	2.90	264.98	8,376.2	-192.9	-504.4	-160.5	0.21	0.00	-4.08
8,425.0	2.64	262.98	8,401.2	-193.1	-505.6	-160.5	1.11	-1.04	-8.00
8,450.0	2.57	269.13	8,426.1	-193.2	-506.7	-160.5	1.15	-0.28	24.60
8,475.0	2.57	267.07	8,451.1	-193.2	-507.9	-160.5	0.37	0.00	-8.24
8,500.0	2.59	266.08	8,476.1	-193.3	-509.0	-160.5	0.20	0.08	-3.96
8,525.0	2.48	269.78	8,501.1	-193.3	-510.1	-160.4	0.79	-0.44	14.80
8,550.0	2.10	275.60	8,526.0	-193.3	-511.1	-160.3	1.78	-1.52	23.28
8,575.0	1.82	289.59	8,551.0	-193.1	-511.9	-160.1	2.21	-1.12	55.96
8,600.0	1.65	298.54	8,576.0	-192.8	-512.6	-159.8	1.28	-0.68	35.80
8,625.0	1.23	306.79	8,601.0	-192.4	-513.1	-159.4	1.87	-1.68	33.00
8,650.0	0.89	318.13	8,626.0	-192.1	-513.5	-159.1	1.59	-1.36	45.36
8,675.0	0.85	316.63	8,651.0	-191.9	-513.7	-158.8	0.18	-0.16	-6.00
8,700.0	0.81	312.03	8,676.0	-191.6	-514.0	-158.5	0.31	-0.16	-18.40
8,725.0	0.78	310.60	8,701.0	-191.4	-514.2	-158.3	0.14	-0.12	-5.72
8,750.0	0.68	303.95	8,726.0	-191.2	-514.5	-158.0	0.52	-0.40	-26.60
8,775.0	0.64	290.56	8,751.0	-191.0	-514.8	-157.9	0.64	-0.16	-53.56
8,800.0	0.51	260.59	8,776.0	-191.0	-515.0	-157.9	1.29	-0.52	-119.88
8,825.0	0.47	238.32	8,801.0	-191.1	-515.2	-157.9	0.77	-0.16	-89.08
8,850.0	0.55	237.72	8,826.0	-191.2	-515.4	-158.0	0.32	0.32	-2.40
8,875.0	0.59	232.95	8,851.0	-191.3	-515.6	-158.1	0.25	0.16	-19.08
8,900.0	0.64	232.34	8,876.0	-191.5	-515.8	-158.3	0.20	0.20	-2.44
8,925.0	0.70	222.09	8,901.0	-191.7	-516.0	-158.5	0.54	0.24	-41.00
8,950.0	0.65	224.84	8,926.0	-191.9	-516.2	-158.7	0.24	-0.20	11.00



Intrepid
Survey Report



Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well-Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27-NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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	0.66	226.25	8,951.0	-192.1	-516.4	-158.9	0.08	0.04	5.64
9,000.0	0.60	216.11	8,976.0	-192.3	-516.6	-159.1	0.51	-0.24	-40.56
9,025.0	0.59	220.09	9,001.0	-192.5	-516.8	-159.3	0.17	-0.04	15.92
9,050.0	0.67	229.48	9,026.0	-192.7	-517.0	-159.4	0.52	0.32	37.56
9,075.0	0.72	231.09	9,051.0	-192.9	-517.2	-159.6	0.21	0.20	6.44
9,100.0	0.78	227.46	9,076.0	-193.1	-517.4	-159.8	0.31	0.24	-14.52
9,125.0	0.72	224.79	9,101.0	-193.4	-517.7	-160.0	0.28	-0.24	-10.68
9,150.0	0.66	238.19	9,126.0	-193.5	-517.9	-160.2	0.69	-0.24	53.60
9,175.0	0.75	239.48	9,151.0	-193.7	-518.2	-160.3	0.37	0.36	5.16
9,200.0	0.82	241.05	9,176.0	-193.9	-518.5	-160.5	0.29	0.28	6.28
9,225.0	0.75	240.29	9,201.0	-194.0	-518.8	-160.6	0.28	-0.28	-3.04
9,250.0	0.76	233.67	9,226.0	-194.2	-519.0	-160.8	0.35	0.04	-26.48
9,275.0	0.80	233.43	9,250.9	-194.4	-519.3	-161.0	0.16	0.16	-0.96
9,300.0	0.80	237.38	9,275.9	-194.6	-519.6	-161.2	0.22	0.00	15.80
9,325.0	0.79	237.99	9,300.9	-194.8	-519.9	-161.3	0.05	-0.04	2.44
9,350.0	0.77	242.48	9,325.9	-195.0	-520.2	-161.5	0.26	-0.08	17.96
9,375.0	0.86	237.62	9,350.9	-195.2	-520.5	-161.6	0.45	0.36	-19.44
9,400.0	0.83	239.89	9,375.9	-195.3	-520.8	-161.8	0.18	-0.12	9.08
9,425.0	0.79	234.91	9,400.9	-195.5	-521.1	-162.0	0.32	-0.16	-19.92
9,450.0	0.83	225.11	9,425.9	-195.8	-521.4	-162.2	0.58	0.16	-39.20
9,475.0	0.81	220.92	9,450.9	-196.0	-521.6	-162.4	0.25	-0.08	-16.76
9,500.0	0.81	219.80	9,475.9	-196.3	-521.8	-162.7	0.06	0.00	-4.48
9,525.0	0.91	218.09	9,500.9	-196.6	-522.1	-163.0	0.41	0.40	-6.84
9,550.0	0.95	217.06	9,525.9	-196.9	-522.3	-163.3	0.17	0.16	-4.12
9,575.0	0.87	215.55	9,550.9	-197.2	-522.6	-163.6	0.33	-0.32	-6.04
9,600.0	0.77	219.59	9,575.9	-197.5	-522.8	-163.8	0.46	-0.40	16.16
9,625.0	0.96	218.27	9,600.9	-197.8	-523.0	-164.1	0.76	0.76	-5.28
9,650.0	1.08	215.58	9,625.9	-198.2	-523.3	-164.5	0.52	0.48	-10.76
9,675.0	1.03	221.15	9,650.9	-198.5	-523.6	-164.8	0.46	-0.20	22.28
9,700.0	1.08	214.91	9,675.9	-198.9	-523.9	-165.1	0.50	0.20	-24.96
9,725.0	1.20	210.32	9,700.9	-199.3	-524.1	-165.5	0.60	0.48	-18.36
9,750.0	1.09	211.74	9,725.9	-199.7	-524.4	-166.0	0.45	-0.44	5.68
9,775.0	1.31	212.41	9,750.9	-200.2	-524.7	-166.4	0.88	0.88	2.68
9,800.0	1.34	218.37	9,775.9	-200.6	-525.0	-166.8	0.56	0.12	23.84
9,825.0	1.32	211.87	9,800.9	-201.1	-525.3	-167.3	0.61	-0.08	-26.00
9,850.0	1.33	208.84	9,825.9	-201.6	-525.6	-167.8	0.28	0.04	-12.12
9,875.0	1.21	204.78	9,850.9	-202.1	-525.9	-168.2	0.60	-0.48	-16.24
9,900.0	0.98	206.16	9,875.9	-202.5	-526.1	-168.7	0.93	-0.92	5.52
9,925.0	1.12	203.76	9,900.8	-203.0	-526.3	-169.1	0.59	0.56	-9.60
9,950.0	0.93	212.25	9,925.8	-203.4	-526.5	-169.4	0.97	-0.76	33.96
9,975.0	0.94	215.89	9,950.8	-203.7	-526.7	-169.8	0.24	0.04	14.56
10,000.0	0.91	218.25	9,975.8	-204.0	-526.9	-170.1	0.19	-0.12	9.44
10,025.0	0.86	230.75	10,000.8	-204.3	-527.2	-170.3	0.80	-0.20	50.00
10,050.0	0.93	232.46	10,025.8	-204.5	-527.5	-170.5	0.30	0.28	6.84

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	North Reference:	Grid
Wellbore:	QWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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	0.91	222.02	10,050.8	-204.8	-527.8	-170.8	0.67	-0.08	-41.76
10,100.0	1.02	241.02	10,075.8	-205.1	-528.1	-171.0	1.35	0.44	76.00
10,125.0	1.88	278.31	10,100.8	-205.1	-528.7	-171.0	4.94	3.44	149.16
10,150.0	1.23	240.74	10,125.8	-205.2	-529.4	-171.1	4.70	-2.60	-150.28
10,175.0	1.32	244.09	10,150.8	-205.4	-529.9	-171.3	0.47	0.36	13.40
10,200.0	1.31	245.17	10,175.8	-205.7	-530.4	-171.5	0.11	-0.04	4.32
Tie on to SDI Gyro									
10,277.0	2.74	263.75	10,252.7	-206.2	-533.0	-171.9	2.02	1.86	24.13
10,371.0	6.83	359.04	10,346.5	-200.9	-535.4	-166.4	8.07	4.35	101.37
10,418.0	15.48	6.61	10,392.6	-191.9	-534.7	-157.4	18.63	18.40	16.11
10,465.0	23.75	10.34	10,436.8	-176.3	-532.2	-142.1	17.79	17.60	7.94
10,511.0	30.83	7.11	10,477.7	-155.4	-529.1	-121.5	15.72	15.39	-7.02
10,558.0	36.22	5.78	10,516.8	-129.7	-526.2	-95.9	11.57	11.47	-2.83
10,605.0	38.88	5.23	10,554.1	-101.2	-523.5	-67.6	5.70	5.66	-1.17
10,652.0	41.02	4.49	10,590.1	-71.1	-520.9	-37.8	4.66	4.55	-1.57
10,699.0	45.76	3.25	10,624.3	-38.9	-518.8	-5.8	10.25	10.09	-2.64
10,746.0	46.96	2.60	10,656.7	-4.9	-517.0	28.0	2.74	2.55	-1.38
10,791.3	48.46	0.40	10,687.2	28.6	-516.2	61.4	4.89	3.32	-4.86
FTP @ 10791.3 MD, 330° FNL & 761.9° FEL									
10,793.0	48.52	0.32	10,688.3	29.9	-516.2	62.6	4.89	3.36	-4.74
10,840.0	51.56	0.82	10,718.5	65.9	-515.8	98.6	6.52	6.47	1.06
10,887.0	55.22	0.43	10,746.5	103.6	-515.4	136.2	7.82	7.79	-0.83
10,934.0	57.03	2.11	10,772.7	142.6	-514.5	175.1	4.86	3.85	3.57
10,981.0	65.10	2.70	10,795.4	183.7	-512.8	215.9	17.21	17.17	1.26
11,028.0	74.18	2.55	10,811.8	227.6	-510.8	259.7	19.32	19.32	-0.32
11,059.0	78.70	1.17	10,819.0	257.7	-509.8	289.7	15.21	14.58	-4.45
11,090.0	80.04	359.40	10,824.8	288.2	-509.6	320.1	7.08	4.32	-5.71
11,122.0	84.34	359.29	10,829.1	319.9	-510.0	351.7	13.44	13.44	-0.34
11,153.0	88.64	358.97	10,831.0	350.8	-510.5	382.6	13.91	13.87	-1.03
11,184.0	91.47	0.08	10,831.0	381.8	-510.7	413.6	9.81	9.13	3.58
11,215.0	91.84	0.30	10,830.1	412.8	-510.6	444.5	1.39	1.19	0.71
11,316.0	89.62	0.37	10,828.8	513.8	-510.0	545.2	2.20	-2.20	0.07
11,410.0	90.94	4.42	10,828.3	607.7	-506.1	638.7	4.53	1.40	4.31
11,457.0	88.67	3.77	10,828.5	654.6	-502.8	685.2	5.02	-4.83	-1.38
11,503.0	87.80	3.53	10,829.9	700.5	-499.8	730.8	1.96	-1.89	-0.52
11,550.0	87.63	1.34	10,831.8	747.4	-497.8	777.5	4.67	-0.36	-4.66
11,597.0	88.14	1.33	10,833.5	794.3	-496.7	824.3	1.09	1.09	-0.02
11,644.0	87.60	0.44	10,835.3	841.3	-496.0	871.2	2.21	-1.15	-1.89
11,691.0	88.50	1.34	10,836.9	888.3	-495.3	918.0	2.71	1.91	1.91
11,784.0	86.34	359.35	10,841.0	981.2	-494.7	1,010.6	3.16	-2.32	-2.14
11,879.0	87.13	357.64	10,846.5	1,076.0	-497.2	1,105.4	1.98	0.83	-1.80
11,973.0	91.83	0.15	10,847.3	1,169.9	-499.0	1,199.3	5.67	5.00	2.67
12,067.0	89.23	359.15	10,846.4	1,263.9	-499.6	1,293.1	2.96	-2.77	-1.06

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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)
12,161.0	92.00	2.95	10,845.4	1,357.8	-497.9	1,386.8	5.00	2.95	4.04
12,255.0	81.21	356.72	10,851.0	1,451.5	-498.1	1,480.3	13.24	-11.48	-6.63
12,348.0	87.66	355.59	10,860.0	1,543.8	-504.3	1,572.8	7.04	6.94	-1.22
12,442.0	90.52	356.99	10,861.5	1,637.6	-510.4	1,666.7	3.39	3.04	1.49
12,536.0	91.36	356.33	10,860.0	1,731.4	-515.9	1,760.7	1.14	0.89	-0.70
12,630.0	92.62	358.43	10,856.7	1,825.2	-520.2	1,854.6	2.60	1.34	2.23
12,723.0	92.59	359.36	10,852.5	1,918.1	-522.0	1,947.5	1.00	-0.03	1.00
12,817.0	92.20	7.12	10,848.5	2,011.8	-516.7	2,040.6	8.26	-0.41	8.26
12,911.0	89.17	5.62	10,847.4	2,105.2	-506.2	2,133.2	3.60	-3.22	-1.60
13,005.0	90.27	357.55	10,847.9	2,199.1	-503.6	2,226.7	8.66	1.17	-8.59
13,099.0	91.11	352.82	10,846.7	2,292.7	-511.5	2,320.6	5.11	0.89	-5.03
13,173.0	90.13	357.06	10,845.9	2,366.4	-518.1	2,394.6	5.88	-1.32	5.73
13,267.0	88.73	357.01	10,846.9	2,460.3	-522.9	2,488.6	1.49	-1.49	-0.05
13,361.0	88.02	359.43	10,849.5	2,554.2	-525.8	2,582.5	2.68	-0.76	2.57
13,455.0	89.23	0.46	10,851.8	2,648.2	-525.9	2,676.3	1.69	1.29	1.10
13,549.0	91.02	3.86	10,851.6	2,742.1	-522.4	2,769.8	4.09	1.90	3.62
13,642.0	91.27	3.65	10,849.7	2,834.9	-516.3	2,862.0	0.35	0.27	-0.23
13,736.0	91.75	1.83	10,847.2	2,928.7	-511.8	2,955.4	2.00	0.51	-1.94
13,830.0	87.27	359.00	10,848.1	3,022.7	-511.1	3,049.1	5.64	-4.77	-3.01
13,925.0	88.81	3.50	10,851.3	3,117.6	-509.1	3,143.7	5.00	1.62	4.74
14,019.0	91.50	6.04	10,851.0	3,211.2	-501.2	3,236.6	3.94	2.86	2.70
14,113.0	89.23	0.28	10,850.4	3,305.1	-496.1	3,329.9	6.59	-2.41	-6.13
14,207.0	90.10	359.40	10,851.0	3,399.0	-496.3	3,423.7	1.32	0.93	-0.94
14,301.0	85.44	359.53	10,854.7	3,492.9	-497.2	3,517.5	4.96	-4.96	0.14
14,395.0	86.93	358.41	10,860.9	3,586.7	-498.9	3,611.2	1.98	1.59	-1.19
14,489.0	89.37	1.72	10,863.9	3,680.6	-498.8	3,704.9	4.37	2.60	3.52
14,583.0	89.01	4.44	10,865.3	3,774.5	-493.7	3,798.3	2.92	-0.38	2.89
14,676.0	87.77	3.21	10,867.9	3,867.2	-487.5	3,890.4	1.88	-1.33	-1.32
14,767.0	87.18	0.64	10,871.9	3,958.1	-484.5	3,980.9	2.89	-0.65	-2.82
14,863.0	89.68	0.56	10,874.5	4,054.1	-483.5	4,076.6	2.61	2.60	-0.08
14,958.0	92.34	359.55	10,872.9	4,149.0	-483.4	4,171.4	2.99	2.80	-1.06
15,052.0	91.81	359.39	10,869.4	4,243.0	-484.2	4,265.2	0.59	-0.56	-0.17
15,146.0	88.78	359.14	10,869.0	4,336.9	-485.5	4,359.0	3.23	-3.22	-0.27
15,240.0	90.43	0.62	10,869.6	4,430.9	-485.6	4,452.9	2.36	1.76	1.57
15,334.0	86.12	358.01	10,872.4	4,524.9	-486.8	4,546.7	5.36	-4.59	-2.78
15,428.0	89.31	357.55	10,876.2	4,618.7	-490.4	4,640.5	3.43	3.39	-0.49
15,522.0	91.22	358.35	10,875.8	4,712.6	-493.8	4,734.5	2.20	2.03	0.85
15,616.0	92.90	1.92	10,872.4	4,806.5	-493.5	4,828.2	4.20	1.79	3.80
15,710.0	89.68	2.69	10,870.3	4,900.4	-489.8	4,921.7	3.52	-3.43	0.82
15,804.0	88.05	2.06	10,872.1	4,994.3	-485.9	5,015.1	1.86	-1.73	-0.67
15,898.0	91.27	4.29	10,872.7	5,088.2	-480.7	5,108.4	4.17	3.43	2.37
15,993.0	87.83	1.39	10,873.4	5,183.0	-476.0	5,202.8	4.74	-3.62	-3.05
16,087.0	89.40	4.42	10,875.7	5,276.9	-471.2	5,296.2	3.63	1.67	3.22
16,181.0	90.13	6.30	10,876.1	5,370.4	-462.4	5,389.0	2.15	0.78	2.00

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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)
16,275.0	86.73	2.21	10,878.7	5,464.1	-455.4	5,482.0	5.66	-3.62	-4.35
16,369.0	87.94	0.87	10,883.0	5,558.0	-452.9	5,575.5	1.92	1.29	-1.43
16,463.0	91.22	2.07	10,883.7	5,651.9	-450.5	5,669.1	3.72	3.49	1.28
16,557.0	89.06	359.78	10,883.5	5,745.9	-449.0	5,762.8	3.35	-2.30	-2.44
16,650.0	89.82	1.01	10,884.4	5,838.9	-448.4	5,855.6	1.55	0.82	1.32
16,744.0	90.27	1.01	10,884.3	5,932.9	-446.7	5,949.3	0.48	0.48	0.00
16,838.0	88.50	358.71	10,885.3	6,026.9	-446.9	6,043.1	3.09	-1.88	-2.45
16,933.0	88.70	358.91	10,887.7	6,121.8	-448.9	6,138.0	0.30	0.21	0.21
17,026.0	89.03	359.31	10,889.5	6,214.8	-450.3	6,230.8	0.56	0.35	0.43
17,120.0	90.35	358.98	10,890.0	6,308.8	-451.7	6,324.7	1.45	1.40	-0.35
17,214.0	91.89	359.30	10,888.2	6,402.7	-453.2	6,418.6	1.67	1.64	0.34
17,308.0	88.89	355.04	10,887.5	6,496.6	-457.8	6,512.6	5.54	-3.19	-4.53
17,402.0	90.74	356.26	10,887.8	6,590.3	-464.9	6,606.5	2.36	1.97	1.30
17,496.0	89.68	354.47	10,887.5	6,684.0	-472.5	6,700.5	2.21	-1.13	-1.90
17,589.0	86.40	350.11	10,890.7	6,776.1	-485.0	6,793.2	5.86	-3.53	-4.69
17,683.0	89.48	352.42	10,894.0	6,868.9	-499.2	6,886.8	4.09	3.28	2.46
17,777.0	90.04	353.22	10,894.4	6,962.2	-511.0	6,980.6	1.04	0.60	0.85
17,827.7	90.64	353.94	10,894.1	7,012.5	-516.7	7,031.2	1.85	1.19	1.41
LTP @ 17827.7' MD, 330' FNL & 867' FEL									
17,871.0	91.16	354.55	10,893.5	7,055.6	-521.0	7,074.5	1.85	1.19	1.42
17,887.0	92.00	355.51	10,893.0	7,071.6	-522.4	7,090.5	7.97	5.25	6.00
LAST SVY									
17,951.0	92.00	355.51	10,890.8	7,135.3	-527.4	7,154.4	0.00	0.00	0.00
Projection to TD @ 17951' MD, 207' FNL & 880' FEL									

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
FTP (Littlefield 33 Fed	- actual wellpath misses target center by 118.1usft at 10881.3usft MD (10743.2 TVD, 98.9 N, -515.4 E)	0.00	0.00	10,838.0	28.6	-520.1	364,220.72	605,925.33	32° 0' 3.226 N 103° 59' 29.870 W
- Point									
6000'VS (Littlefield 33	- actual wellpath misses target center by 21.9usft at 16793.6usft MD (10884.5 TVD, 5982.4 N, -446.3 E)	-0.43	0.53	10,875.0	5,982.5	-466.1	370,174.64	605,979.34	32° 1' 2.148 N 103° 59' 29.024 W
- Rectangle (sides W60.0 H1,458.3 D20.0)									
LTP (Littlefield 33 Fed	- actual wellpath misses target center by 59.8usft at 17820.4usft MD (10894.2 TVD, 7005.3 N, -515.9 E)	0.00	0.00	10,890.0	7,011.9	-456.6	371,204.05	605,988.85	32° 1' 12.335 N 103° 59' 28.875 W
- Point									
PBHL (Littlefield 33 Fed	- actual wellpath misses target center by 72.3usft at 17951.0usft MD (10890.8 TVD, 7135.3 N, -527.4 E)	0.77	0.53	10,890.0	7,141.9	-455.4	371,334.05	605,990.01	32° 1' 13.621 N 103° 59' 28.857 W
- Rectangle (sides W60.0 H1,159.6 D20.0)									

Company:	Concho Resources, Inc.	Local Co-ordinate Reference:	Well Littlefield 33 Fed Com #806H
Project:	Eddy County (NAD27 NME)	TVD Reference:	KB @ 2891.5usft (Precision 106)
Site:	(Littlefield 33 Fed Com) Sec-33_T-26-S_R-29-E	MD Reference:	KB @ 2891.5usft (Precision 106)
Well:	Littlefield 33 Fed Com #806H	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 (°)
483.2	483.0	Rustler			
636.3	636.0	TOS			
2,638.6	2,637.0	BOS (Fletcher)			
2,823.9	2,822.0	LMAR (Top Delaware)			
2,857.0	2,855.0	BLCN			
3,738.0	3,732.0	CYCN			
5,016.7	5,001.0	BYCN			
6,534.5	6,514.0	Bone Sprg (BSGL)			
6,734.0	6,713.0	U Avalon Sh			
7,131.6	7,110.0	L Avalon Sh			
7,453.0	7,431.0	FBSG_sand			
8,183.5	8,160.0	SBSG_sand			
8,604.0	8,580.0	SBSG_sand base			
9,319.1	9,295.0	TBSG_sand			
9,688.1	9,664.0	WFMP			
10,157.2	10,133.0	WFMP B			
10,454.4	10,427.0	WFMP C			
10,882.6	10,744.0	WFMP D			

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
10,200.0	10,175.8	-205.7	-530.4	Tie on to SDI Gyro	
10,791.3	10,687.2	28.6	-516.2	FTP @ 10791.3'MD, 330'FNL & 761.9'FEL	
17,827.7	10,894.1	7,012.5	-516.7	LTP @ 17827.7'MD, 330'FNL & 867'FEL	
17,887.0	10,893.0	7,071.6	-522.4	LAST SVY	
17,951.0	10,890.8	7,135.3	-527.4	Projection to TD @ 17951'MD, 207'FNL & 880'FEL	

Checked By: _____ Approved By: _____ Date: _____