

* * * N A U T I C A L (V e r s i o n 3 . 1) * * *

Well: Bone Flats Fed "12" No. 3 (1998 Lateral 1)

Target Azimuth: 101.15

Closure Direction: 104

Target TVD: 7893

Measured Depth (ft)	Inclination (deg.)	Azimuth (deg.)	True Vertical Depth (ft)	Vertical Section (ft)	North/ South (ft)	East/ West (ft)	Closure (ft)	Build Rate (deg/ft)	Walk Rate (deg/ft)	Dogleg Severity (d/100')	Tool Face (deg)
7,700.00	2.04	81.29	7,697.26	71.19	-58.08	61.12	<==== Tie-in Data				
7,805.00	6.90	78.50	7,801.92	78.82	-56.64	69.18	89.41	0.046	-0.027	4.6	GYRO
7,815.00	12.00	80.20	7,811.78	80.35	-56.34	70.79	90.47	0.510	0.170	51.1	GYRO
7,837.00	24.10	89.40	7,832.66	86.89	-55.72	77.58	95.52	0.550	0.418	56.3	20 R
7,854.00	34.50	94.90	7,847.46	95.11	-56.04	85.89	102.55	0.612	0.324	63.1	20 R
7,869.00	43.90	101.80	7,859.08	104.58	-57.41	95.27	111.23	0.627	0.460	69.0	20 R
7,885.00	54.20	109.00	7,869.55	116.63	-60.62	106.92	122.91	0.644	0.450	72.7	30 R
7,900.00	63.40	108.80	7,877.31	129.34	-64.78	119.06	135.54	0.613	-0.013	61.3	30 R
7,917.00	74.80	105.70	7,883.37	145.13	-69.49	134.23	151.15	0.671	-0.182	69.2	35 L
7,931.00	85.80	103.80	7,885.72	158.90	-73.00	147.57	164.64	0.786	-0.136	79.7	35 L
7,951.00	99.60	102.40	7,884.78	178.87	-77.53	167.03	184.15	0.690	-0.070	69.4	45 L
7,967.00	101.70	103.50	7,881.83	194.59	-81.05	182.36	199.56	0.131	0.069	14.8	45 R
7,998.00	105.30	104.40	7,874.59	224.70	-88.32	211.61	229.30	0.116	0.029	12.0	45 R
8,030.00	105.40	104.00	7,866.12	255.51	-95.89	241.53	259.86	0.003	-0.013	1.2	65 L
8,061.00	105.40	103.50	7,857.89	285.37	-102.99	270.56	289.50	0.000	-0.016	1.6	Rot
8,092.00	104.20	102.70	7,849.97	315.32	-109.79	299.75	319.22	-0.039	-0.026	4.6	150 L
8,123.00	99.30	101.80	7,843.66	345.67	-116.22	329.41	349.31	-0.158	-0.029	16.1	150 L
8,154.00	95.40	102.10	7,839.69	376.41	-122.59	359.49	379.81	-0.126	0.010	12.6	150 R
8,184.00	91.30	101.10	7,837.94	406.36	-128.61	388.82	409.54	-0.137	-0.033	14.1	150 L
8,216.00	90.10	101.20	7,837.55	438.35	-134.80	420.22	441.31	-0.038	0.003	3.8	Rot
8,248.00	89.00	101.60	7,837.80	470.35	-141.13	451.58	473.12	-0.034	0.012	3.7	180
8,280.00	89.10	101.60	7,838.33	502.35	-147.56	482.93	504.97	0.003	0.000	0.3	Rot
8,312.00	88.90	102.20	7,838.89	534.34	-154.16	514.23	536.84	-0.006	0.019	2.0	Rot
8,344.00	90.10	102.50	7,839.17	566.33	-161.00	545.49	568.76	0.037	0.009	3.9	15L R
8,375.00	91.50	103.40	7,838.73	597.31	-167.95	575.70	599.70	0.045	0.029	5.4	Rot
8,407.00	91.10	103.90	7,838.01	629.27	-175.50	606.79	631.66	-0.013	0.016	2.0	Rot
8,438.00	90.70	103.50	7,837.52	660.24	-182.84	636.90	662.63	-0.013	-0.013	1.8	Rot
8,470.00	90.70	103.30	7,837.13	692.21	-190.25	668.03	694.59	0.000	-0.006	0.6	Rot
8,501.00	90.80	103.00	7,836.72	723.19	-197.31	698.21	725.56	0.003	-0.010	1.0	Rot
8,565.00	91.20	103.00	7,835.61	787.15	-211.70	760.57	789.48	0.006	0.000	0.6	Rot
8,628.00	91.50	103.20	7,834.12	850.09	-225.97	821.91	852.41	0.005	0.003	0.6	Rot
8,690.00	94.10	102.20	7,831.09	912.00	-239.59	882.32	914.27	0.042	-0.016	4.5	Rot
8,722.00	90.80	101.90	7,829.73	943.96	-246.26	913.59	946.19	-0.103	-0.009	10.4	150 L
8,754.00	90.10	102.20	7,829.47	975.96	-252.94	944.88	978.15	-0.022	0.009	2.4	Rot
8,786.00	90.80	101.90	7,829.22	1,007.95	-259.62	976.17	1,010.11	0.022	-0.009	2.4	Rot
8,817.00	92.10	102.00	7,828.44	1,038.94	-266.04	1,006.49	1,041.06	0.042	0.003	4.2	15 L
8,849.00	96.20	101.20	7,826.12	1,070.86	-272.46	1,037.76	1,072.93	0.128	-0.025	13.1	0
8,880.00	101.00	100.70	7,821.49	1,101.51	-278.28	1,067.85	1,103.51	0.155	-0.016	15.6	0
8,911.00	105.20	100.30	7,814.46	1,131.70	-283.78	1,097.54	1,133.63	0.135	-0.013	13.6	0
8,943.00	109.30	100.30	7,804.97	1,162.26	-289.25	1,127.61	1,164.11	0.128	0.000	12.8	0
8,984.00	114.70	100.30	7,789.62	1,200.27	-296.04	1,165.01	1,202.03	0.132	0.000	13.2	Proj