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MAR 14 2024



Company: Jay Bee Oil & Gas Job Number: 72788 Calculation Method: Minimum Curvature
 Well: Maddie Mae 5H Magnetic Declination: -7.614 Proposed Azimuth: 311.99
 Location: Tyler Co., WV WV Department of Environmental Protection Grid Correction: -0.833 Depth Ref: RKB 1056.40 ft Plan # 8
 Rig: Precision 823 Total Correction: -6.781 Field: Appalachian
 API No: 47-095-02846-0000 North reference: Grid Location Lat/Long: 39.4378269, -80.8060811
 Start Date: 08/02/23 Start Depth: 385 End Date: 08/21/23 End Depth: 15521

Survey Tool Type	Bit Depth (ft)	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Local Coordinates (+N/-S) (ft)	Local Coordinates (+E/-W) (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	RUN #
TIP	385.40	385.40	1.06	136.76	S 43.2 E	0	385.38	1.63	0.37	-1.85	0	0	0	0	0	0
1st Svy	520	443	1.89	165.95	S 14.1 E	58	442.96	0.30	-0.94	-1.25	1.57	233.17	1.90	1.44	50.68	1
Velocity	565	488	2.21	163.73	S 16.3 E	45	487.93	-1.05	-2.49	-0.83	2.63	198.44	0.73	0.71	-4.93	1
Velocity	610	533	2.37	172.83	S 7.2 E	45	532.90	-2.49	-4.25	-0.47	4.27	186.34	0.88	0.36	20.22	1
Velocity	655	578	2.15	194.35	S 14.4 W	45	577.86	-3.59	-5.99	-0.57	6.02	185.39	1.94	-0.49	47.82	1
Velocity	699	622	2.19	213.34	S 33.3 W	44	621.83	-4.10	-7.49	-1.23	7.59	189.34	1.63	0.09	43.16	1
Velocity	744	667	2.57	228.83	S 48.8 W	45	666.79	-4.11	-8.87	-2.46	9.21	195.52	1.65	0.84	34.42	1
Velocity	789	712	3.08	241.28	S 61.3 W	45	711.74	-3.59	-10.12	-4.28	10.99	202.94	1.77	1.13	27.67	1
Velocity	834	757	3.59	255.73	S 75.7 W	45	756.66	-2.40	-11.05	-6.71	12.92	211.27	2.18	1.13	32.11	1
Velocity	878	801	3.64	274.97	N 85.0 W	44	800.58	-0.52	-11.27	-9.44	14.70	219.95	2.75	0.11	43.73	1
Velocity	923	846	3.30	293.51	N 66.5 W	45	845.50	1.85	-10.63	-12.05	16.06	228.59	2.59	-0.76	41.20	1
Velocity	968	891	3.52	300.36	N 59.6 W	45	890.42	4.43	-9.41	-14.43	17.22	236.88	1.03	0.49	15.22	1
Velocity	1012	935	3.67	303.01	N 57.0 W	44	934.33	7.14	-7.96	-16.77	18.57	244.61	0.51	0.34	6.02	1
Velocity	1057	980	3.42	293.58	N 66.4 W	45	979.24	9.84	-6.64	-19.21	20.33	250.94	1.41	-0.56	-20.96	1
Velocity	1102	1025	3.07	278.71	N 81.3 W	45	1024.17	12.12	-5.92	-21.63	22.43	254.70	2.02	-0.78	-33.04	1
Velocity	1146	1069	2.72	266.69	S 86.7 W	44	1068.12	13.84	-5.80	-23.84	24.53	256.32	1.59	-0.80	-27.32	1
Velocity	1191	1114	2.05	245.34	S 65.3 W	45	1113.08	14.91	-6.20	-25.64	26.38	256.41	2.45	-1.49	-47.44	1
Velocity	1236	1159	2.04	232.18	S 52.2 W	45	1158.05	15.37	-7.03	-27.00	27.90	255.41	1.04	-0.02	-29.24	1
Velocity	1281	1204	2.42	228.70	S 48.7 W	45	1203.02	15.62	-8.14	-28.35	29.49	253.97	0.90	0.84	-7.73	1
Velocity	1325	1248	2.83	235.37	S 55.4 W	44	1246.97	15.98	-9.37	-29.94	31.37	252.61	1.16	0.93	15.16	1
Velocity	1370	1293	3.51	240.06	S 60.1 W	45	1291.90	16.67	-10.69	-32.05	33.78	251.55	1.62	1.51	10.42	1
Velocity	1415	1338	4.38	242.69	S 62.7 W	45	1336.79	17.70	-12.17	-34.77	36.84	250.71	1.97	1.93	5.84	1
Velocity	1459	1382	5.24	241.10	S 61.1 W	44	1380.64	18.95	-13.91	-38.02	40.48	249.90	1.98	1.95	-3.61	1
Velocity	1504	1427	5.36	238.74	S 58.7 W	45	1425.45	20.23	-15.99	-41.61	44.58	248.98	0.55	0.27	-5.24	1
Velocity	1548	1471	5.69	237.34	S 57.3 W	44	1469.24	21.40	-18.24	-45.21	48.75	248.03	0.81	0.75	-3.18	1
Velocity	1593	1516	5.52	232.00	S 52.0 W	45	1514.03	22.37	-20.77	-48.79	53.03	246.94	1.22	-0.38	-11.87	1
Velocity	1638	1561	5.62	226.44	S 46.4 W	45	1558.81	22.91	-23.63	-52.09	57.20	245.60	1.22	0.22	-12.36	1
Velocity	1683	1606	4.57	225.78	S 45.8 W	45	1603.64	23.20	-26.39	-54.98	60.98	244.35	2.34	-2.33	-1.47	1
Velocity	1727	1650	4.03	224.78	S 44.8 W	44	1647.51	23.39	-28.71	-57.32	64.11	243.39	1.24	-1.23	-2.27	1
Velocity	1772	1695	3.86	224.41	S 44.4 W	45	1692.41	23.54	-30.92	-59.49	67.05	242.54	0.38	-0.38	-0.82	1
Velocity	1817	1740	4.02	222.14	S 42.1 W	45	1737.30	23.60	-33.17	-61.61	69.97	241.70	0.50	0.36	-5.04	1
Velocity	1862	1785	3.75	224.58	S 44.6 W	45	1782.20	23.67	-35.39	-63.70	72.87	240.95	0.70	-0.60	5.42	1
Velocity	1906	1829	3.82	228.14	S 48.1 W	44	1826.10	23.90	-37.39	-65.81	75.69	240.39	0.56	0.16	8.09	1

Velocity	1953	1876	3.77	224.82	S 44.8 W	47	1873.00	24.14	-39.53	-68.06	78.71	239.85	0.48	-0.11	-7.06	1
Velocity	1998	1921	3.70	222.14	S 42.1 W	45	1917.90	24.22	-41.66	-70.08	81.52	239.27	0.42	-0.16	-5.96	1
Velocity	2043	1966	4.68	224.01	S 44.0 W	45	1962.78	24.29	-44.05	-72.33	84.69	238.65	2.20	2.18	4.16	1
Velocity	2087	2010	5.46	222.99	S 43.0 W	44	2006.61	24.38	-46.88	-75.00	88.45	237.99	1.78	1.77	-2.32	1
Velocity	2132	2055	5.96	223.40	S 43.4 W	45	2051.38	24.48	-50.14	-78.07	92.78	237.29	1.11	1.11	0.91	1
Velocity	2177	2100	5.47	230.31	S 50.3 W	45	2096.16	24.85	-53.21	-81.32	97.18	236.80	1.88	-1.09	15.36	1
Velocity	2222	2145	5.27	236.14	S 56.1 W	45	2140.96	25.66	-55.73	-84.69	101.38	236.65	1.29	-0.44	12.96	1
Velocity	2266	2189	4.96	235.10	S 55.1 W	44	2184.79	26.59	-57.94	-87.93	105.30	236.62	0.74	-0.70	-2.36	1
Velocity	2311	2234	4.93	228.06	S 48.1 W	45	2229.62	27.23	-60.35	-90.96	109.16	236.44	1.35	-0.07	-15.64	1
Velocity	2390	2322	5.96	225.65	S 45.7 W	88	2317.22	27.93	-66.07	-97.04	117.40	235.75	1.20	1.17	-2.74	2
Velocity	2435	2367	5.62	221.91	S 41.9 W	45	2361.99	28.07	-69.34	-100.18	121.84	235.31	1.13	-0.76	-8.31	2
Velocity	2479	2411	5.54	221.08	S 41.1 W	44	2405.79	28.04	-72.55	-103.02	126.00	234.85	0.26	-0.18	-1.89	2
Velocity	2524	2456	6.28	245.16	S 65.2 W	45	2450.55	28.97	-75.22	-106.68	130.53	234.81	5.70	1.64	53.51	2
Velocity	2614	2546	6.07	238.29	S 58.3 W	90	2540.03	32.24	-79.79	-115.19	140.13	235.29	0.85	-0.23	-7.63	2
Velocity	2703	2635	6.17	236.84	S 56.8 W	89	2628.52	34.79	-84.88	-123.20	149.61	235.44	0.21	0.11	-1.63	2
Velocity	2793	2725	8.61	245.38	S 65.4 W	90	2717.77	38.70	-90.33	-133.38	161.09	235.89	2.97	2.71	9.49	2
Velocity	2882	2814	12.49	247.87	S 67.9 W	89	2805.25	45.55	-96.73	-148.35	177.11	236.89	4.39	4.36	2.80	2
Velocity	2972	2904	11.78	244.73	S 64.7 W	90	2893.24	53.35	-104.32	-165.68	195.79	237.80	1.08	-0.79	-3.49	2
Velocity	3061	2993	11.32	235.90	S 55.9 W	89	2980.45	58.96	-113.10	-181.13	213.54	238.02	2.05	-0.52	-9.92	2
Velocity	3151	3083	10.57	232.41	S 52.4 W	90	3068.81	62.58	-123.09	-194.98	230.58	237.74	1.11	-0.83	-3.88	2
Velocity	3240	3172	11.50	230.50	S 50.5 W	89	3156.16	65.37	-133.71	-208.30	247.52	237.30	1.12	1.04	-2.15	2
Velocity	3330	3262	11.00	226.19	S 46.2 W	90	3244.43	67.32	-145.36	-221.42	264.87	236.72	1.09	-0.56	-4.79	2
Velocity	3419	3351	11.68	228.93	S 48.9 W	89	3331.70	69.04	-157.16	-234.34	282.15	236.15	0.97	0.76	3.08	2
Velocity	3508	3440	11.71	224.86	S 44.9 W	89	3418.85	70.58	-169.48	-247.50	299.96	235.60	0.93	0.03	-4.57	2
Velocity	3598	3530	11.04	226.58	S 46.6 W	90	3507.08	71.72	-181.87	-260.20	317.46	235.05	0.83	-0.74	1.91	2
Velocity	3687	3619	10.94	230.16	S 50.2 W	89	3594.45	73.60	-193.14	-272.87	334.31	234.71	0.77	-0.11	4.02	2
Velocity	3777	3709	10.97	236.74	S 56.7 W	90	3682.82	77.00	-203.31	-286.59	351.38	234.65	1.39	0.03	7.31	2
Velocity	3868	3800	10.64	234.07	S 54.1 W	91	3772.20	80.96	-212.99	-300.64	368.44	234.68	0.66	-0.36	-2.93	2
Velocity	3958	3890	9.98	230.92	S 50.9 W	90	3860.75	83.91	-222.78	-313.42	384.53	234.59	0.96	-0.73	-3.50	2
Velocity	4047	3979	9.75	234.83	S 54.8 W	89	3948.43	86.78	-231.98	-325.56	399.76	234.53	0.80	-0.26	4.39	2
Velocity	4136	4068	10.00	238.83	S 58.8 W	89	4036.12	90.70	-240.32	-338.34	415.00	234.61	0.82	0.28	4.49	2
Velocity	4226	4158	10.66	234.95	S 55.0 W	90	4124.66	94.83	-249.15	-351.84	431.12	234.70	1.07	0.73	-4.31	2
Velocity	4315	4247	11.40	231.07	S 51.1 W	89	4212.02	98.06	-259.40	-365.42	448.13	234.63	1.18	0.83	-4.36	2
Velocity	4405	4337	10.46	226.48	S 46.5 W	90	4300.38	100.10	-270.62	-378.26	465.10	234.42	1.42	-1.04	-5.10	2
Velocity	4494	4426	11.25	229.04	S 49.0 W	89	4387.79	101.80	-281.87	-390.68	481.75	234.19	1.04	0.89	2.88	2
Velocity	4584	4516	11.74	232.76	S 52.8 W	90	4475.99	104.59	-293.17	-404.60	499.65	234.07	0.99	0.54	4.13	2
Velocity	4673	4605	11.52	236.54	S 56.5 W	89	4563.16	108.52	-303.55	-419.22	517.58	234.09	0.89	-0.25	4.25	2
Velocity	4763	4695	12.07	238.55	S 58.6 W	90	4651.26	113.46	-313.41	-434.75	535.94	234.21	0.76	0.61	2.23	2
Velocity	4852	4784	12.26	241.86	S 61.9 W	89	4738.26	119.32	-322.72	-451.02	554.59	234.41	0.81	0.21	3.72	2
Velocity	4986	4918	10.86	237.35	S 57.4 W	134	4869.54	127.50	-336.25	-474.19	581.31	234.66	1.24	-1.04	-3.37	2
Velocity	5076	5008	10.77	235.82	S 55.8 W	90	4957.95	131.76	-345.54	-488.29	598.19	234.71	0.33	-0.10	-1.70	2
Velocity	5165	5097	10.45	237.96	S 58.0 W	89	5045.42	135.96	-354.50	-502.01	614.56	234.77	0.57	-0.36	2.40	2
Velocity	5255	5187	10.99	236.49	S 56.5 W	90	5133.85	140.36	-363.56	-516.08	631.28	234.84	0.67	0.60	-1.63	2

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 MAR 14 2024
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Velocity	5344	5276	11.23	234.00	S 54.0 W	89	5221.19	144.29	-373.34	-530.17	648.43	234.85	0.60	0.27	-2.80	2
Velocity	5434	5366	10.73	236.12	S 56.1 W	90	5309.54	148.15	-383.16	-544.21	665.57	234.85	0.71	-0.56	2.36	2
Velocity	5523	5455	10.91	238.47	S 58.5 W	89	5396.96	152.57	-392.19	-558.27	682.26	234.91	0.54	0.20	2.64	2
Velocity	5613	5545	11.30	235.83	S 55.8 W	90	5485.27	157.09	-401.59	-572.82	699.57	234.97	0.71	0.43	-2.93	2
Velocity	5702	5634	10.81	233.31	S 53.3 W	89	5572.62	160.82	-411.48	-586.73	716.64	234.96	0.77	-0.55	-2.83	2
Velocity	5770	5703	10.71	233.15	S 53.2 W	69	5640.41	163.33	-419.19	-597.05	729.51	234.93	0.15	-0.14	-0.23	3
Velocity	5815	5748	10.68	232.37	S 52.4 W	45	5684.63	164.89	-424.24	-603.70	737.86	234.90	0.33	-0.07	-1.73	3
Velocity	5859	5792	10.53	229.87	S 49.9 W	44	5727.87	166.17	-429.32	-610.00	745.93	234.86	1.10	-0.34	-5.68	3
Velocity	5904	5837	10.70	229.83	S 49.8 W	45	5772.10	167.31	-434.67	-616.34	754.19	234.81	0.38	0.38	-0.09	3
Velocity	5949	5882	11.20	231.30	S 51.3 W	45	5816.28	168.58	-440.09	-622.94	762.72	234.76	1.27	1.11	3.27	3
Velocity	5994	5927	10.96	230.34	S 50.3 W	45	5860.45	169.91	-445.56	-629.64	771.34	234.72	0.67	-0.53	-2.13	3
Velocity	6038	5971	10.25	228.50	S 48.5 W	44	5903.69	170.96	-450.82	-635.80	779.41	234.66	1.79	-1.61	-4.18	3
Velocity	6083	6016	9.71	226.72	S 46.7 W	45	5948.01	171.73	-456.08	-641.56	787.15	234.59	1.38	-1.20	-3.96	3
Velocity	6128	6061	9.97	230.20	S 50.2 W	45	5992.35	172.60	-461.17	-647.31	794.79	234.53	1.44	0.58	7.73	3
Velocity	6172	6105	9.83	228.37	S 48.4 W	44	6035.70	173.56	-466.10	-653.05	802.32	234.48	0.78	-0.32	-4.16	3
Velocity	6217	6150	10.65	240.75	S 60.8 W	45	6079.98	175.32	-470.69	-659.55	810.28	234.49	5.21	1.82	27.51	3
Velocity	6262	6195	11.78	251.82	S 71.8 W	45	6124.13	178.95	-474.15	-667.54	818.80	234.61	5.39	2.51	24.60	3
Velocity	6307	6240	14.69	262.49	S 82.5 W	45	6167.94	184.94	-476.33	-677.56	828.24	234.89	8.42	6.47	23.71	3
Velocity	6351	6284	17.46	270.15	N 89.9 W	44	6210.22	193.48	-477.05	-689.70	838.61	235.33	7.92	6.30	17.41	3
Velocity	6396	6329	21.21	274.13	N 85.9 W	45	6252.67	204.94	-476.44	-704.58	850.54	235.93	8.83	8.33	8.84	3
Velocity	6441	6374	24.22	277.59	N 82.4 W	45	6294.18	218.99	-474.64	-721.85	863.91	236.67	7.32	6.69	7.69	3
Velocity	6486	6419	27.83	281.81	N 78.2 W	45	6334.61	235.69	-471.27	-741.29	878.41	237.55	9.01	8.02	9.38	3
Velocity	6530	6463	31.33	283.22	N 76.8 W	44	6372.87	254.61	-466.55	-762.49	893.90	238.54	8.11	7.95	3.20	3
Velocity	6575	6508	35.10	284.43	N 75.6 W	45	6410.52	276.34	-460.64	-786.41	911.39	239.64	8.51	8.38	2.69	3
Velocity	6620	6553	38.93	285.07	N 74.9 W	45	6446.44	300.42	-453.74	-812.60	930.70	240.82	8.55	8.51	1.42	3
Velocity	6665	6598	42.74	286.02	N 74.0 W	45	6480.48	326.77	-445.85	-840.94	951.82	242.07	8.58	8.47	2.11	3
Velocity	6709	6642	46.66	288.32	N 71.7 W	44	6511.75	354.86	-436.69	-870.50	973.89	243.36	9.64	8.91	5.23	3
Velocity	6754	6687	50.73	290.54	N 69.5 W	45	6541.45	386.07	-425.43	-902.36	997.62	244.76	9.77	9.04	4.93	3
Velocity	6799	6732	54.07	292.76	N 67.2 W	45	6568.91	419.50	-412.27	-935.48	1022.30	246.22	8.39	7.42	4.93	3
Velocity	6843	6776	57.42	295.38	N 64.6 W	44	6593.67	454.10	-397.43	-968.67	1047.03	247.69	9.06	7.61	5.95	3
Velocity	6888	6821	61.69	297.61	N 62.4 W	45	6616.47	491.48	-380.11	-1003.38	1072.96	249.25	10.41	9.49	4.96	3
Velocity	6933	6866	65.83	299.62	N 60.4 W	45	6636.36	530.74	-360.77	-1038.79	1099.66	250.85	10.03	9.20	4.47	3
Velocity	6977	6910	69.84	300.39	N 59.6 W	44	6652.96	570.59	-340.40	-1074.07	1126.72	252.42	9.26	9.11	1.75	3
Velocity	7022	6955	74.53	300.36	N 59.6 W	45	6666.72	612.54	-318.74	-1111.02	1155.84	253.99	10.42	10.42	-0.07	3
Velocity	7067	7000	79.36	300.50	N 59.5 W	45	6676.89	655.48	-296.54	-1148.81	1186.46	255.53	10.74	10.73	0.31	3
Velocity	7112	7045	84.31	299.25	N 60.8 W	45	6683.28	699.01	-274.36	-1187.42	1218.71	256.99	11.34	11.00	-2.78	3
Velocity	7156	7089	88.53	297.93	N 62.1 W	44	6686.02	741.72	-253.36	-1225.97	1251.88	258.32	10.05	9.59	-3.00	3
Velocity	7201	7134	88.64	297.87	N 62.1 W	45	6687.13	785.35	-232.31	-1265.73	1286.87	259.60	0.28	0.24	-0.13	3
Velocity	7291	7224	6687.00	297.67	N 62.3 W	90	6687.34	872.59	-190.38	-1345.36	1358.76	261.95	2.74	2.73	-0.22	3
Velocity	7380	7313	91.22	298.52	N 61.5 W	89	6685.54	958.97	-148.47	-1423.85	1431.57	264.05	0.96	0.13	0.96	3
Velocity	7469	7402	91.07	298.60	N 61.4 W	89	6683.76	1045.52	-105.93	-1502.01	1505.74	265.97	0.19	-0.17	0.09	3
Velocity	7559	7492	92.12	300.66	N 59.3 W	90	6681.25	1133.39	-61.46	-1580.20	1581.40	267.77	2.57	1.17	2.29	3
Velocity	7648	7581	92.12	301.36	N 58.6 W	89	6677.96	1220.70	-15.64	-1656.43	1656.50	269.46	0.79	0.00	0.79	3

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MAR 14 2024

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Velocity	7738	7671	91.15	301.83	N 58.2 W	90	6675.39	1309.19	31.50	-1733.06	1733.34	271.04	1.20	-1.08	0.52	3
Velocity	7827	7760	90.19	303.84	N 56.2 W	89	6674.35	1397.04	79.75	-1807.83	1809.59	272.53	2.50	-1.08	2.26	3
Velocity	7917	7850	90.64	305.34	N 54.7 W	90	6673.70	1486.29	130.84	-1881.92	1886.46	273.98	1.74	0.50	1.67	3
Velocity	8006	7939	90.48	306.48	N 53.5 W	89	6672.83	1574.78	183.03	-1954.00	1962.55	275.35	1.29	-0.18	1.28	3
Velocity	8096	8029	90.22	307.91	N 52.1 W	90	6672.28	1664.46	237.44	-2025.68	2039.55	276.69	1.61	-0.29	1.59	3
Velocity	8185	8118	90.35	309.77	N 50.2 W	89	6671.84	1753.32	293.25	-2095.00	2115.43	277.97	2.09	0.15	2.09	3
Velocity	8275	8208	90.30	312.35	N 47.7 W	90	6671.33	1843.30	352.36	-2162.86	2191.37	279.25	2.87	-0.06	2.87	3
Velocity	8364	8297	89.75	316.01	N 44.0 W	89	6671.29	1932.22	414.38	-2226.67	2264.90	280.54	4.16	-0.62	4.11	3
Velocity	8454	8387	90.27	318.66	N 41.3 W	90	6671.27	2021.82	480.55	-2287.66	2337.59	281.86	3.00	0.58	2.94	3
Velocity	8543	8476	89.39	320.46	N 39.5 W	89	6671.54	2110.04	548.28	-2345.39	2408.62	283.16	2.25	-0.99	2.02	3
Velocity	8633	8566	89.38	320.86	N 39.1 W	90	6672.50	2199.01	617.89	-2402.44	2480.62	284.42	0.44	-0.01	0.44	3
Velocity	8722	8655	90.15	321.11	N 38.9 W	89	6672.87	2286.91	687.04	-2458.46	2552.66	285.61	0.91	0.87	0.28	3
Velocity	8812	8745	90.88	323.37	N 36.6 W	90	6672.06	2375.46	758.18	-2513.57	2625.43	286.79	2.64	0.81	2.51	3
Velocity	8901	8834	91.47	324.24	N 35.8 W	89	6670.23	2462.56	829.99	-2566.12	2697.00	287.92	1.18	0.66	0.98	3
Velocity	8945	8878	91.69	323.70	N 36.3 W	44	6669.02	2505.58	865.56	-2591.99	2732.69	288.47	1.32	0.50	-1.23	4
Velocity	9035	8968	90.45	323.84	N 36.2 W	90	6667.34	2593.67	938.14	-2645.17	2806.61	289.53	1.39	-1.38	0.16	4
Velocity	9124	9057	88.45	322.59	N 37.4 W	89	6668.19	2680.96	1009.41	-2698.46	2881.07	290.51	2.65	-2.25	-1.40	4
Velocity	9213	9146	88.48	323.60	N 36.4 W	89	6670.58	2768.26	1080.55	-2751.88	2956.43	291.44	1.13	0.03	1.13	4
Velocity	9303	9236	89.12	324.85	N 35.2 W	90	6672.46	2856.19	1153.55	-2804.48	3032.46	292.36	1.56	0.71	1.39	4
Velocity	9392	9325	91.92	325.99	N 34.0 W	89	6671.65	2942.75	1226.82	-2854.99	3107.42	293.25	3.40	3.15	1.28	4
Velocity	9482	9415	92.33	323.52	N 36.5 W	90	6668.32	3030.45	1300.27	-2906.88	3184.44	294.10	2.78	0.46	-2.74	4
Velocity	9571	9504	91.39	322.90	N 37.1 W	89	6665.43	3117.71	1371.50	-2960.16	3262.44	294.86	1.27	-1.06	-0.70	4
Velocity	9661	9594	90.38	321.20	N 38.8 W	90	6664.04	3206.31	1442.46	-3015.49	3342.74	295.56	2.20	-1.12	-1.89	4
Velocity	9750	9683	90.33	322.10	N 37.9 W	89	6663.49	3294.04	1512.25	-3070.71	3422.89	296.22	1.01	-0.06	1.01	4
Velocity	9840	9773	89.76	320.87	N 39.1 W	90	6663.42	3382.81	1582.67	-3126.76	3504.49	296.85	1.51	-0.63	-1.37	4
Velocity	9929	9862	89.56	320.71	N 39.3 W	89	6663.94	3470.76	1651.63	-3183.02	3586.01	297.42	0.29	-0.22	-0.18	4
Velocity	10018	9951	89.62	321.58	N 38.4 W	89	6664.58	3558.62	1720.94	-3238.85	3667.67	297.98	0.98	0.07	0.98	4
Velocity	10108	10041	89.75	318.47	N 41.5 W	90	6665.08	3647.73	1789.90	-3296.66	3751.23	298.50	3.46	0.14	-3.46	4
Velocity	10197	10130	89.53	318.14	N 41.9 W	89	6665.64	3736.18	1856.35	-3355.86	3835.08	298.95	0.45	-0.25	-0.37	4
Velocity	10287	10220	90.19	317.47	N 42.5 W	90	6665.86	3825.72	1923.03	-3416.31	3920.36	299.37	1.04	0.73	-0.74	4
Velocity	10376	10309	90.48	317.29	N 42.7 W	89	6665.33	3914.32	1988.52	-3476.58	4005.09	299.77	0.38	0.33	-0.20	4
Velocity	10466	10399	92.24	316.22	N 43.8 W	90	6663.20	4003.98	2054.05	-3538.21	4091.22	300.14	2.29	1.96	-1.19	4
Velocity	10556	10489	91.52	317.37	N 42.6 W	90	6660.25	4093.62	2119.62	-3599.80	4177.48	300.49	1.51	-0.80	1.28	4
Velocity	10645	10578	91.47	317.81	N 42.2 W	89	6657.92	4182.16	2185.31	-3659.80	4262.59	300.84	0.50	-0.06	0.49	4
Velocity	10734	10667	90.72	318.37	N 41.6 W	89	6656.22	4270.64	2251.53	-3719.24	4347.65	301.19	1.05	-0.84	0.63	4
Velocity	10824	10757	90.24	320.39	N 39.6 W	90	6655.47	4359.88	2319.84	-3777.82	4433.24	301.55	2.31	-0.53	2.24	4
Velocity	10913	10846	90.07	320.77	N 39.2 W	89	6655.23	4447.89	2388.59	-3834.34	4517.47	301.92	0.47	-0.19	0.43	4
Velocity	11003	10936	89.79	320.85	N 39.2 W	90	6655.34	4536.82	2458.34	-3891.21	4602.71	302.28	0.32	-0.31	0.09	4
Velocity	11092	11025	89.96	321.64	N 38.4 W	89	6655.53	4624.66	2527.75	-3946.92	4686.97	302.64	0.91	0.19	0.89	4
Velocity	11182	11115	89.98	321.86	N 38.1 W	90	6655.58	4713.36	2598.43	-4002.64	4772.10	302.99	0.25	0.02	0.24	4
Velocity	11271	11204	89.73	322.21	N 37.8 W	89	6655.80	4800.99	2668.59	-4057.39	4856.32	303.33	0.48	-0.28	0.39	4
Velocity	11361	11294	89.38	321.44	N 38.6 W	90	6656.50	4889.67	2739.34	-4113.01	4941.75	303.66	0.94	-0.39	-0.86	4
Velocity	11450	11383	90.70	323.30	N 36.7 W	89	6656.44	4977.21	2809.82	-4167.35	5026.12	303.99	2.56	1.48	2.09	4

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 MAR 14 2024
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Velocity	11540	11473	90.87	323.55	N 36.5 W	90	6655.21	5065.41	2882.09	-4220.97	5111.07	304.33	0.34	0.19	0.28	4
Velocity	11629	11562	91.29	323.03	N 37.0 W	89	6653.53	5152.67	2953.43	-4274.17	5195.31	304.64	0.75	0.47	-0.58	4
Velocity	11719	11652	91.05	322.11	N 37.9 W	90	6651.69	5241.12	3024.88	-4328.86	5280.99	304.94	1.06	-0.27	-1.02	4
Velocity	11808	11741	90.33	322.13	N 37.9 W	89	6650.62	5328.73	3095.12	-4383.50	5366.08	305.23	0.81	-0.81	0.02	4
Velocity	11898	11831	89.99	321.95	N 38.1 W	90	6650.37	5417.34	3166.08	-4438.86	5452.30	305.50	0.43	-0.38	-0.20	4
Velocity	11987	11920	89.78	321.12	N 38.9 W	89	6650.55	5505.11	3235.77	-4494.22	5537.89	305.75	0.96	-0.24	-0.93	4
Velocity	12077	12010	89.99	321.94	N 38.1 W	90	6650.73	5593.87	3306.23	-4550.21	5624.55	306.00	0.94	0.23	0.91	4
Velocity	12166	12099	89.19	324.19	N 35.8 W	89	6651.37	5681.20	3377.36	-4603.68	5709.68	306.26	2.68	-0.90	2.53	4
Velocity	12255	12188	88.93	323.33	N 36.7 W	89	6652.83	5768.32	3449.14	-4656.29	5794.61	306.53	1.01	-0.29	-0.97	4
Velocity	12345	12278	89.96	323.84	N 36.2 W	90	6653.70	5856.47	3521.56	-4709.71	5880.71	306.79	1.28	1.14	0.57	4
Velocity	12434	12367	90.27	324.34	N 35.7 W	89	6653.52	5943.50	3593.64	-4761.91	5965.74	307.04	0.66	0.35	0.56	4
Velocity	12524	12457	90.35	323.32	N 36.7 W	90	6653.03	6031.58	3666.29	-4815.03	6051.96	307.29	1.14	0.09	-1.13	4
Velocity	12613	12546	89.73	323.11	N 36.9 W	89	6652.97	6118.88	3737.57	-4868.32	6137.59	307.51	0.74	-0.70	-0.24	4
Velocity	12703	12636	89.59	323.58	N 36.4 W	90	6653.50	6207.11	3809.77	-4922.05	6224.22	307.74	0.54	-0.16	0.52	4
Velocity	12792	12725	89.36	324.03	N 36.0 W	89	6654.32	6294.22	3881.59	-4974.60	6309.79	307.96	0.57	-0.26	0.51	4
Velocity	12882	12815	88.93	323.41	N 36.6 W	90	6655.66	6382.33	3954.14	-5027.85	6396.45	308.18	0.84	-0.48	-0.69	4
Velocity	12971	12904	89.22	322.41	N 37.6 W	89	6657.10	6469.71	4025.12	-5081.52	6482.55	308.38	1.17	0.33	-1.12	4
Velocity	13060	12993	89.93	320.86	N 39.1 W	89	6657.76	6557.44	4094.90	-5136.76	6569.21	308.56	1.92	0.80	-1.74	4
Velocity	13150	13083	90.72	319.56	N 40.4 W	90	6657.25	6646.52	4164.05	-5194.35	6657.37	308.72	1.69	0.88	-1.44	4
Velocity	13239	13172	91.12	318.86	N 41.1 W	89	6655.82	6734.80	4231.43	-5252.49	6744.89	308.86	0.91	0.45	-0.79	4
Velocity	13329	13262	90.68	318.82	N 41.2 W	90	6654.41	6824.14	4299.18	-5311.71	6833.53	308.99	0.49	-0.49	-0.04	4
Velocity	13418	13351	90.73	319.17	N 40.8 W	89	6653.31	6912.47	4366.33	-5370.10	6921.19	309.11	0.40	0.06	0.39	4
Velocity	13508	13441	90.68	321.44	N 38.6 W	90	6652.20	7001.51	4435.58	-5427.58	7009.49	309.26	2.52	-0.06	2.52	4
Velocity	13597	13530	90.21	320.15	N 39.9 W	89	6651.51	7089.46	4504.54	-5483.83	7096.71	309.40	1.54	-0.53	-1.45	4
Velocity	13687	13620	90.12	319.94	N 40.1 W	90	6651.25	7178.57	4573.53	-5541.63	7185.18	309.53	0.25	-0.10	-0.23	4
Velocity	13776	13709	90.25	319.44	N 40.6 W	89	6650.97	7266.77	4641.39	-5599.20	7272.80	309.66	0.58	0.15	-0.56	4
Velocity	13866	13799	90.44	320.03	N 40.0 W	90	6650.42	7355.95	4710.07	-5657.37	7361.43	309.78	0.69	0.21	0.66	4
Velocity	13955	13888	90.35	319.49	N 40.5 W	89	6649.81	7444.13	4778.00	-5714.86	7449.09	309.90	0.62	-0.10	-0.61	4
Velocity	14045	13978	90.07	319.74	N 40.3 W	90	6649.48	7533.33	4846.56	-5773.18	7537.82	310.01	0.42	-0.31	0.28	4
Velocity	14135	14068	90.28	320.32	N 39.7 W	90	6649.21	7622.44	4915.53	-5830.99	7626.46	310.13	0.69	0.23	0.64	4
Velocity	14224	14157	90.35	320.36	N 39.6 W	89	6648.72	7710.50	4984.04	-5887.79	7714.06	310.25	0.09	0.08	0.04	4
Velocity	14313	14246	90.10	320.49	N 39.5 W	89	6648.37	7798.54	5052.64	-5944.49	7801.68	310.36	0.32	-0.28	0.15	4
Velocity	14403	14336	90.08	320.42	N 39.6 W	90	6648.23	7887.56	5122.05	-6001.79	7890.30	310.48	0.08	-0.02	-0.08	4
Velocity	14492	14425	90.05	320.65	N 39.4 W	89	6648.13	7975.57	5190.75	-6058.36	7977.95	310.59	0.26	-0.03	0.26	4
Velocity	14582	14515	90.21	320.87	N 39.1 W	90	6647.92	8064.51	5260.46	-6115.29	8066.55	310.70	0.30	0.18	0.24	4
Velocity	14671	14604	90.48	320.64	N 39.4 W	89	6647.39	8152.47	5329.38	-6171.60	8154.20	310.81	0.40	0.30	-0.26	4
Velocity	14760	14693	90.56	320.05	N 40.0 W	89	6646.58	8240.52	5397.90	-6228.39	8241.98	310.91	0.67	0.09	-0.66	4
Velocity	14850	14783	89.95	320.63	N 39.4 W	90	6646.18	8329.57	5467.19	-6285.83	8330.77	311.02	0.94	-0.68	0.64	4
Velocity	14939	14872	89.88	320.14	N 39.9 W	89	6646.31	8417.62	5535.75	-6342.58	8418.60	311.11	0.56	-0.08	-0.55	4
Velocity	15029	14962	89.28	319.53	N 40.5 W	90	6646.97	8506.77	5604.52	-6400.63	8507.57	311.21	0.95	-0.67	-0.68	4
Velocity	15118	15051	89.25	320.60	N 39.4 W	89	6648.11	8594.88	5672.76	-6457.75	8595.51	311.30	1.20	-0.03	1.20	4
Velocity	15208	15141	88.81	321.61	N 38.4 W	90	6649.63	8683.73	5742.79	-6514.25	8684.19	311.40	1.22	-0.49	1.12	4
Velocity	15297	15230	88.87	321.76	N 38.2 W	89	6651.44	8771.44	5812.61	-6569.42	8771.76	311.50	0.18	0.07	0.17	4

MAR 14 2024

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Velocity	15387	15320	92.41	326.32	N 33.7 W	90	6650.43	8859.41	5885.42	-6622.24	8859.59	311.63	6.41	3.93	5.07	4
Velocity	15476	15409	92.49	325.87	N 34.1 W	89	6646.63	8945.65	5959.22	-6671.85	8945.72	311.77	0.51	0.09	-0.51	4
Last Svy	15521	15454	92.62	325.70	N 34.3 W	45	6644.62	8989.31	5996.40	-6697.12	8989.34	311.84	0.48	0.29	-0.38	4
Projection	15521	15521	92.62	325.70	N 34.3 W	67	6641.56	9054.33	6051.69	-6734.84	9054.34	311.94	0.00	0.00	0.00	4

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MAR 14 2024
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