PHOENIX TECHNOLOGY SERVICES

Company: 7
Well: Grumpy 7
Location: Tyler Co., WV
Rig: Precision 823
API No: 47-095-02631-00-00
Start Date: 09/18/21 Start Depth: 315

Job Number: 68146
Magnetic Declination: -7.75
Grid Correction: 0.15
Total Correction: -7.9
North reference: Grid

Calculation Method: Minimum Curvature
Proposed Azimuth: 324.73
Depth Ref: RKB 1313 ft Plan # 3
Field: Marcellus
Location Lat/Long: 39.4677 , -80.764197
End Date: 10/01/21 End Depth 12635

Survey Tool Type	Bit Depth (ft)	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates +N/-S (ft)	Coordinates +E/-W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
TIP	303.50	303.50	0.78	149.70	S 30.3 E	0	303.49	0.74	0.30	-0.86	0.91	360.00	0.00	0	0	0
1st Svy	469	401	1.12	120.97	S 59.0 E	98	400.98	-0.79	-0.76	0.29	0.82	159.07	0.59	0.35	-29.47	3
Velocity	532	446	1.22	111.92	S 68.1 E	45	445.97	-1.60	-1.17	1.11	1.61	136.38	0.47	0.22	-20.11	1
Velocity	576	490	1.54	97.62	S 82.4 E	44	489.95	-2.39	-1.42	2.13	2.56	123.67	1.06	0.73	-32.50	1
Velocity	621	535	2.19	77.92	N 77.9 E	45	534.93	-3.14	-1.32	3.57	3.81	110.30	2.01	1.44	-43.78	1
Velocity	665	579	2.92	74.40	N 74.4 E	44	578.89	-3.85	-0.84	5.48	5.54	98.77	1.70	1.66	-8.00	1
Velocity	710	624	3.87	65.47	N 65.5 E	45	623.81	-4.52	0.09	7.96	7.96	89.32	2.41	2.11	-19.84	1
Velocity	754	668	4.66	62.75	N 62.8 E	44	667.69	-5.05	1.53	10.90	11.01	82.02	1.85	1.80	-6.18	1
Velocity	799	713	5.30	60.33	N 60.3 E	45	712.52	-5.50	3.39	14.33	14.73	76.67	1.50	1.42	-5.38	1
Velocity	843	757	5.44	60.31	N 60.3 E	44	756.32	-5.91	5.43	17.91	18.72	73.12	0.32	0.32	-0.05	1
Velocity	888	802	5.67	58.62	N 58.6 E	45	801.11	-6.26	7.65	21.66	22.97	70.55	0.63	0.51	-3.76	1
Velocity	932	846	5.58	52.05	N 52.1 E	44	844.90	-6.31	10.10	25.20	27.15	68.17	1.48	-0.20	-14.93	1
Velocity	977	891	5.11	43.04	N 43.0 E	45	889.70	-5.80	12.91	28.30	31.10	65.48	2.13	-1.04	-20.02	1
Velocity	1021	935	4.33	31.39	N 31.4 E	44	933.56	-4.75	15.76	30.50	34.33	62.68	2.80	-1.77	-26.48	1
Velocity	1066	980	3.50	18.10	N 18.1 E	45	978.45	-3.25	18.51	31.81	36.80	59.80	2.72	-1.84	-29.53	1
Velocity	1110	1024	2.51	6.65	N 6.7 E	44	1022.39	-1.74	20.75	32.34	38.42	57.32	2.62	-2.25	-26.02	1
Velocity	1155	1069	1.57	348.29	N 11.7 W	45	1067.36	-0.44	22.33	32.33	39.29	55.37	2.52	-2.09	-40.80	1
Velocity	1199	1113	1.32	329.86	N 30.1 W	44	1111.35	0.62	23.36	31.95	39.58	53.83	1.19	-0.57	-41.89	1
Velocity	1288	1202	1.46	327.78	N 32.2 W	89	1200.32	2.77	25.20	30.83	39.82	50.74	0.17	0.16	-2.34	1
Velocity	1377	1291	0.71	348.23	N 11.8 W	89	1289.31	4.41	26.70	30.12	40.25	48.44	0.94	-0.84	22.98	1
Velocity	1466	1380	0.45	349.16	N 10.8 W	89	1378.30	5.23	27.58	29.94	40.71	47.34	0.29	-0.29	1.04	1
Velocity	1555	1469	0.36	312.32	N 47.7 W	89	1467.30	5.83	28.12	29.66	40.87	46.54	0.30	-0.10	-41.39	1
Velocity	1647	1561	0.44	262.15	S 82.2 W	92	1559.30	6.27	28.26	29.10	40.57	45.84	0.38	0.09	-54.53	1
Velocity	1736	1650	0.35	276.08	N 83.9 W	89	1648.30	6.61	28.24	28.49	40.12	45.25	0.15	-0.10	15.65	1
Velocity	1825	1739	0.13	262.62	S 82.6 W	89	1737.29	6.83	28.26	28.12	39.87	44.86	0.25	-0.25	-15.12	1
Velocity	1914	1828	0.42	207.63	S 27.6 W	89	1826.29	6.73	27.96	27.87	39.48	44.91	0.41	0.33	-61.79	1
Velocity	2003	1917	1.75	222.81	S 42.8 W	89	1915.28	6.30	26.67	26.80	37.81	45.13	1.52	1.49	17.06	1
Velocity	2092	2006	3.41	225.30	S 45.3 W	89	2004.18	5.59	23.81	23.99	33.80	45.21	1.87	1.87	2.80	1
Velocity	2181	2095	4.84	230.23	S 50.2 W	89	2092.95	4.86	19.55	19.22	27.42	44.52	1.65	1.61	5.54	1
Velocity	2270	2184	6.11	240.85	S 60.9 W	89	2181.54	5.07	14.84	12.20	19.21	39.42	1.82	1.43	11.93	1
Velocity	2359	2273	8.31	250.52	S 70.5 W	89	2269.84	7.33	10.39	2.00	10.58	10.89	2.81	2.47	10.87	1
Velocity	2448	2362	10.96	253.82	S 73.8 W	89	2357.58	11.84	5.88	-12.19	13.54	295.76	3.04	2.98	3.71	1
Velocity	2537	2451	11.99	268.95	S 89.0 W	89	2444.82	19.81	3.36	-29.57	29.76	276.48	3.56	1.16	17.00	1
Velocity	2662	2584	11.69	269.16	S 89.2 W	133	2574.99	35.20	2.91	-56.85	56.93	272.93	0.23	-0.23	0.16	2
Velocity	2750	2672	16.09	259.54	S 79.5 W	88	2660.40	45.36	0.56	-77.77	77.77	270.41	5.63	5.00	-10.93	2
Velocity	2840	2762	18.24	254.90	S 74.9 W	90	2746.39	55.45	-5.38	-103.64	103.78	267.03	2.83	2.39	-5.16	2
Velocity	2929	2851	17.61	256.97	S 77.0 W	89	2831.07	65.35	-12.04	-130.20	130.76	264.72	1.01	-0.71	2.33	2
Velocity	3018	2940	16.31	263.63	S 83.6 W	89	2916.21	76.49	-16.46	-155.74	156.61	263.97	2.62	-1.46	7.48	2
Velocity	3107	3029	15.53	262.68	S 82.7 W	89	3001.80	88.11	-19.37	-179.98	181.02	263.86	0.92	-0.88	-1.07	2
Velocity	3195	3117	16.05	260.97	S 81.0 W	88	3086.47	99.01	-22.78	-203.68	204.95	263.62	0.79	0.59	-1.94	2
Velocity	3284	3206	17.48	261.98	S 82.0 W	89	3171.69	110.57	-26.57	-229.07	230.60	263.38	1.64	1.61	1.13	2
Velocity	3373	3295	16.86	259.46	S 79.5 W	89	3256.72	122.09	-30.80	-254.99	256.84	263.11	1.09	-0.70	-2.83	2

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Calculation Method: Minimum Curvature
Proposed Azimuth: 324.73
Depth Ref: RKB 1313 ft Plan # 3
Field: Marcellus
Location Lat/Long: 39.4677 , -80.764197
End Depth 12635

Survey Tool Type	Bit Depth (ft)	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates +N/-S (ft)	Coordinates +E/-W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
Velocity	3462	3384	16.91	261.49	S 81.5 W	89	3341.89	133.32	-35.07	-280.48	282.67	262.87	0.66	0.06	2.28	2
Velocity	3551	3473	16.46	265.85	S 85.9 W	89	3427.14	145.67	-37.90	-305.86	308.20	262.94	1.49	-0.51	4.90	2
Velocity	3640	3562	16.87	266.76	S 86.8 W	89	3512.41	159.03	-39.55	-331.33	333.68	263.19	0.55	0.46	1.02	2
Velocity	3729	3651	16.06	265.98	S 86.0 W	89	3597.76	172.27	-41.14	-356.50	358.87	263.42	0.94	-0.91	-0.88	2
Velocity	3818	3740	16.41	263.22	S 83.2 W	89	3683.21	184.65	-43.49	-381.27	383.74	263.49	0.95	0.39	-3.10	2
Velocity	3910	3832	17.18	260.23	S 80.2 W	92	3771.28	196.70	-47.33	-407.56	410.30	263.38	1.26	0.84	-3.25	2
Velocity	3999	3921	17.67	263.07	S 83.1 W	89	3856.20	208.77	-51.19	-433.93	436.93	263.27	1.10	0.55	3.19	2
Velocity	4088	4010	16.92	261.99	S 82.0 W	89	3941.18	221.12	-54.62	-460.16	463.39	263.23	0.92	-0.84	-1.21	2
Velocity	4177	4099	17.58	263.50	S 83.5 W	89	4026.17	233.52	-57.95	-486.34	489.78	263.21	0.90	0.74	1.70	2
Velocity	4266	4188	18.47	263.97	S 84.0 W	89	4110.81	246.87	-60.95	-513.71	517.32	263.23	1.01	1.00	0.53	2
Velocity	4355	4277	17.44	262.58	S 82.6 W	89	4195.47	259.99	-64.15	-540.96	544.75	263.24	1.25	-1.16	-1.56	2
Velocity	4444	4366	17.33	265.52	S 85.5 W	89	4280.41	273.01	-66.91	-567.40	571.33	263.27	0.99	-0.12	3.30	2
Velocity	4533	4455	16.71	265.79	S 85.8 W	89	4365.51	286.39	-68.88	-593.38	597.36	263.38	0.70	-0.70	0.30	2
Velocity	4621	4543	17.08	263.94	S 83.9 W	88	4449.71	299.23	-71.18	-618.84	622.92	263.44	0.74	0.42	-2.10	2
Velocity	4711	4633	17.53	264.43	S 84.4 W	90	4535.64	312.39	-73.89	-645.48	649.69	263.47	0.53	0.50	0.54	2
Velocity	4800	4722	18.34	264.08	S 84.1 W	89	4620.31	325.90	-76.63	-672.75	677.10	263.50	0.92	0.91	-0.39	2
Velocity	4889	4811	17.54	260.86	S 80.9 W	89	4704.98	338.67	-80.21	-699.92	704.50	263.46	1.43	-0.90	-3.62	2
Velocity	4977	4899	18.12	262.45	S 82.5 W	88	4788.76	350.87	-84.11	-726.57	731.43	263.40	0.86	0.66	1.81	2
Velocity	5066	4988	18.43	264.07	S 84.1 W	89	4873.27	364.20	-87.39	-754.29	759.33	263.39	0.67	0.35	1.82	2
Velocity	5155	5077	17.64	261.78	S 81.8 W	89	4957.90	377.23	-90.77	-781.63	786.88	263.38	1.19	-0.89	-2.57	2
Velocity	5247	5169	16.75	265.15	S 85.2 W	92	5045.79	390.28	-93.88	-808.63	814.07	263.38	1.45	-0.97	3.66	2
Velocity	5336	5258	16.55	263.28	S 83.3 W	89	5131.06	402.83	-96.45	-834.00	839.56	263.40	0.64	-0.22	-2.10	2
Velocity	5425	5347	17.48	262.66	S 82.7 W	89	5216.16	415.15	-99.64	-859.85	865.60	263.39	1.06	1.04	-0.70	2
Velocity	5514	5436	16.73	261.86	S 81.9 W	89	5301.22	427.26	-103.16	-885.79	891.77	263.36	0.88	-0.84	-0.90	2
Velocity	5603	5525	17.19	263.61	S 83.6 W	89	5386.35	439.45	-106.44	-911.54	917.73	263.34	0.77	0.52	1.97	2
Velocity	5692	5614	16.22	262.93	S 82.9 W	89	5471.59	451.68	-109.43	-936.94	943.31	263.34	1.11	-1.09	-0.76	2
Velocity	5781	5703	16.62	260.42	S 80.4 W	89	5556.97	463.07	-113.08	-961.83	968.46	263.29	0.92	0.45	-2.82	2
Velocity	5870	5792	17.66	262.28	S 82.3 W	89	5642.01	474.83	-117.01	-987.76	994.67	263.24	1.32	1.17	2.09	2
Velocity	5958	5880	18.39	264.50	S 84.5 W	88	5725.69	487.90	-120.14	-1014.81	1021.89	263.25	1.14	0.83	2.52	2
Velocity	6047	5969	17.00	262.31	S 82.3 W	89	5810.48	500.89	-123.22	-1041.67	1048.94	263.25	1.73	-1.56	-2.46	2
Velocity	6137	6059	16.52	260.79	S 80.8 W	90	5896.66	512.60	-127.03	-1067.34	1074.88	263.21	0.72	-0.53	-1.69	2
Velocity	6226	6148	16.47	263.98	S 84.0 W	89	5982.00	524.33	-130.38	-1092.38	1100.14	263.19	1.02	-0.06	3.58	2
Velocity	6315	6237	17.67	263.84	S 83.8 W	89	6067.08	537.06	-133.15	-1118.36	1126.26	263.21	1.35	1.35	-0.16	2
Velocity	6404	6326	18.94	266.01	S 86.0 W	89	6151.57	551.13	-135.61	-1146.20	1154.19	263.25	1.62	1.43	2.44	2
Velocity	6493	6415	18.64	267.29	S 87.3 W	89	6235.83	566.29	-137.28	-1174.81	1182.81	263.33	0.57	-0.34	1.44	2
Velocity	6582	6504	18.72	262.70	S 82.7 W	89	6320.14	580.64	-139.77	-1203.19	1211.28	263.37	1.65	0.09	-5.16	2
Velocity	6671	6593	18.25	260.19	S 80.2 W	89	6404.55	593.33	-143.96	-1231.09	1239.48	263.33	1.04	-0.53	-2.82	2
Velocity	6736	6668	17.36	259.10	S 79.1 W	75	6475.96	603.00	-148.08	-1253.65	1262.36	263.26	1.27	-1.19	-1.45	3
Velocity	6781	6713	17.72	262.00	S 82.0 W	45	6518.87	608.91	-150.30	-1267.02	1275.91	263.23	2.10	0.80	6.44	3
Velocity	6826	6758	20.51	274.23	N 85.8 W	45	6561.40	617.06	-150.67	-1281.67	1290.50	263.30	10.82	6.20	27.18	3
Velocity	6870	6802	24.18	284.21	N 75.8 W	44	6602.11	628.82	-147.89	-1298.11	1306.51	263.50	11.97	8.34	22.68	3
Velocity	6915	6847	27.30	290.36	N 69.6 W	45	6642.64	644.35	-142.03	-1316.73	1324.36	263.84	9.12	6.93	13.67	3

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Velocity	6960	6892	29.96	296.96	N 63.0 W	45	6682.15	662.82	-133.35	-1336.42	1343.06	264.30	9.18	5.91	14.67	3
Velocity	7004	6936	31.91	301.73	N 58.3 W	44	6719.89	683.25	-122.25	-1356.11	1361.61	264.85	7.12	4.43	10.84	3
Velocity	7049	6981	36.08	308.51	N 51.5 W	45	6757.21	706.94	-107.73	-1376.61	1380.82	265.53	12.51	9.27	15.07	3
Velocity	7094	7026	39.09	312.07	N 47.9 W	45	6792.87	733.52	-89.97	-1397.52	1400.41	266.32	8.25	6.69	7.91	3
Velocity	7139	7071	42.72	315.74	N 44.3 W	45	6826.88	762.45	-69.52	-1418.72	1420.42	267.19	9.67	8.07	8.16	3
Velocity	7183	7115	46.21	317.47	N 42.5 W	44	6858.27	792.96	-47.12	-1439.88	1440.65	268.13	8.40	7.93	3.93	3
Velocity	7228	7160	50.41	321.18	N 38.8 W	45	6888.20	826.40	-21.62	-1461.74	1461.90	269.15	11.18	9.33	8.24	3
Velocity	7273	7205	53.88	323.01	N 37.0 W	45	6915.82	861.88	6.41	-1483.55	1483.56	270.25	8.35	7.71	4.07	3
Velocity	7317	7249	56.60	325.06	N 34.9 W	44	6940.90	898.02	35.67	-1504.77	1505.19	271.36	7.27	6.18	4.66	3
Velocity	7362	7294	59.89	326.73	N 33.3 W	45	6964.58	936.27	67.35	-1526.21	1527.70	272.53	7.96	7.31	3.71	3
Velocity	7407	7339	65.95	328.55	N 31.5 W	45	6985.06	976.26	101.19	-1547.63	1550.93	273.74	13.94	13.47	4.04	3
Velocity	7451	7383	70.75	329.80	N 30.2 W	44	7001.29	1017.02	136.30	-1568.57	1574.48	274.97	11.22	10.91	2.84	3
Velocity	7496	7428	75.72	331.06	N 28.9 W	45	7014.26	1059.88	173.77	-1589.82	1599.29	276.24	11.36	11.04	2.80	3
Velocity	7541	7473	78.11	333.34	N 26.7 W	45	7024.45	1103.33	212.54	-1610.26	1624.22	277.52	7.25	5.31	5.07	3
Velocity	7585	7517	79.81	335.31	N 24.7 W	44	7032.88	1145.91	251.45	-1628.97	1648.26	278.78	5.85	3.86	4.48	3
Velocity	7629	7561	83.80	337.13	N 22.9 W	44	7039.15	1188.58	291.30	-1646.52	1672.09	280.03	9.95	9.07	4.14	3
Velocity	7674	7606	88.70	338.61	N 21.4 W	45	7042.09	1232.29	332.88	-1663.43	1696.41	281.32	11.37	10.89	3.29	3
Velocity	7718	7650	90.32	338.60	N 21.4 W	44	7042.47	1275.00	373.85	-1679.48	1720.58	282.55	3.68	3.68	-0.02	3
Velocity	7763	7695	90.38	338.51	N 21.5 W	45	7042.19	1318.70	415.73	-1695.93	1746.14	283.77	0.24	0.13	-0.20	3
Velocity	7852	7784	90.22	338.53	N 21.5 W	89	7041.73	1405.13	498.55	-1728.52	1798.98	286.09	0.18	-0.18	0.02	3
Velocity	7941	7873	90.12	339.12	N 20.9 W	89	7041.46	1491.45	581.54	-1760.67	1854.22	288.28	0.67	-0.11	0.66	3
Velocity	8031	7963	89.75	338.86	N 21.1 W	90	7041.57	1578.68	665.55	-1792.93	1912.48	290.37	0.50	-0.41	-0.29	3
Velocity	8120	8052	89.30	339.70	N 20.3 W	89	7042.30	1664.82	748.79	-1824.42	1972.11	292.31	1.07	-0.51	0.94	3
Velocity	8210	8142	90.70	338.92	N 21.1 W	90	7042.30	1751.92	832.99	-1856.22	2034.56	294.17	1.78	1.56	-0.87	3
Velocity	8299	8231	91.15	338.85	N 21.2 W	89	7040.87	1838.21	916.00	-1888.28	2098.72	295.88	0.51	0.51	-0.08	3
Velocity	8388	8320	90.75	339.28	N 20.7 W	89	7039.39	1924.42	999.11	-1920.07	2164.46	297.49	0.66	-0.45	0.48	3
Velocity	8478	8410	90.96	338.48	N 21.5 W	90	7038.05	2011.68	1083.06	-1952.50	2232.77	299.02	0.92	0.23	-0.89	3
Velocity	8567	8499	89.95	338.76	N 21.2 W	89	7037.34	2098.08	1165.93	-1984.94	2302.04	300.43	1.18	-1.13	0.31	3
Velocity	8656	8588	89.55	339.15	N 20.9 W	89	7037.73	2184.35	1248.99	-2016.90	2372.31	301.77	0.63	-0.45	0.44	3
Velocity	8745	8677	89.73	338.86	N 21.1 W	89	7038.29	2270.60	1332.08	-2048.79	2443.76	303.03	0.38	0.20	-0.33	3
Velocity	8834	8766	89.65	338.63	N 21.4 W	89	7038.77	2356.95	1415.03	-2081.05	2516.56	304.21	0.27	-0.09	-0.26	3
Velocity	8923	8855	90.53	338.25	N 21.8 W	89	7038.63	2443.41	1497.80	-2113.76	2590.63	305.32	1.08	0.99	-0.43	3
Velocity	9012	8944	90.47	337.07	N 22.9 W	89	7037.85	2530.15	1580.11	-2147.58	2666.25	306.34	1.33	-0.07	-1.33	3
Velocity	9101	9033	90.01	336.43	N 23.6 W	89	7037.48	2617.19	1661.88	-2182.71	2743.37	307.29	0.89	-0.52	-0.72	3
Velocity	9190	9122	89.85	336.27	N 23.7 W	89	7037.59	2704.37	1743.41	-2218.42	2821.50	308.16	0.25	-0.18	-0.18	3
Velocity	9279	9211	90.78	338.05	N 22.0 W	89	7037.10	2791.28	1825.43	-2252.96	2899.66	309.02	2.26	1.04	2.00	3
Velocity	9368	9300	90.44	338.02	N 22.0 W	89	7036.15	2877.88	1907.96	-2286.25	2977.79	309.85	0.38	-0.38	-0.03	3
Velocity	9457	9389	90.53	339.88	N 20.1 W	89	7035.40	2964.15	1991.01	-2318.21	3055.85	310.66	2.09	0.10	2.09	3
Velocity	9546	9478	90.27	341.71	N 18.3 W	89	7034.78	3049.67	2075.06	-2347.49	3133.14	311.48	2.08	-0.29	2.06	3
Velocity	9635	9567	89.95	339.24	N 20.8 W	89	7034.61	3135.32	2158.93	-2377.23	3211.26	312.24	2.80	-0.36	-2.78	3
Velocity	9724	9656	90.99	337.12	N 22.9 W	89	7033.88	3221.87	2241.55	-2410.31	3291.52	312.92	2.65	1.17	-2.38	3
Velocity	9813	9745	90.62	337.23	N 22.8 W	89	7032.63	3308.77	2323.57	-2444.83	3372.86	313.54	0.43	-0.42	0.12	3

PHOENIX TECHNOLOGY SERVICES

Company: 7
Well: Grumpy 7
Location: Tyler Co., WV
Rig: Precision 823
API No: 47-095-02631-00-00
Start Date: 09/18/21 Start Depth: 315

Job Number: 68146
Magnetic Declination: -7.75
Grid Correction: 0.15
Total Correction: -7.9
North reference: Grid

Calculation Method: Minimum Curvature
Proposed Azimuth: 324.73
Depth Ref: RKB 1313 ft Plan #
Field: Marcellus
Location Lat/Long: 39.4677 , -80.764197
End Date: 10/01/21 End Depth 12635

Survey Tool Type	Bit Depth (ft)	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Direction	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates +N/-S (ft)	Coordinates +E/-W (ft)	Closure Distance (ft)	Closure Angle (deg)	Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
Velocity	9902	9834	90.61	338.08	N 21.9 W	89	7031.67	3395.51	2405.88	-2478.66	3454.28	314.15	0.96	-0.01	0.96	3
Velocity	9991	9923	90.52	338.19	N 21.8 W	89	7030.79	3482.08	2488.47	-2511.81	3535.77	314.73	0.16	-0.10	0.12	3
Velocity	10080	10012	90.08	337.95	N 22.1 W	89	7030.33	3568.68	2571.03	-2545.04	3617.66	315.29	0.56	-0.49	-0.27	3
Velocity	10169	10101	90.16	338.61	N 21.4 W	89	7030.14	3655.20	2653.71	-2577.98	3699.75	315.83	0.75	0.09	0.74	3
Velocity	10258	10190	90.39	340.27	N 19.7 W	89	7029.72	3741.28	2737.04	-2609.24	3781.47	316.37	1.88	0.26	1.87	3
Velocity	10347	10279	89.47	338.04	N 22.0 W	89	7029.82	3827.47	2820.21	-2640.90	3863.67	316.88	2.71	-1.03	-2.51	3
Velocity	10436	10368	90.84	336.18	N 23.8 W	89	7029.58	3914.39	2902.19	-2675.52	3947.29	317.33	2.60	1.54	-2.09	3
Velocity	10525	10457	90.52	335.51	N 24.5 W	89	7028.53	4001.72	2983.40	-2711.93	4031.78	317.73	0.83	-0.36	-0.75	3
Velocity	10614	10546	91.92	336.06	N 23.9 W	89	7026.63	4089.04	3064.54	-2748.43	4116.47	318.11	1.69	1.57	0.62	3
Velocity	10703	10635	92.70	337.12	N 22.9 W	89	7023.04	4176.07	3146.15	-2783.76	4200.90	318.50	1.48	0.88	1.19	3
Velocity	10793	10725	91.61	338.04	N 22.0 W	90	7019.66	4263.75	3229.29	-2818.06	4286.00	318.89	1.58	-1.21	1.02	3
Velocity	10881	10813	91.72	337.52	N 22.5 W	88	7017.10	4349.44	3310.72	-2851.32	4369.31	319.26	0.60	0.12	-0.59	3
Velocity	10971	10903	91.41	336.88	N 23.1 W	90	7014.65	4437.29	3393.65	-2886.19	4454.99	319.62	0.79	-0.34	-0.71	3
Velocity	11060	10992	90.95	335.39	N 24.6 W	89	7012.81	4524.51	3475.02	-2922.19	4540.37	319.94	1.75	-0.52	-1.67	3
Velocity	11149	11081	92.03	336.35	N 23.7 W	89	7010.50	4611.80	3556.22	-2958.56	4625.99	320.24	1.62	1.21	1.08	3
Velocity	11238	11170	92.10	336.76	N 23.2 W	89	7007.29	4698.85	3637.82	-2993.95	4711.41	320.55	0.47	0.08	0.46	3
Velocity	11328	11260	91.66	337.14	N 22.9 W	90	7004.34	4786.77	3720.59	-3029.16	4797.77	320.85	0.65	-0.49	0.42	3
Velocity	11418	11350	90.32	338.22	N 21.8 W	90	7002.78	4874.46	3803.83	-3063.34	4883.97	321.15	1.91	-1.49	1.20	3
Velocity	11508	11440	90.24	338.90	N 21.1 W	90	7002.34	4961.85	3887.60	-3096.23	4969.92	321.46	0.76	-0.09	0.76	3
Velocity	11599	11531	90.07	338.70	N 21.3 W	91	7002.10	5050.12	3972.44	-3129.14	5056.86	321.77	0.29	-0.19	-0.22	3
Velocity	11689	11621	90.02	339.28	N 20.7 W	90	7002.03	5137.35	4056.46	-3161.41	5142.89	322.07	0.65	-0.06	0.64	3
Velocity	11779	11711	90.02	338.24	N 21.8 W	90	7002.00	5224.66	4140.34	-3194.01	5229.16	322.35	1.16	0.00	-1.16	3
Velocity	11869	11801	90.35	337.05	N 23.0 W	90	7001.70	5312.38	4223.57	-3228.24	5316.03	322.61	1.37	0.37	-1.32	3
Velocity	11959	11891	90.12	337.02	N 23.0 W	90	7001.34	5400.31	4306.44	-3263.36	5403.23	322.85	0.26	-0.26	-0.03	3
Velocity	12050	11982	89.70	336.82	N 23.2 W	91	7001.48	5489.26	4390.16	-3299.03	5491.55	323.08	0.51	-0.46	-0.22	3
Velocity	12140	12072	90.75	337.25	N 22.8 W	90	7001.13	5577.19	4473.02	-3334.15	5578.93	323.30	1.26	1.17	0.48	3
Velocity	12230	12162	90.67	337.42	N 22.6 W	90	7000.01	5665.01	4556.06	-3368.83	5666.28	323.52	0.21	-0.09	0.19	3
Velocity	12320	12252	90.45	337.20	N 22.8 W	90	6999.13	5752.85	4639.10	-3403.54	5753.72	323.73	0.35	-0.24	-0.24	3
Velocity	12410	12342	90.52	338.22	N 21.8 W	90	6998.37	5840.55	4722.37	-3437.68	5841.09	323.95	1.14	0.08	1.13	3
Velocity	12500	12432	90.16	338.51	N 21.5 W	90	6997.83	5928.01	4806.02	-3470.86	5928.30	324.16	0.51	-0.40	0.32	3
Velocity	12590	12522	89.84	337.90	N 22.1 W	90	6997.83	6015.53	4889.59	-3504.27	6015.65	324.37	0.77	-0.36	-0.68	3
Last Svy	12635	12567	89.62	338.08	N 21.9 W	45	6998.05	6059.33	4931.31	-3521.14	6059.39	324.47	0.63	-0.49	0.40	3
TD Proj	12635	12635	89.62	338.08	N 21.9 W	68	6998.50	6125.49	4994.39	-3546.52	6125.50	324.62	0.00	0.00	0.00	3