



Company: Jay Bee Oil & Gas  
 Well: P7S2U  
 Location: Pleasants Co., WV  
 Rig: Patterson 582  
 API No: 47-073-02605-00-00  
 Start Date: 05/24/22 Start Depth: 350

Job Number: 69568 Calculation Method: Minimum Curvature  
 Magnetic Declination: -8.234 Proposed Azimuth: 147.16  
 Grid Correction: -1.025 Depth Ref: RKB 979 ft Plan # 3  
 Total Correction: -7.209 Field: Utica  
 North reference: Grid Location Lat/Long: 39.4093144, -81.1072874  
 End Date: 06/22/22 End Depth: 18986

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')	R/S #
TIP	325.60	325.60	0.84	294.03	S 5.1 E	0	325.58	-1.12	0.40	-1.44	0	0	0	0	0	0
1st Svy	488	416	0.96	250.03	S 70.0 W	90	415.97	-1.84	0.41	-2.76	2.79	278.48	0.76	0.13	-48.67	1
Velocity	583	511	0.63	245.14	S 65.1 W	95	510.96	-2.09	-0.08	-3.98	3.98	268.85	0.35	-0.35	-5.15	1
Velocity	677	605	0.48	248.86	S 68.9 W	94	604.96	-2.24	-0.44	-4.81	4.84	264.79	0.16	-0.16	3.96	1
Velocity	772	700	0.60	238.25	S 58.3 W	95	699.95	-2.33	-0.84	-5.61	5.67	261.44	0.16	0.13	-11.17	1
Velocity	867	795	0.19	93.43	S 86.6 E	95	794.95	-2.25	-1.12	-5.87	5.98	259.25	0.80	-0.43	-152.44	1
Velocity	962	890	1.19	55.18	N 55.2 E	95	889.94	-2.19	-0.56	-4.91	4.94	263.47	1.10	1.05	-40.26	1
Velocity	1056	984	1.09	25.19	N 25.2 E	94	983.92	-2.70	0.80	-3.73	3.81	282.18	0.64	-0.11	-31.90	1
Velocity	1151	1079	1.27	357.94	N 2.1 W	95	1078.91	-4.08	2.67	-3.38	4.31	308.36	0.61	0.19	-28.68	1
Velocity	1249	1177	1.19	330.43	N 29.6 W	98	1176.88	-6.03	4.64	-3.92	6.08	319.83	0.60	-0.08	-28.07	1
Velocity	1343	1271	0.74	316.96	N 43.0 W	94	1270.87	-7.60	5.94	-4.82	7.65	320.95	0.53	-0.48	-14.33	1
Velocity	1438	1366	0.12	11.63	N 11.6 E	95	1365.87	-8.28	6.48	-5.21	8.32	321.19	0.71	-0.65	57.55	1
Velocity	1532	1460	0.62	112.92	S 67.1 E	94	1459.87	-7.92	6.38	-4.73	7.94	323.47	0.70	0.53	107.76	1
Velocity	1627	1555	1.09	95.50	S 84.5 E	95	1554.85	-6.94	6.09	-3.35	6.96	331.18	0.56	0.49	-18.34	1
Velocity	1721	1649	1.42	90.66	S 89.3 E	94	1648.83	-5.74	6.00	-1.30	6.13	347.77	0.37	0.35	-5.15	1
Velocity	1817	1745	1.84	78.39	N 78.4 E	96	1744.79	-4.53	6.29	1.40	6.45	12.54	0.57	0.44	-12.78	1
Velocity	1911	1839	2.60	56.87	N 56.9 E	94	1838.72	-3.99	7.76	4.66	9.05	31.00	1.19	0.81	-22.89	1
Velocity	2006	1934	3.36	48.49	N 48.5 E	95	1933.59	-4.42	10.78	8.55	13.76	38.42	0.92	0.80	-8.82	1
Velocity	2069	1997	3.70	40.99	N 41.0 E	63	1996.48	-5.27	13.54	11.27	17.62	39.77	0.91	0.54	-11.90	1
Velocity	2194	2122	4.34	21.95	N 22.0 E	125	2121.17	-9.12	20.97	15.68	26.19	36.79	1.18	0.51	-15.23	2
Velocity	2288	2216	5.00	26.40	N 26.4 E	94	2214.86	-13.26	27.94	18.83	33.70	33.98	0.80	0.70	4.73	2
Velocity	2383	2311	6.30	39.74	N 39.7 E	95	2309.40	-16.94	35.66	24.01	42.99	33.95	1.94	1.37	14.04	2
Velocity	2478	2406	8.22	42.06	N 42.1 E	95	2403.64	-20.27	44.71	31.89	54.92	35.50	2.04	2.02	2.44	2
Velocity	2573	2501	8.90	40.09	N 40.1 E	95	2497.58	-24.20	55.37	41.17	69.00	36.63	0.78	0.72	-2.07	2
Velocity	2667	2595	9.41	33.15	N 33.2 E	94	2590.38	-29.46	67.37	50.06	83.93	36.61	1.29	0.54	-7.38	2
Velocity	2762	2690	9.83	27.21	N 27.2 E	95	2684.05	-36.67	81.09	58.01	99.70	35.58	1.13	0.44	-6.25	2
Velocity	2856	2784	8.47	27.94	N 27.9 E	94	2776.85	-44.05	94.34	64.92	114.52	34.54	1.45	-1.45	0.78	2
Velocity	2951	2879	6.77	35.35	N 35.4 E	95	2871.01	-49.55	105.09	71.44	127.07	34.21	2.06	-1.79	7.80	2
Velocity	3046	2974	6.34	40.23	N 40.2 E	95	2965.39	-53.16	113.66	78.07	137.89	34.48	0.74	-0.45	5.14	2
Velocity	3235	3163	7.04	39.38	N 39.4 E	189	3153.10	-59.73	130.58	92.16	159.83	35.21	0.37	0.37	-0.45	2
Velocity	3329	3257	6.37	37.01	N 37.0 E	94	3246.46	-63.29	139.20	98.95	170.78	35.41	0.77	-0.71	-2.52	2
Velocity	3424	3352	6.63	35.30	N 35.3 E	95	3340.85	-67.15	147.88	105.29	181.54	35.45	0.34	0.27	-1.80	2
Velocity	3518	3446	7.35	38.99	N 39.0 E	94	3434.15	-71.04	156.98	112.21	192.96	35.56	0.90	0.77	3.93	2

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Velocity	3613	3541	6.86	34.72	N 34.7 E	95	3528.42	-75.10	166.37	119.27	204.70	35.64	0.76	-0.52	-4.49	2
Velocity	3708	3636	8.23	33.11	N 33.1 E	95	3622.59	-80.04	176.73	126.21	217.17	35.53	1.46	1.44	-1.69	2
Velocity	3802	3730	8.37	36.04	N 36.0 E	94	3715.61	-85.25	187.90	133.91	230.73	35.48	0.47	0.15	3.12	2
Velocity	3896	3824	7.57	36.68	N 36.7 E	94	3808.70	-89.88	198.39	141.64	243.77	35.52	0.86	-0.85	0.68	2
Velocity	3991	3919	7.92	39.32	N 39.3 E	95	3902.84	-94.07	208.48	149.52	256.55	35.65	0.53	0.37	2.78	2
Velocity	4090	4018	7.56	42.23	N 42.2 E	99	4000.93	-97.84	218.57	158.22	269.83	35.90	0.54	-0.36	2.94	2
Velocity	4184	4112	8.19	36.10	N 36.1 E	94	4094.05	-101.84	228.56	166.32	282.67	36.04	1.12	0.67	-6.52	2
Velocity	4279	4207	9.40	32.14	N 32.1 E	95	4187.93	-107.55	240.60	174.44	297.18	35.94	1.42	1.27	-4.17	2
Velocity	4375	4303	9.91	37.04	N 37.0 E	96	4282.57	-113.71	253.83	183.59	313.26	35.88	1.01	0.53	5.10	2
Velocity	4470	4398	9.85	36.89	N 36.9 E	95	4376.16	-119.34	266.86	193.39	329.56	35.93	0.07	-0.06	-0.16	2
Velocity	4565	4493	9.59	38.16	N 38.2 E	95	4469.80	-124.73	279.58	203.15	345.59	36.00	0.35	-0.27	1.34	2
Velocity	4659	4587	9.63	39.86	N 39.9 E	94	4562.48	-129.62	291.77	213.03	361.26	36.13	0.30	0.04	1.81	2
Velocity	4754	4682	10.47	41.96	N 42.0 E	95	4656.02	-134.24	304.29	223.90	377.78	36.35	0.96	0.88	2.21	2
Velocity	4849	4777	9.56	40.16	N 40.2 E	95	4749.57	-138.81	316.74	234.76	394.25	36.54	1.01	-0.96	-1.89	2
Velocity	4944	4872	9.08	34.14	N 34.1 E	95	4843.32	-144.05	328.97	244.05	409.61	36.57	1.14	-0.51	-6.34	2
Velocity	5039	4967	9.10	52.57	N 52.6 E	95	4937.15	-147.58	339.74	254.22	424.33	36.81	3.05	0.02	19.40	2
Velocity	5134	5062	8.56	63.48	N 63.5 E	95	5031.03	-147.41	347.47	266.52	437.91	37.49	1.85	-0.57	11.48	2
Velocity	5228	5156	8.65	39.34	N 39.3 E	94	5124.00	-148.80	356.06	277.26	451.28	37.91	3.82	0.10	-25.68	2
Velocity	5323	5251	9.31	31.98	N 32.0 E	95	5217.84	-154.25	368.10	285.86	466.06	37.83	1.39	0.69	-7.75	2
Velocity	5418	5346	9.09	31.94	N 31.9 E	95	5311.62	-160.72	380.99	293.90	481.18	37.65	0.23	-0.23	-0.04	2
Velocity	5512	5440	8.89	31.64	N 31.6 E	94	5404.46	-167.01	393.47	301.64	495.79	37.47	0.22	-0.21	-0.32	2
Velocity	5607	5535	9.42	38.62	N 38.6 E	95	5498.25	-172.65	405.80	310.34	510.87	37.41	1.29	0.56	7.35	2
Velocity	5702	5630	8.09	41.72	N 41.7 E	95	5592.15	-176.90	416.86	319.64	525.31	37.48	1.48	-1.40	3.26	2
Velocity	5798	5726	7.32	44.35	N 44.4 E	96	5687.28	-180.06	426.28	328.41	538.12	37.61	0.88	-0.80	2.74	2
Velocity	5892	5820	6.95	43.70	N 43.7 E	94	5780.55	-182.71	434.67	336.53	549.72	37.75	0.40	-0.39	-0.69	2
Velocity	5990	5918	6.33	32.31	N 32.3 E	98	5877.90	-186.36	443.52	343.51	561.00	37.76	1.48	-0.63	-11.62	2
Velocity	6085	6013	6.90	40.79	N 40.8 E	95	5972.27	-190.17	452.27	350.04	571.91	37.74	1.19	0.60	8.93	2
Velocity	6274	6202	7.14	44.24	N 44.2 E	189	6159.85	-195.99	469.28	365.65	594.92	37.92	0.26	0.13	1.83	2
Velocity	6369	6297	7.43	31.33	N 31.3 E	95	6254.09	-199.99	478.76	372.97	606.89	37.92	1.75	0.31	-13.59	2
Velocity	6463	6391	7.68	21.23	N 21.2 E	94	6347.28	-206.32	489.81	378.40	618.95	37.69	1.44	0.27	-10.74	2
Velocity	6558	6486	8.19	18.30	N 18.3 E	95	6441.37	-214.29	502.15	382.82	631.43	37.32	0.69	0.54	-3.08	2
Velocity	6653	6581	6.77	27.44	N 27.4 E	95	6535.56	-221.32	513.54	387.53	643.35	37.04	1.95	-1.49	9.62	2
Velocity	6748	6676	6.33	38.13	N 38.1 E	95	6629.94	-225.80	522.63	393.34	654.11	36.97	1.36	-0.46	11.25	2
Velocity	6842	6770	6.56	37.42	N 37.4 E	94	6723.35	-229.30	530.97	399.81	664.66	36.98	0.26	0.24	-0.76	2
Velocity	6937	6865	7.23	34.30	N 34.3 E	95	6817.66	-233.46	540.22	406.47	676.06	36.96	0.81	0.71	-3.28	2
Velocity	7032	6960	7.68	30.40	N 30.4 E	95	6911.86	-238.64	550.63	413.05	688.34	36.88	0.71	0.47	-4.11	2
Velocity	7127	7055	8.30	26.31	N 26.3 E	95	7005.94	-245.01	562.26	419.31	701.39	36.71	0.89	0.65	-4.31	2
Velocity	7317	7245	7.76	28.05	N 28.1 E	180	7194.08	-258.29	585.87	431.42	727.57	36.37	0.31	-0.28	0.92	2
Velocity	7411	7339	7.36	30.18	N 30.2 E	94	7287.26	-264.11	596.68	437.43	739.84	36.25	0.52	-0.43	2.27	2
Velocity	7506	7434	5.99	35.52	N 35.5 E	95	7381.61	-268.69	605.97	443.37	750.85	36.19	1.58	-1.44	5.62	2
Velocity	7601	7529	5.99	32.83	N 32.8 E	95	7476.09	-272.56	614.17	448.93	760.75	36.17	0.30	0.00	-2.83	2
Velocity	7696	7624	6.19	36.45	N 36.5 E	95	7570.56	-276.42	622.46	454.66	770.82	36.15	0.46	0.21	3.81	2
Velocity	7790	7718	6.74	37.55	N 37.6 E	94	7663.96	-280.06	630.91	461.04	781.41	36.16	0.60	0.59	1.17	2

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Velocity	7885	7813	8.60	34.54	N 34.5 E	95	7758.11	-284.67	641.18	468.46	794.08	36.15	2.00	1.96	-3.17	2
Velocity	7980	7908	8.41	35.26	N 35.3 E	95	7852.06	-289.99	652.70	476.50	808.13	36.13	0.23	-0.20	0.76	2
Velocity	8075	8003	7.46	41.01	N 41.0 E	95	7946.15	-294.29	663.03	484.56	821.22	36.16	1.30	-1.00	6.05	2
Velocity	8169	8097	6.84	44.31	N 44.3 E	94	8039.42	-297.24	671.64	492.47	832.84	36.25	0.79	-0.66	3.51	2
Velocity	8355	8283	8.81	41.39	N 41.4 E	186	8223.68	-303.57	690.25	509.63	858.00	36.44	1.08	1.06	-1.57	3
Velocity	8450	8378	9.74	40.34	N 40.3 E	95	8317.44	-307.87	701.83	519.64	873.27	36.52	0.99	0.98	-1.11	3
Velocity	8545	8473	8.60	41.28	N 41.3 E	95	8411.22	-312.14	713.30	529.53	888.37	36.59	1.21	-1.20	0.99	3
Velocity	8640	8568	7.30	42.27	N 42.3 E	95	8505.31	-315.64	723.10	538.27	901.45	36.66	1.38	-1.37	1.04	3
Velocity	8734	8662	6.47	36.85	N 36.9 E	94	8598.63	-319.01	731.76	545.47	912.69	36.70	1.12	-0.88	-5.77	3
Velocity	8830	8758	6.99	29.44	N 29.4 E	96	8693.97	-323.61	741.18	551.58	923.90	36.66	1.05	0.54	-7.72	3
Velocity	8924	8852	7.91	33.48	N 33.5 E	94	8787.18	-328.86	751.55	557.96	936.03	36.59	1.13	0.98	4.30	3
Velocity	9020	8948	8.27	42.42	N 42.4 E	96	8882.22	-333.27	762.16	566.26	949.50	36.61	1.36	0.37	9.31	3
Velocity	9209	9137	8.44	45.92	N 45.9 E	189	9069.22	-339.44	781.84	585.40	976.71	36.82	0.28	0.09	1.85	3
Velocity	9304	9232	9.78	43.71	N 43.7 E	95	9163.02	-342.67	792.52	595.98	991.61	36.94	1.46	1.41	-2.33	3
Velocity	9414	9340	9.22	45.18	N 45.2 E	108	9269.54	-346.60	805.25	608.46	1009.28	37.08	0.57	-0.52	1.36	4
Velocity	9461	9387	10.52	45.56	N 45.6 E	47	9315.84	-348.25	810.91	614.19	1017.26	37.14	2.77	2.77	0.81	4
Velocity	9508	9434	12.23	57.35	N 57.4 E	47	9361.92	-349.09	816.60	621.45	1026.18	37.27	6.12	3.64	25.09	4
Velocity	9555	9481	14.92	75.24	N 75.2 E	47	9407.63	-347.20	820.83	631.50	1035.64	37.57	10.55	5.72	38.06	4
Velocity	9603	9529	17.21	90.24	S 89.8 E	48	9453.77	-341.40	822.38	644.58	1044.89	38.09	9.84	4.77	31.25	4
Velocity	9650	9576	18.25	104.23	S 75.8 E	47	9498.56	-332.21	820.54	658.67	1052.21	38.76	9.31	2.21	29.77	4
Velocity	9698	9624	18.56	119.35	S 60.7 E	48	9544.13	-319.95	814.94	672.63	1056.67	39.54	9.94	0.65	31.50	4
Velocity	9745	9671	19.80	132.55	S 47.5 E	47	9588.54	-305.62	805.89	685.02	1057.69	40.36	9.57	2.64	28.09	4
Velocity	9793	9719	22.53	141.19	S 38.8 E	48	9633.31	-288.60	793.22	696.77	1055.79	41.30	8.62	5.69	18.00	4
Velocity	9839	9765	24.77	144.49	S 35.5 E	46	9675.44	-270.20	778.51	707.90	1052.23	42.28	5.65	4.87	7.17	4
Velocity	9888	9814	28.01	144.11	S 35.9 E	49	9719.33	-248.46	760.83	720.61	1047.92	43.44	6.62	6.61	-0.78	4
Velocity	9935	9861	31.62	145.06	S 34.9 E	47	9760.10	-225.11	741.78	734.14	1043.65	44.70	7.75	7.68	2.02	4
Velocity	9982	9908	32.46	147.76	S 32.2 E	47	9799.95	-200.19	721.01	747.92	1038.87	46.05	3.53	1.79	5.74	4
Velocity	10029	9955	35.13	151.47	S 28.5 E	47	9839.00	-174.08	698.45	761.12	1033.02	47.46	7.18	5.68	7.89	4
Velocity	10077	10003	38.35	153.56	S 26.4 E	48	9877.47	-145.51	672.98	774.35	1025.92	49.01	7.20	6.71	4.35	4
Velocity	10124	10050	41.68	153.65	S 26.4 E	47	9913.46	-115.48	645.91	787.78	1018.72	50.65	7.09	7.09	0.19	4
Velocity	10172	10098	44.88	153.79	S 26.2 E	48	9948.40	-82.79	616.41	802.34	1011.79	52.47	6.67	6.67	0.29	4
Velocity	10197	10145	47.72	154.50	S 25.5 E	47	9980.87	-49.07	585.83	817.16	1005.46	54.36	6.14	6.04	1.51	5
Velocity	10245	10193	51.83	152.49	S 27.5 E	48	10011.86	-12.66	553.06	833.52	1000.32	56.44	9.14	8.56	-4.19	5
Velocity	10292	10240	57.68	150.08	S 29.7 E	47	10038.97	25.61	519.39	851.92	997.77	58.63	13.02	12.45	-4.70	5
Velocity	10340	10288	63.27	151.06	S 28.9 E	48	10062.62	67.28	482.97	872.34	997.12	61.03	11.75	11.65	1.79	5
Velocity	10387	10335	68.89	151.76	S 28.2 E	47	10081.67	110.10	445.25	892.86	997.72	63.50	12.02	11.96	1.32	5
Velocity	10435	10383	74.66	152.25	S 27.8 E	48	10096.67	155.51	405.01	914.25	999.94	66.11	12.06	12.02	1.02	5
Velocity	10482	10430	80.10	152.20	S 27.3 E	47	10106.94	201.16	364.35	935.43	1003.89	68.72	11.61	11.57	0.96	5
Velocity	10530	10478	82.57	152.18	S 27.8 E	48	10114.17	248.41	322.28	957.39	1010.18	71.40	5.26	5.15	-1.08	5
Velocity	10577	10525	86.34	152.69	S 27.3 E	47	10118.71	294.98	280.82	979.03	1018.51	74.00	8.09	8.02	1.09	5
Velocity	10625	10573	92.06	153.57	S 26.4 E	48	10119.38	342.70	238.03	1000.71	1028.63	76.62	12.06	11.92	1.83	5
Velocity	10720	10668	90.79	154.45	S 25.6 E	95	10117.02	436.98	152.66	1042.33	1053.45	81.67	1.63	-1.34	0.93	5
Velocity	10814	10762	89.68	154.37	S 25.6 E	94	10116.63	530.23	67.89	1082.93	1085.06	86.41	1.18	-1.18	-0.09	5



Velocity	10932	10858	88.96	156.43	S 23.6 E	96	10117.77	625.23	-19.39	1122.89	1123.06	90.99	2.27	-0.75	2.15	6
Velocity	11027	10953	88.71	156.40	S 23.6 E	95	10119.70	718.97	-106.44	1160.89	1165.76	95.24	0.27	-0.26	-0.03	6
Velocity	11121	11047	88.22	157.28	S 22.7 E	94	10122.22	811.60	-192.83	1197.85	1213.27	99.14	1.07	-0.52	0.94	6
Velocity	11215	11141	87.59	157.22	S 22.8 E	94	10125.66	904.08	-279.46	1234.17	1265.42	102.76	0.67	-0.67	-0.06	6
Velocity	11310	11236	87.48	157.13	S 22.9 E	95	10129.74	997.55	-366.94	1270.99	1322.90	106.10	0.15	-0.12	-0.09	6
Velocity	11405	11331	88.04	156.35	S 23.7 E	95	10133.46	1091.15	-454.15	1308.48	1385.05	109.14	1.01	0.59	-0.82	6
Velocity	11500	11426	88.13	156.39	S 23.6 E	95	10136.63	1184.87	-541.13	1346.54	1451.20	111.89	0.10	0.09	0.04	6
Velocity	11596	11522	87.90	155.09	S 24.9 E	96	10139.96	1279.74	-628.60	1385.96	1521.85	114.40	1.37	-0.24	-1.35	6
Velocity	11690	11616	86.99	152.74	S 27.3 E	94	10144.15	1372.99	-712.94	1427.24	1595.40	116.54	2.68	-0.97	-2.50	6
Velocity	11785	11711	86.88	152.34	S 27.7 E	95	10149.23	1467.43	-797.11	1470.99	1673.08	118.45	0.44	-0.12	-0.42	6
Velocity	11880	11806	89.58	151.91	S 28.1 E	95	10152.16	1562.02	-881.04	1515.38	1752.89	120.17	2.88	2.84	-0.45	6
Velocity	11975	11901	90.49	151.60	S 28.4 E	95	10152.10	1656.72	-964.73	1560.34	1834.49	121.73	1.01	0.96	-0.33	6
Velocity	12070	11996	90.53	150.97	S 29.0 E	95	10151.26	1751.47	-1048.04	1605.98	1917.70	123.13	0.66	0.04	-0.66	6
Velocity	12164	12090	89.67	151.72	S 28.3 E	94	10151.09	1845.21	-1130.53	1651.05	2001.02	124.40	1.21	-0.91	0.80	6
Velocity	12259	12185	88.33	152.40	S 27.6 E	95	10152.75	1939.85	-1214.44	1695.56	2085.61	125.61	1.58	-1.41	0.72	6
Velocity	12354	12280	86.85	151.76	S 28.2 E	95	10156.74	2034.41	-1298.30	1740.00	2170.99	126.73	1.70	-1.56	-0.67	6
Velocity	12448	12374	86.40	150.66	S 29.3 E	94	10162.28	2128.01	-1380.54	1785.19	2256.72	127.72	1.26	-0.48	-1.17	6
Velocity	12543	12469	86.68	150.53	S 29.5 E	95	10168.01	2222.67	-1463.15	1831.75	2344.38	128.62	0.32	0.29	-0.14	6
Velocity	12638	12564	86.91	150.56	S 29.4 E	95	10173.32	2317.36	-1545.74	1878.39	2432.63	129.45	0.24	0.24	0.03	6
Velocity	12732	12658	86.91	152.25	S 27.8 E	94	10178.39	2410.96	-1628.15	1923.31	2519.92	130.25	1.80	0.00	1.80	6
Velocity	12827	12753	85.58	152.22	S 27.8 E	95	10184.61	2505.38	-1712.03	1967.47	2608.06	131.03	1.40	-1.40	-0.03	6
Velocity	12922	12848	85.66	152.76	S 27.2 E	95	10191.87	2599.69	-1796.05	2011.22	2696.44	131.77	0.57	0.08	0.57	6
Velocity	13017	12943	85.75	152.35	S 27.7 E	95	10198.98	2694.01	-1880.12	2054.89	2785.21	132.46	0.44	0.09	-0.43	6
Velocity	13112	13038	86.22	152.40	S 27.6 E	95	10205.63	2788.38	-1964.08	2098.83	2874.49	133.10	0.50	0.49	0.05	6
Velocity	13206	13132	87.25	152.56	S 27.4 E	94	10210.99	2881.82	-2047.31	2142.19	2963.18	133.70	1.11	1.10	0.17	6
Velocity	13300	13226	87.54	152.19	S 27.8 E	94	10215.26	2975.34	-2130.51	2185.73	3052.29	134.27	0.50	0.31	-0.39	6
Velocity	13395	13321	87.14	151.54	S 28.5 E	95	10219.67	3069.91	-2214.19	2230.48	3142.88	134.79	0.80	-0.42	-0.68	6
Velocity	13490	13416	87.40	151.11	S 28.9 E	95	10224.19	3164.55	-2297.44	2276.01	3233.96	135.27	0.53	0.27	-0.45	6
Velocity	13584	13510	87.70	150.88	S 29.1 E	94	10228.21	3258.26	-2379.58	2321.55	3324.45	135.71	0.40	0.32	-0.24	6
Velocity	13680	13606	87.64	151.27	S 28.7 E	96	10232.11	3353.95	-2463.53	2367.94	3417.04	136.13	0.41	-0.06	0.41	6
Velocity	13775	13701	87.85	151.55	S 28.5 E	95	10235.85	3448.62	-2546.88	2413.37	3508.70	136.54	0.37	0.22	0.29	6
Velocity	13800	13740	88.22	151.60	S 29.0 E	39	10237.19	3487.50	-2581.06	2432.10	3546.41	136.70	1.70	0.95	-1.41	7
Velocity	13894	13834	89.52	151.37	S 28.6 E	94	10239.04	3581.24	-2663.41	2477.40	3637.48	137.07	1.44	1.38	0.39	7
Velocity	13990	13930	88.85	153.66	S 26.3 E	96	10240.41	3676.81	-2748.56	2521.68	3730.08	137.47	2.51	-0.70	2.41	7
Velocity	14084	14024	87.76	154.33	S 25.6 E	94	10243.19	3770.09	-2833.04	2562.82	3820.23	137.87	1.38	-1.16	0.76	7
Velocity	14179	14119	85.49	153.65	S 26.4 E	95	10248.78	3864.24	-2918.27	2604.39	3911.41	138.25	2.53	-2.39	-0.83	7
Velocity	14273	14213	87.30	153.42	S 26.6 E	94	10254.69	3957.48	-3002.23	2646.24	4001.99	138.61	1.93	1.93	-0.19	7
Velocity	14368	14308	87.20	153.65	S 26.4 E	95	10259.25	4051.79	-3087.15	2688.56	4093.76	138.95	0.22	-0.11	0.19	7
Velocity	14463	14403	89.47	154.84	S 25.2 E	95	10262.01	4146.02	-3172.66	2729.86	4185.44	139.29	2.72	2.39	1.31	7
Velocity	14557	14497	89.38	155.26	S 24.7 E	94	10262.95	4239.12	-3257.88	2769.51	4275.97	139.63	0.46	-0.10	0.45	7
Velocity	14652	14592	90.33	154.44	S 25.6 E	95	10263.19	4333.27	-3343.87	2809.88	4367.71	139.96	1.32	1.00	-0.86	7
Velocity	14747	14687	90.58	154.60	S 25.4 E	95	10262.44	4427.48	-3429.63	2850.75	4459.72	140.27	0.31	0.26	0.17	7
Velocity	14842	14782	89.99	154.60	S 25.4 E	95	10261.97	4521.68	-3515.44	2891.50	4551.82	140.56	0.62	-0.62	0.00	7

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Velocity	14936	14876	89.88	153.67	S 26.3 E	94	10262.07	4614.98	-3600.03	2932.50	4643.25	140.83	1.00	-0.12	-0.99	7
Velocity	15031	14971	89.50	153.27	S 26.7 E	95	10262.59	4709.40	-3685.02	2974.94	4735.99	141.09	0.58	-0.40	-0.42	7
Velocity	15126	15066	89.81	152.25	S 27.8 E	95	10263.16	4803.95	-3769.48	3018.42	4829.06	141.31	1.12	0.33	-1.07	7
Velocity	15221	15161	89.25	154.16	S 25.8 E	95	10263.94	4898.41	-3854.28	3061.24	4922.06	141.54	2.10	-0.59	2.01	7
Velocity	15316	15256	89.36	153.30	S 26.7 E	95	10265.09	4992.78	-3939.46	3103.28	5014.95	141.77	0.91	0.12	-0.91	7
Velocity	15411	15351	89.32	153.94	S 26.1 E	95	10266.19	5087.17	-4024.56	3145.49	5107.95	141.99	0.67	-0.04	0.67	7
Velocity	15506	15446	89.13	153.77	S 26.2 E	95	10267.47	5181.51	-4109.83	3187.35	5200.95	142.20	0.27	-0.20	-0.18	7
Velocity	15601	15541	88.78	153.64	S 26.4 E	95	10269.20	5275.88	-4194.98	3229.43	5294.06	142.41	0.39	-0.37	-0.14	7
Velocity	15695	15635	90.70	154.23	S 25.8 E	94	10269.63	5369.22	-4279.42	3270.73	5386.19	142.61	2.14	2.04	0.63	7
Velocity	15790	15730	90.81	154.40	S 25.6 E	95	10268.38	5463.47	-4365.03	3311.90	5479.24	142.81	0.21	0.12	0.18	7
Velocity	15884	15824	91.33	154.58	S 25.4 E	94	10266.62	5556.68	-4449.85	3352.37	5571.31	143.01	0.59	0.55	0.19	7
Velocity	15979	15919	91.09	155.30	S 24.7 E	95	10264.62	5650.79	-4535.88	3392.60	5664.27	143.21	0.80	-0.25	0.76	7
Velocity	16074	16014	90.76	155.00	S 25.0 E	95	10263.08	5744.85	-4622.08	3432.52	5757.24	143.40	0.47	-0.35	-0.32	7
Velocity	16168	16108	90.64	154.66	S 25.3 E	94	10261.93	5838.00	-4707.14	3472.50	5849.40	143.58	0.38	-0.13	-0.36	7
Velocity	16262	16202	90.28	155.40	S 24.6 E	94	10261.18	5931.12	-4792.35	3512.18	5941.55	143.76	0.88	-0.38	0.79	7
Velocity	16357	16297	89.85	153.41	S 26.6 E	95	10261.07	6025.35	-4878.03	3553.22	6034.94	143.93	2.14	-0.45	-2.09	7
Velocity	16452	16392	89.48	151.40	S 28.6 E	95	10261.63	6119.95	-4962.21	3597.22	6128.91	144.06	2.15	-0.39	-2.12	7
Velocity	16547	16487	89.27	151.95	S 28.1 E	95	10262.66	6214.65	-5045.84	3642.29	6223.08	144.18	0.62	-0.22	0.58	7
Velocity	16642	16582	88.98	152.53	S 27.5 E	95	10264.11	6309.26	-5129.89	3686.53	6317.14	144.30	0.68	-0.31	0.61	7
Velocity	16737	16677	88.96	153.19	S 26.8 E	95	10265.82	6403.78	-5214.42	3729.86	6411.08	144.42	0.69	-0.02	0.69	7
Velocity	16833	16773	88.68	152.38	S 27.6 E	96	10267.80	6499.29	-5299.77	3773.76	6506.06	144.55	0.89	-0.29	-0.84	7
Velocity	17023	16963	89.72	152.45	S 27.6 E	190	10270.45	6688.47	-5468.15	3861.73	6694.30	144.77	0.55	0.55	0.04	7
Velocity	17117	17057	90.68	151.87	S 28.1 E	94	10270.12	6782.11	-5551.27	3905.63	6787.53	144.87	1.19	1.02	-0.62	7
Velocity	17212	17152	90.32	151.68	S 28.3 E	95	10269.30	6876.80	-5634.97	3950.55	6881.84	144.97	0.43	-0.38	-0.20	7
Velocity	17307	17247	90.13	151.14	S 28.9 E	95	10268.92	6971.54	-5718.39	3996.01	6976.25	145.05	0.60	-0.20	-0.57	7
Velocity	17402	17342	89.73	151.44	S 28.6 E	95	10269.04	7066.29	-5801.71	4041.65	7070.70	145.14	0.53	-0.42	0.32	7
Velocity	17497	17437	89.13	151.69	S 28.3 E	95	10269.98	7161.01	-5885.24	4086.88	7165.10	145.22	0.68	-0.63	0.26	7
Velocity	17592	17532	88.02	151.40	S 28.6 E	95	10272.35	7255.70	-5968.74	4132.13	7259.50	145.31	1.21	-1.17	-0.31	7
Velocity	17687	17627	87.98	151.75	S 28.3 E	95	10275.66	7350.36	-6052.23	4177.32	7353.88	145.39	0.37	-0.04	0.37	7
Velocity	17782	17722	88.15	152.23	S 27.8 E	95	10278.87	7444.97	-6136.06	4221.91	7448.21	145.47	0.54	0.18	0.51	7
Velocity	17876	17816	88.07	152.34	S 27.7 E	94	10281.97	7538.54	-6219.23	4265.61	7541.50	145.55	0.14	-0.09	0.12	7
Velocity	17971	17911	87.71	152.06	S 27.9 E	95	10285.47	7633.11	-6303.21	4309.88	7635.80	145.64	0.48	-0.38	-0.29	7
Velocity	18066	18006	87.45	152.53	S 27.5 E	95	10289.48	7727.64	-6387.24	4354.01	7730.09	145.72	0.57	-0.27	0.49	7
Velocity	18160	18100	89.39	152.46	S 27.5 E	94	10292.07	7821.19	-6470.58	4397.40	7823.40	145.80	2.07	2.06	-0.07	7
Velocity	18255	18195	89.53	153.13	S 26.5 E	95	10292.97	7915.73	-6555.07	4440.83	7917.69	145.88	0.72	0.15	0.71	7
Velocity	18348	18288	88.62	153.70	S 29.3 E	93	10294.47	8008.39	-6637.10	4484.61	8010.17	145.95	2.79	-0.98	-2.61	7
Velocity	18443	18383	89.98	153.10	S 30.3 E	95	10295.63	8103.27	-6719.28	4532.24	8104.93	146.00	2.21	1.43	-1.68	7
Velocity	18538	18478	90.84	151.14	S 28.9 E	95	10294.95	8198.13	-6801.64	4579.57	8199.68	146.05	2.33	0.91	2.15	7
Velocity	18632	18572	90.87	150.93	S 29.1 E	94	10293.55	8291.91	-6883.87	4625.08	8293.32	146.10	0.23	0.03	-0.22	7
Velocity	18727	18667	89.28	151.99	S 28.0 E	95	10293.42	8386.64	-6967.33	4670.47	8387.90	146.16	2.01	-1.67	1.12	7
Velocity	18822	18762	89.41	151.65	S 28.4 E	95	10294.51	8481.32	-7051.06	4715.33	8482.44	146.23	0.38	0.14	-0.36	7
Velocity	18917	18857	88.87	153.09	S 26.9 E	95	10295.93	8575.91	-7135.21	4759.38	8576.89	146.30	1.62	-0.57	1.52	7
Last Svy	18986	18926	88.70	153.22	S 26.8 E	69	10297.40	8644.52	-7196.76	4790.53	8645.38	146.35	0.31	-0.25	0.19	7

Projection	18986	18986	88.70	153.22	S 26.8 E	60	10298.76	8704.17	-7250.31	4817.56	8704.94	146.40	0.00	0.00	0.00	7
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