Jay-Bee Oil & Gas

API	4709502852
PAD	RPT8
WELL	6
KB ELEV	1260.4
GL ELEV	1246

FORMATION	TVD DEPTH @ KB ELEV TOP	BASE	SS TOP	SS BASE	GL TOP	GL BASE
CARROLL SAND	635	659	625	601	621	645
MURPHY SAND	768	830	492	430	754	816
COW RUN SANDS	922	1121	338	139	908	1107
LITTLE DUNKARD SAND	1364	1372	-104	-112	1350	1358
DUNKARD SAND	1448	1468	-188	-208	1434	1454
GAS SAND	1530	1570	-270	-310	1516	1556
1ST SALT SAND	1684	1699	-424	-439	1670	1685
2ND SALT SAND	1763	1776	-503	-516	1749	1762
3RD SALT SAND	1843	1875	-583	-615	1829	1861
LITTLE LIME	2092	2112	-832	-852	2078	2098
PENCIL CAVE	2112	2128	-852	-868	2098	2114
BIG LIME	2128	2204	-868	-944	2114	2190
BIG INJUN SAND	2204	2417	-944	-1157	2190	2403
WEIR SAND	2561	2633	-1301	-1373	2547	2619
BEREA SAND	2756	2773	-1496	-1513	2742	2759
GORDON SAND	2989	3013	-1729	-1753	2975	2999
ELIZABETH	3680	3715	-2420	-2455	3666	3701
WARREN	3732	3773	-2472	-2513	3718	3759
RILEY	4869	5116	-3609	-3856	4855	5102
BENSON	5310	5312	-4050	-4052	5296	5298
ALEXANDER	5544	5583	-4284	-4323	5530	5569
THREE GR MARKER	6363	6411	-5103	-5151	6349	6397
BURKETT	6787	6821	-5527	-5561	6773	6807
TULLY LIMESTONE	6821	6823	-5561	-5563	6807	6809
HAMILTON SHALE	6823	6873	-5563	-5613	6809	6859
MARCELLUS	6873		-5613		6859	

PHOENIX TECHNOLOGY SERVICES

Company: Jay Bee Oil & Gas
Well: RPT 8-5
Location: Tyler Co., WV
Rig: Precision 823
API No: 47-095-02851-0000
Start Date: 09/15/23 Start Depth: 435

Job Number: 72789
Magnetic Declination: -7.695
Grid Correction: -0.82
Total Correction: -6.875
North reference: Grid
End Date:

Calculation Method: Minimum Curvature
Proposed Azimuth: 341.48
Depth Ref: RKB 1259.90 ft Plan # 8
Field: Appalachian
Location Lat/Long: 39.4831696 , -80.7860158
End Depth:

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	0.00	360.40	2.46	247.73	S 67.7 W	0	360.24	0.13	-0.03	-0.48	0	0	0	0	0	0
Gyro	426	426	1.66	229.50	S 49.5 W	66	425.80	-0.32	-1.18	-2.51	2.77	244.77	1.56	-1.22	-27.79	0
Gyro	470	470	1.12	218.13	S 38.1 W	44	469.78	-0.80	-1.93	-3.26	3.79	239.30	1.37	-1.23	-25.84	0
Gyro	510	510	0.88	197.28	S 17.3 W	40	509.78	-1.26	-2.53	-3.59	4.39	234.77	1.08	-0.60	-52.13	0
Gyro	558	558	0.76	183.34	S 3.3 W	48	557.77	-1.86	-3.20	-3.72	4.91	229.24	0.48	-0.25	-29.04	0
Gyro	603	603	0.77	168.62	S 11.4 E	45	602.77	-2.43	-3.80	-3.67	5.28	224.05	0.44	0.02	-32.71	0
Gyro	649	649	0.97	163.51	S 16.5 E	46	648.76	-3.13	-4.47	-3.50	5.68	218.05	0.47	0.43	-11.11	0
Gyro	693	693	1.14	173.73	S 6.3 E	44	692.76	-3.93	-5.27	-3.35	6.24	212.45	0.57	0.39	23.23	0
Gyro	738	738	1.19	173.79	S 6.2 E	45	737.75	-4.82	-6.18	-3.25	6.98	207.75	0.11	0.11	0.13	0
Gyro	783	783	1.21	183.15	S 3.2 W	45	782.74	-5.72	-7.11	-3.23	7.81	204.38	0.44	0.04	20.80	0
Gyro	850	850	1.33	195.20	S 15.2 W	67	849.72	-7.03	-8.57	-3.47	9.25	202.03	0.44	0.18	17.99	0
Gyro	872	872	1.38	194.36	S 14.4 W	22	871.72	-7.46	-9.07	-3.60	9.76	201.64	0.24	0.23	-3.82	0
Gyro	900	900	1.12	206.15	S 26.2 W	28	899.71	-7.94	-9.65	-3.80	10.37	201.52	1.30	-0.93	42.11	0
Gyro	950	950	1.03	209.04	S 29.0 W	50	949.70	-8.59	-10.48	-4.24	11.30	202.02	0.21	-0.18	5.78	0
Gyro	1000	1000	1.12	205.88	S 25.9 W	50	999.69	-9.24	-11.31	-4.67	12.24	202.43	0.22	0.18	-6.32	0
Gyro	1100	1100	0.70	200.12	S 20.1 W	100	1099.68	-10.42	-12.76	-5.31	13.82	202.57	0.43	-0.42	-5.76	0
Gyro	1200	1200	0.70	199.44	S 19.4 W	100	1199.67	-11.38	-13.91	-5.72	15.04	202.35	0.01	0.00	-0.68	0
Gyro	1300	1300	0.15	205.77	S 25.8 W	100	1299.67	-11.95	-14.61	-5.98	15.78	202.26	0.55	-0.55	6.33	0
Gyro	1400	1400	0.09	135.91	S 44.1 E	100	1399.67	-12.12	-14.78	-5.98	15.95	202.03	0.15	-0.06	-69.86	0
Gyro	1454	1454	0.15	91.02	S 89.0 E	54	1453.67	-12.18	-14.81	-5.88	15.94	201.66	0.20	0.11	-83.13	0
1st Svy	1603	1516	0.29	115.74	S 64.3 E	62	1515.67	-12.31	-14.88	-5.66	15.92	200.82	0.27	0.23	39.87	1
Velocity	1648	1561	0.32	118.31	S 61.7 E	45	1560.67	-12.49	-14.99	-5.45	15.95	199.97	0.07	0.07	5.71	1
Velocity	1692	1605	0.31	122.47	S 57.5 E	44	1604.67	-12.67	-15.11	-5.24	16.00	199.11	0.06	-0.02	9.45	1
Velocity	1737	1650	0.26	78.44	N 78.4 E	45	1649.66	-12.77	-15.16	-5.03	15.97	198.37	0.49	-0.11	-97.84	1
Velocity	1782	1695	0.42	52.92	N 52.9 E	45	1694.66	-12.73	-15.04	-4.80	15.79	197.71	0.48	0.36	-56.71	1
Velocity	1826	1739	0.48	25.08	N 25.1 E	44	1738.66	-12.55	-14.77	-4.60	15.47	197.28	0.51	0.14	-63.27	1
Velocity	1871	1784	0.51	23.65	N 23.7 E	45	1783.66	-12.26	-14.42	-4.44	15.09	197.10	0.07	0.07	-3.18	1
Velocity	1916	1829	0.55	14.33	N 14.3 E	45	1828.66	-11.93	-14.03	-4.30	14.67	197.05	0.21	0.09	-20.71	1
Velocity	1961	1874	0.53	8.39	N 8.4 E	45	1873.66	-11.57	-13.61	-4.22	14.25	197.22	0.13	-0.04	-13.20	1
Velocity	2006	1919	0.68	0.09	N 0.1 E	45	1918.65	-11.13	-13.14	-4.19	13.79	197.68	0.39	0.33	-18.44	1
Velocity	2050	1963	0.78	354.28	N 5.7 W	44	1962.65	-10.59	-12.58	-4.22	13.27	198.53	0.28	0.23	-13.20	1
Velocity	2095	2008	0.85	349.75	N 10.3 W	45	2007.65	-9.96	-11.95	-4.31	12.70	199.83	0.21	0.16	-10.07	1
Velocity	2140	2053	0.91	339.70	N 20.3 W	45	2052.64	-9.27	-11.28	-4.49	12.14	201.70	0.37	0.13	-22.33	1

Velocity	2184	2097	1.13	340.18	N 19.8 W	44	2096.63	-8.49	-10.55	-4.76	11.57	204.28	0.50	0.50	1.09	1
Velocity	2229	2142	1.20	343.46	N 16.5 W	45	2141.62	-7.58	-9.68	-5.04	10.91	207.52	0.21	0.16	7.29	1
Velocity	2274	2187	1.46	348.54	N 11.5 W	45	2186.61	-6.54	-8.67	-5.29	10.15	211.41	0.63	0.58	11.29	1
Velocity	2319	2232	1.33	350.12	N 9.9 W	45	2231.60	-5.45	-7.59	-5.50	9.37	215.91	0.30	-0.29	3.51	1
Velocity	2363	2276	1.15	355.27	N 4.7 W	44	2275.59	-4.52	-6.65	-5.62	8.70	220.21	0.48	-0.41	11.70	1
Velocity	2408	2321	1.11	358.00	N 2.0 W	45	2320.58	-3.66	-5.76	-5.67	8.08	224.56	0.15	-0.09	6.07	1
Velocity	2453	2366	1.09	5.73	N 5.7 E	45	2365.57	-2.85	-4.90	-5.64	7.47	229.04	0.33	-0.04	17.18	1
Velocity	2497	2410	1.12	2.59	N 2.6 E	44	2409.56	-2.07	-4.05	-5.58	6.90	234.02	0.15	0.07	-7.14	1
Velocity	2576	2498	1.33	5.28	N 5.3 E	88	2497.54	-0.33	-2.18	-5.45	5.87	248.23	0.25	0.24	3.06	2
Velocity	2667	2589	0.32	210.92	S 30.9 W	91	2588.54	0.47	-1.34	-5.48	5.65	256.24	1.79	-1.11	225.98	2
Velocity	2756	2678	0.76	201.79	S 21.8 W	89	2677.53	-0.14	-2.10	-5.83	6.20	250.15	0.50	0.49	-10.26	2
Velocity	2846	2768	0.45	194.97	S 15.0 W	90	2767.53	-0.89	-3.00	-6.14	6.84	243.97	0.35	-0.34	-7.58	2
Velocity	2936	2858	0.40	183.35	S 3.3 W	90	2857.52	-1.48	-3.66	-6.25	7.24	239.69	0.11	-0.06	-12.91	2
Velocity	3025	2947	0.32	171.60	S 8.4 E	89	2946.52	-2.01	-4.21	-6.23	7.52	235.96	0.12	-0.09	-13.20	2
Velocity	3115	3037	0.18	192.35	S 12.4 W	90	3036.52	-2.38	-4.60	-6.23	7.74	233.56	0.18	-0.16	23.06	2
Velocity	3204	3126	0.26	220.30	S 40.3 W	89	3125.52	-2.61	-4.89	-6.39	8.04	232.58	0.15	0.09	31.40	2
Velocity	3294	3216	0.25	234.10	S 54.1 W	90	3215.52	-2.77	-5.16	-6.68	8.44	232.32	0.07	-0.01	15.33	2
Velocity	3384	3306	1.07	51.87	N 51.9 E	90	3305.52	-2.55	-4.76	-6.18	7.80	232.41	1.47	0.91	-202.48	2
Velocity	3473	3395	1.09	60.97	N 61.0 E	89	3394.50	-2.11	-3.83	-4.78	6.13	231.31	0.19	0.02	10.22	2
Velocity	3562	3484	1.37	48.71	N 48.7 E	89	3483.48	-1.55	-2.72	-3.24	4.23	230.04	0.43	0.31	-13.78	2
Velocity	3652	3574	1.21	46.69	N 46.7 E	90	3573.46	-0.73	-1.36	-1.74	2.21	232.12	0.18	-0.18	-2.24	2
Velocity	3742	3664	0.78	41.06	N 41.1 E	90	3663.44	-0.02	-0.24	-0.65	0.69	249.50	0.49	-0.48	-6.26	2
Velocity	3831	3753	0.45	202.86	S 22.9 W	89	3752.44	0.02	-0.11	-0.39	0.40	254.38	1.37	-0.37	181.80	2
Velocity	3920	3842	0.96	217.03	S 37.0 W	89	3841.43	-0.66	-1.03	-0.97	1.41	223.49	0.60	0.57	15.92	2
Velocity	4010	3932	0.76	220.42	S 40.4 W	90	3931.42	-1.40	-2.08	-1.81	2.76	221.07	0.23	-0.22	3.77	2
Velocity	4099	4021	0.75	225.04	S 45.0 W	89	4020.42	-1.96	-2.94	-2.61	3.93	221.56	0.07	-0.01	5.19	2
Velocity	4189	4111	0.59	217.06	S 37.1 W	90	4110.41	-2.49	-3.73	-3.31	4.98	221.55	0.21	-0.18	-8.87	2
Velocity	4278	4200	0.48	214.90	S 34.9 W	89	4199.41	-2.97	-4.40	-3.79	5.81	220.77	0.13	-0.12	-2.43	2
Velocity	4368	4290	0.50	224.95	S 45.0 W	90	4289.40	-3.37	-4.99	-4.29	6.58	220.69	0.10	0.02	11.17	2
Velocity	4457	4379	0.62	213.62	S 33.6 W	89	4378.40	-3.84	-5.66	-4.83	7.44	220.45	0.18	0.13	-12.73	2
Velocity	4547	4469	0.56	215.03	S 35.0 W	90	4468.39	-4.40	-6.43	-5.35	8.36	219.77	0.07	-0.07	1.57	2
Velocity	4636	4558	0.41	216.88	S 36.9 W	89	4557.39	-4.84	-7.04	-5.79	9.12	219.44	0.17	-0.17	2.08	2
Velocity	4726	4648	0.23	213.53	S 33.5 W	90	4647.39	-5.13	-7.45	-6.08	9.62	219.25	0.20	-0.20	-3.72	2
Velocity	4815	4737	0.30	244.19	S 64.2 W	89	4736.39	-5.27	-7.70	-6.39	10.01	219.71	0.17	0.08	34.45	2
Velocity	4904	4826	0.27	255.32	S 75.3 W	89	4825.39	-5.28	-7.85	-6.81	10.39	220.91	0.07	-0.03	12.51	2
Velocity	4994	4916	0.43	285.67	N 74.3 W	90	4915.38	-5.08	-7.82	-7.34	10.72	223.19	0.27	0.18	33.72	2
Velocity	5083	5005	1.85	258.56	S 78.6 W	89	5004.37	-4.72	-8.01	-9.07	12.10	228.54	1.66	1.60	-30.46	2
Velocity	5173	5095	3.40	262.50	S 82.5 W	90	5094.27	-4.03	-8.65	-13.14	15.73	236.64	1.73	1.72	4.38	2
Velocity	5264	5186	4.44	268.52	S 88.5 W	91	5185.05	-2.48	-9.09	-19.33	21.36	244.82	1.23	1.14	6.62	2
Velocity	5354	5276	5.28	266.30	S 86.3 W	90	5274.73	-0.40	-9.45	-26.95	28.56	250.68	0.96	0.93	-2.47	2
Velocity	5443	5365	5.06	263.11	S 83.1 W	89	5363.37	1.44	-10.18	-34.93	36.38	253.75	0.41	-0.25	-3.58	2
Velocity	5533	5455	4.43	258.87	S 78.9 W	90	5453.06	2.69	-11.33	-42.28	43.77	255.00	0.80	-0.70	-4.71	2
Velocity	5622	5544	4.78	263.86	S 83.9 W	89	5541.77	3.92	-12.39	-49.34	50.87	255.90	0.60	0.39	5.61	2

Velocity	5712	5634	5.53	269.48	S 89.5 W	90	5631.41	6.07	-12.83	-57.41	58.82	257.40	1.00	0.83	6.24	2
Velocity	5801	5723	5.06	268.84	S 88.8 W	89	5720.03	8.56	-12.95	-65.62	66.88	258.84	0.53	-0.53	-0.72	2
Velocity	5891	5813	4.27	265.33	S 85.3 W	90	5809.73	10.55	-13.30	-72.93	74.13	259.66	0.93	-0.88	-3.90	2
Velocity	5980	5902	4.36	260.99	S 81.0 W	89	5898.48	11.90	-14.10	-79.57	80.81	259.95	0.38	0.10	-4.88	2
Velocity	6070	5992	4.58	254.50	S 74.5 W	90	5988.20	12.66	-15.60	-86.41	87.81	259.77	0.61	0.24	-7.21	2
Velocity	6159	6081	5.15	260.01	S 80.0 W	89	6076.88	13.44	-17.24	-93.77	95.34	259.58	0.83	0.64	6.19	2
Velocity	6204	6126	5.47	263.15	S 83.2 W	45	6121.69	14.17	-17.85	-97.89	99.50	259.67	0.96	0.71	6.98	2
Velocity	6248	6170	4.86	261.49	S 81.5 W	44	6165.51	14.92	-18.37	-101.81	103.46	259.77	1.43	-1.39	-3.77	2
Velocity	6293	6215	5.13	280.57	N 79.4 W	45	6210.34	16.23	-18.28	-105.68	107.25	260.18	3.72	0.60	42.40	2
Velocity	6338	6260	7.72	301.50	N 58.5 W	45	6255.06	19.52	-16.34	-110.23	111.44	261.57	7.67	5.76	46.51	2
Velocity	6383	6305	10.49	311.26	N 48.7 W	45	6299.50	25.38	-12.05	-115.89	116.52	264.06	7.03	6.16	21.69	2
Velocity	6427	6349	12.99	315.80	N 44.2 W	44	6342.57	33.30	-5.87	-122.35	122.49	267.25	6.05	5.68	10.32	2
Velocity	6472	6394	16.66	322.24	N 37.8 W	45	6386.07	43.95	2.86	-129.83	129.86	271.26	8.93	8.16	14.31	2
Velocity	6517	6439	19.63	330.98	N 29.0 W	45	6428.84	57.48	14.58	-137.45	138.22	276.05	8.94	6.60	19.42	2
Velocity	6562	6484	23.29	335.52	N 24.5 W	45	6470.71	73.77	29.29	-144.81	147.74	281.43	8.93	8.13	10.09	2
Velocity	6579	6510	25.22	337.79	N 22.2 W	26	6494.42	84.41	39.10	-149.03	154.07	284.70	8.24	7.42	8.73	3
Velocity	6624	6555	28.99	340.58	N 19.4 W	45	6534.47	104.89	58.26	-156.28	166.79	290.45	8.84	8.38	6.20	3
Velocity	6668	6599	33.37	341.65	N 18.4 W	44	6572.10	127.66	79.82	-163.64	182.07	296.00	10.03	9.95	2.43	3
Velocity	6713	6644	35.73	338.94	N 21.1 W	45	6609.17	153.17	103.83	-172.26	201.13	301.08	6.26	5.24	-6.02	3
Velocity	6758	6689	39.02	339.37	N 20.6 W	45	6644.92	180.46	129.36	-181.98	223.27	305.41	7.33	7.31	0.96	3
Velocity	6803	6734	42.58	338.24	N 21.8 W	45	6678.98	209.82	156.76	-192.61	248.34	309.14	8.08	7.91	-2.51	3
Velocity	6847	6778	46.36	337.55	N 22.5 W	44	6710.37	240.58	185.31	-204.22	275.76	312.22	8.66	8.59	-1.57	3
Velocity	6892	6823	48.68	339.74	N 20.3 W	45	6740.76	273.72	216.22	-216.29	305.83	314.99	6.28	5.16	4.87	3
Velocity	6937	6868	51.75	339.37	N 20.6 W	45	6769.56	308.28	248.62	-228.37	337.58	317.43	6.85	6.82	-0.82	3
Velocity	6981	6912	56.99	337.38	N 22.6 W	44	6795.18	343.97	281.84	-241.56	371.20	319.40	12.46	11.91	-4.52	3
Velocity	7026	6957	61.97	340.27	N 19.7 W	45	6818.03	382.68	317.98	-255.53	407.93	321.21	12.37	11.07	6.42	3
Velocity	7071	7002	65.55	341.13	N 18.9 W	45	6837.92	423.03	356.07	-268.87	446.18	322.94	8.14	7.96	1.91	3
Velocity	7115	7046	69.33	341.70	N 18.3 W	44	6854.80	463.66	394.58	-281.81	484.88	324.47	8.67	8.59	1.30	3
Velocity	7160	7091	73.88	339.63	N 20.4 W	45	6869.00	506.34	434.85	-295.96	526.01	325.76	11.01	10.11	-4.60	3
Velocity	7205	7136	78.43	339.14	N 20.9 W	45	6879.77	549.99	475.74	-311.34	568.56	326.80	10.17	10.11	-1.09	3
Velocity	7250	7181	82.40	339.15	N 20.9 W	45	6887.26	594.32	517.19	-327.13	611.97	327.69	8.82	8.82	0.02	3
Velocity	7294	7225	84.55	339.52	N 20.5 W	44	6892.26	638.00	558.09	-342.56	654.84	328.46	4.96	4.89	0.84	3
Velocity	7339	7270	84.51	338.79	N 21.2 W	45	6896.55	682.76	599.96	-358.50	698.90	329.14	1.62	-0.09	-1.62	3
Velocity	7384	7315	84.64	340.04	N 20.0 W	45	6900.80	727.53	641.89	-374.25	743.03	329.76	2.78	0.29	2.78	3
Velocity	7428	7359	85.15	339.88	N 20.1 W	44	6904.72	771.34	683.07	-389.26	786.20	330.32	1.21	1.16	-0.36	3
Velocity	7473	7404	88.10	340.31	N 19.7 W	45	6907.37	816.24	725.30	-404.56	830.50	330.85	6.62	6.56	0.96	3
Velocity	7563	7494	89.22	340.43	N 19.6 W	90	6909.47	906.20	810.04	-434.78	919.35	331.78	1.25	1.24	0.13	3
Velocity	7652	7583	89.59	343.20	N 16.8 W	89	6910.39	995.18	894.59	-462.55	1007.09	332.66	3.14	0.42	3.11	3
Velocity	7741	7672	90.81	341.59	N 18.4 W	89	6910.08	1084.16	979.41	-489.47	1094.91	333.45	2.27	1.37	-1.81	3
Velocity	7831	7762	91.01	342.11	N 17.9 W	90	6908.65	1174.15	1064.92	-517.50	1184.01	334.08	0.62	0.22	0.58	3
Velocity	7920	7851	91.04	345.54	N 14.5 W	89	6907.06	1263.05	1150.37	-542.29	1271.78	334.76	3.85	0.03	3.85	3
Velocity	8010	7941	90.72	344.89	N 15.1 W	90	6905.68	1352.85	1237.38	-565.25	1360.38	335.45	0.80	-0.36	-0.72	3
Velocity	8099	8030	90.73	342.00	N 18.0 W	89	6904.55	1441.78	1322.68	-590.61	1448.55	335.94	3.25	0.01	-3.25	3

Velocity	8189	8120	90.68	340.97	N 19.0 W	90	6903.45	1531.77	1408.01	-619.18	1538.14	336.26	1.15	-0.06	-1.14	3
Velocity	8278	8209	90.48	339.35	N 20.7 W	89	6902.54	1620.74	1491.72	-649.39	1626.94	336.48	1.83	-0.22	-1.82	3
Velocity	8368	8299	90.30	341.55	N 18.5 W	90	6901.93	1710.72	1576.53	-679.50	1716.73	336.68	2.45	-0.20	2.44	3
Velocity	8457	8388	90.76	342.08	N 17.9 W	89	6901.11	1799.71	1661.08	-707.28	1805.39	336.94	0.79	0.52	0.60	3
Velocity	8547	8478	90.10	343.26	N 16.7 W	90	6900.43	1889.69	1746.99	-734.08	1894.95	337.21	1.50	-0.73	1.31	3
Velocity	8636	8567	90.24	343.71	N 16.3 W	89	6900.17	1978.63	1832.31	-759.38	1983.44	337.49	0.53	0.16	0.51	3
Velocity	8726	8657	90.56	342.60	N 17.4 W	90	6899.54	2068.59	1918.45	-785.46	2073.02	337.73	1.28	0.36	-1.23	3
Velocity	8815	8746	90.30	344.69	N 15.3 W	89	6898.87	2157.52	2003.84	-810.52	2161.56	337.98	2.37	-0.29	2.35	3
Velocity	8905	8836	90.67	344.88	N 15.1 W	90	6898.11	2247.37	2090.68	-834.14	2250.94	338.25	0.46	0.41	0.21	3
Velocity	8994	8925	91.02	344.18	N 15.8 W	89	6896.80	2336.23	2176.45	-857.88	2339.42	338.49	0.88	0.39	-0.79	3
Velocity	9084	9015	90.65	342.29	N 17.7 W	90	6895.49	2426.17	2262.61	-883.83	2429.11	338.66	2.14	-0.41	-2.10	3
Velocity	9173	9104	89.48	340.89	N 19.1 W	89	6895.39	2515.17	2347.05	-911.94	2517.99	338.77	2.05	-1.31	-1.57	3
Velocity	9262	9193	89.96	344.74	N 15.3 W	89	6895.82	2604.13	2432.06	-938.23	2606.76	338.90	4.36	0.54	4.33	3
Velocity	9352	9283	90.10	343.27	N 16.7 W	90	6895.77	2694.04	2518.57	-963.03	2696.41	339.07	1.64	0.16	-1.63	3
Velocity	9441	9372	89.48	343.17	N 16.8 W	89	6896.10	2782.99	2603.78	-988.72	2785.19	339.21	0.71	-0.70	-0.11	3
Velocity	9531	9462	89.92	341.89	N 18.1 W	90	6896.57	2872.98	2689.63	-1015.74	2875.04	339.31	1.50	0.49	-1.42	3
Velocity	9620	9551	91.93	343.07	N 16.9 W	89	6895.13	2961.94	2774.48	-1042.53	2963.89	339.41	2.62	2.26	1.33	3
Velocity	9709	9640	91.58	342.31	N 17.7 W	89	6892.41	3050.88	2859.41	-1069.00	3052.70	339.50	0.94	-0.39	-0.85	3
Velocity	9799	9730	91.09	342.25	N 17.8 W	90	6890.31	3140.85	2945.12	-1096.38	3142.57	339.58	0.55	-0.54	-0.07	3
Velocity	9888	9819	91.16	343.93	N 16.1 W	89	6888.56	3229.79	3030.25	-1122.26	3231.39	339.68	1.89	0.08	1.89	3
Velocity	9977	9908	91.55	341.88	N 18.1 W	89	6886.46	3318.74	3115.29	-1148.42	3320.22	339.76	2.34	0.44	-2.30	3
Velocity	10067	9998	90.25	342.12	N 17.9 W	90	6885.05	3408.72	3200.87	-1176.22	3410.15	339.82	1.47	-1.44	0.27	3
Velocity	10156	10087	90.32	341.19	N 18.8 W	89	6884.60	3497.72	3285.35	-1204.24	3499.10	339.87	1.05	0.08	-1.04	3
Velocity	10246	10177	89.99	341.29	N 18.7 W	90	6884.36	3587.72	3370.57	-1233.18	3589.07	339.90	0.38	-0.37	0.11	3
Velocity	10335	10266	91.07	344.31	N 15.7 W	89	6883.54	3676.68	3455.57	-1259.49	3677.95	339.97	3.60	1.21	3.39	3
Velocity	10424	10355	91.01	343.20	N 16.8 W	89	6881.92	3765.59	3541.00	-1284.39	3766.74	340.06	1.25	-0.07	-1.25	3
Velocity	10514	10445	91.24	343.58	N 16.4 W	90	6880.15	3855.52	3627.23	-1310.11	3856.58	340.14	0.49	0.26	0.42	3
Velocity	10603	10534	90.62	341.75	N 18.3 W	89	6878.71	3944.49	3712.17	-1336.62	3945.48	340.20	2.17	-0.70	-2.06	3
Velocity	10693	10624	88.76	343.07	N 16.9 W	90	6879.20	4034.47	3797.96	-1363.82	4035.40	340.25	2.53	-2.07	1.47	3
Velocity	10783	10714	90.02	342.91	N 17.1 W	90	6880.15	4124.43	3884.01	-1390.14	4125.29	340.31	1.41	1.40	-0.18	3
Velocity	10872	10803	90.12	343.65	N 16.4 W	89	6880.05	4213.39	3969.25	-1415.75	4214.18	340.37	0.84	0.11	0.83	3
Velocity	10961	10892	89.53	342.28	N 17.7 W	89	6880.32	4302.35	4054.34	-1441.82	4303.08	340.42	1.68	-0.66	-1.54	3
Velocity	11051	10982	89.79	342.59	N 17.4 W	90	6880.85	4392.34	4140.14	-1468.98	4393.03	340.46	0.45	0.29	0.34	3
Velocity	11140	11071	89.87	342.74	N 17.3 W	89	6881.12	4481.32	4225.10	-1495.50	4481.96	340.51	0.19	0.09	0.17	3
Velocity	11230	11161	89.62	343.65	N 16.4 W	90	6881.52	4571.28	4311.26	-1521.52	4571.86	340.56	1.05	-0.28	1.01	3
Velocity	11319	11250	89.02	340.85	N 19.2 W	89	6882.57	4660.25	4396.00	-1548.65	4660.81	340.59	3.22	-0.67	-3.15	3
Velocity	11409	11340	89.38	343.17	N 16.8 W	90	6883.83	4750.23	4481.59	-1576.44	4750.77	340.62	2.61	0.40	2.58	3
Velocity	11498	11429	90.12	341.79	N 18.2 W	89	6884.22	4839.22	4566.46	-1603.23	4839.72	340.65	1.76	0.83	-1.55	3
Velocity	11588	11519	90.65	342.52	N 17.5 W	90	6883.61	4929.21	4652.12	-1630.81	4929.69	340.68	1.00	0.59	0.81	3
Velocity	11677	11608	90.52	340.46	N 19.5 W	89	6882.70	5018.20	4736.51	-1659.06	5018.67	340.70	2.32	-0.15	-2.31	3
Velocity	11766	11697	90.85	339.71	N 20.3 W	89	6881.64	5107.17	4820.18	-1689.38	5107.66	340.69	0.92	0.37	-0.84	3
Velocity	11856	11787	89.72	340.92	N 19.1 W	90	6881.19	5197.14	4904.92	-1719.69	5197.65	340.68	1.84	-1.26	1.34	3
Velocity	11945	11876	90.41	341.64	N 18.4 W	89	6881.09	5286.14	4989.21	-1748.25	5286.64	340.69	1.12	0.78	0.81	3

Velocity	12035	11966	90.58	342.09	N 17.9 W	90	6880.31	5376.13	5074.74	-1776.27	5376.62	340.71	0.53	0.19	0.50	3
Velocity	12124	12055	91.25	340.44	N 19.6 W	89	6878.89	5465.12	5159.01	-1804.85	5465.60	340.72	2.00	0.75	-1.85	3
Velocity	12213	12144	92.29	342.29	N 17.7 W	89	6876.14	5554.07	5243.29	-1833.27	5554.55	340.73	2.38	1.17	2.08	3
Velocity	12303	12234	90.88	342.13	N 17.9 W	90	6873.65	5644.03	5328.96	-1860.76	5644.48	340.75	1.58	-1.57	-0.18	3
Velocity	12392	12323	90.30	345.18	N 14.8 W	89	6872.74	5732.95	5414.34	-1885.80	5733.36	340.80	3.49	-0.65	3.43	3
Velocity	12482	12413	89.79	345.43	N 14.6 W	90	6872.67	5822.75	5501.40	-1908.63	5823.08	340.87	0.63	-0.57	0.28	3
Velocity	12571	12502	90.41	343.26	N 16.7 W	89	6872.51	5911.63	5587.09	-1932.64	5911.91	340.92	2.54	0.70	-2.44	3
Velocity	12661	12592	91.05	343.72	N 16.3 W	90	6871.36	6001.57	5673.37	-1958.22	6001.82	340.96	0.88	0.71	0.51	3
Velocity	12750	12681	91.15	344.09	N 15.9 W	89	6869.66	6090.47	5758.87	-1982.89	6090.68	341.00	0.43	0.11	0.42	3
Velocity	12840	12771	90.99	343.19	N 16.8 W	90	6867.98	6180.39	5845.21	-2008.23	6180.57	341.04	1.02	-0.18	-1.00	3
Velocity	12929	12860	90.07	340.05	N 20.0 W	89	6867.15	6269.37	5929.65	-2036.29	6269.55	341.05	3.68	-1.03	-3.53	3
Velocity	13019	12950	88.47	337.23	N 22.8 W	90	6868.30	6359.24	6013.45	-2069.06	6359.45	341.01	3.60	-1.78	-3.13	3
Velocity	13108	13039	90.42	340.87	N 19.1 W	89	6869.16	6448.14	6096.55	-2100.88	6448.38	340.99	4.64	2.19	4.09	3
Velocity	13197	13128	89.70	343.49	N 16.5 W	89	6869.07	6537.13	6181.27	-2128.11	6537.35	341.00	3.05	-0.81	2.94	3
Velocity	13287	13218	89.82	343.79	N 16.2 W	90	6869.45	6627.06	6267.63	-2153.46	6627.26	341.04	0.36	0.13	0.33	3
Velocity	13376	13307	89.65	343.37	N 16.6 W	89	6869.86	6716.00	6353.00	-2178.62	6716.17	341.07	0.51	-0.19	-0.47	3
Velocity	13466	13397	89.78	343.57	N 16.4 W	90	6870.30	6805.94	6439.27	-2204.23	6806.09	341.10	0.27	0.14	0.22	3
Velocity	13555	13486	89.82	344.08	N 15.9 W	89	6870.62	6894.87	6524.75	-2229.02	6894.99	341.14	0.57	0.04	0.57	3
Velocity	13645	13576	90.56	345.20	N 14.8 W	90	6870.32	6984.73	6611.53	-2252.86	6984.82	341.18	1.49	0.82	1.24	3
Velocity	13734	13665	90.41	344.70	N 15.3 W	89	6869.56	7073.56	6697.48	-2275.97	7073.63	341.23	0.59	-0.17	-0.56	3
Velocity	13823	13754	89.96	345.74	N 14.3 W	89	6869.28	7162.37	6783.53	-2298.67	7162.41	341.28	1.27	-0.51	1.17	3
Velocity	13913	13844	90.45	344.82	N 15.2 W	90	6868.95	7252.17	6870.58	-2321.54	7252.20	341.33	1.16	0.54	-1.02	3
Velocity	14002	13933	90.22	343.55	N 16.5 W	89	6868.43	7341.07	6956.20	-2345.79	7341.08	341.36	1.45	-0.26	-1.43	3
Velocity	14092	14023	91.32	344.77	N 15.2 W	90	6867.22	7430.96	7042.77	-2370.36	7430.97	341.40	1.83	1.22	1.36	3
Velocity	14182	14113	89.95	346.56	N 13.4 W	90	6866.23	7520.71	7129.96	-2392.64	7520.71	341.45	2.50	-1.52	1.99	3
Velocity	14271	14202	89.79	346.42	N 13.6 W	89	6866.43	7609.37	7216.50	-2413.43	7609.37	341.51	0.24	-0.18	-0.16	3
Velocity	14361	14292	90.05	344.40	N 15.6 W	90	6866.55	7699.15	7303.59	-2436.10	7699.16	341.55	2.26	0.29	-2.24	3
Velocity	14450	14381	89.82	345.77	N 14.2 W	89	6866.65	7787.97	7389.59	-2459.00	7787.99	341.59	1.56	-0.26	1.54	3
Velocity	14539	14470	90.50	342.56	N 17.4 W	89	6866.41	7876.86	7475.20	-2483.29	7876.89	341.62	3.69	0.76	-3.61	3
Velocity	14629	14560	90.24	342.65	N 17.4 W	90	6865.83	7966.84	7561.08	-2510.19	7966.87	341.63	0.31	-0.29	0.10	3
Velocity	14718	14649	89.70	343.65	N 16.4 W	89	6865.87	8055.80	7646.26	-2535.99	8055.84	341.65	1.28	-0.61	1.12	3
Velocity	14808	14739	90.72	340.92	N 19.1 W	90	6865.54	8145.78	7731.98	-2563.37	8145.82	341.66	3.24	1.13	-3.03	3
Velocity	14897	14828	91.55	342.83	N 17.2 W	89	6863.78	8234.76	7816.55	-2591.05	8234.80	341.66	2.34	0.93	2.15	3
Velocity	14987	14918	90.33	341.25	N 18.8 W	90	6862.30	8324.74	7902.14	-2618.80	8324.78	341.66	2.22	-1.36	-1.76	3
Velocity	15076	15007	90.41	342.50	N 17.5 W	89	6861.73	8413.73	7986.73	-2646.49	8413.78	341.67	1.41	0.09	1.40	3
Velocity	15165	15096	89.98	341.91	N 18.1 W	89	6861.42	8502.73	8071.47	-2673.68	8502.77	341.67	0.82	-0.48	-0.66	3
Velocity	15255	15186	90.07	341.34	N 18.7 W	90	6861.39	8592.72	8156.88	-2702.06	8592.77	341.67	0.64	0.10	-0.63	3
Velocity	15344	15275	89.95	342.71	N 17.3 W	89	6861.37	8681.72	8241.53	-2729.52	8681.77	341.68	1.55	-0.13	1.54	3
Velocity	15434	15365	90.16	344.21	N 15.8 W	90	6861.28	8771.66	8327.80	-2755.14	8771.72	341.69	1.68	0.23	1.67	3
Velocity	15523	15454	90.21	344.35	N 15.7 W	89	6861.00	8860.56	8413.47	-2779.25	8860.63	341.72	0.17	0.06	0.16	3
Velocity	15613	15544	89.79	342.43	N 17.6 W	90	6861.00	8950.50	8499.72	-2804.98	8950.59	341.74	2.18	-0.47	-2.13	3
Velocity	15702	15633	89.33	339.20	N 20.8 W	89	6861.68	9039.48	8583.76	-2834.22	9039.56	341.73	3.67	-0.52	-3.63	3
Velocity	15792	15723	89.39	340.09	N 19.9 W	90	6862.68	9129.43	8668.13	-2865.53	9129.50	341.71	0.99	0.07	0.99	3

Velocity	15881	15812	89.21	338.61	N 21.4 W	89	6863.77	9218.36	8751.41	-2896.91	9218.42	341.68	1.68	-0.20	-1.66	3
Velocity	15971	15902	89.84	341.02	N 19.0 W	90	6864.52	9308.31	8835.87	-2927.96	9308.36	341.67	2.77	0.70	2.68	3
Velocity	16060	15991	90.07	340.19	N 19.8 W	89	6864.59	9397.30	8919.82	-2957.51	9397.34	341.66	0.97	0.26	-0.93	3
Velocity	16149	16080	89.93	340.10	N 19.9 W	89	6864.59	9486.27	9003.53	-2987.74	9486.31	341.64	0.19	-0.16	-0.10	3
Velocity	16239	16170	89.59	338.32	N 21.7 W	90	6864.97	9576.20	9087.66	-3019.69	9576.23	341.62	2.01	-0.38	-1.98	3
Velocity	16328	16259	89.70	341.34	N 18.7 W	89	6865.52	9665.15	9171.19	-3050.37	9665.17	341.60	3.40	0.12	3.39	3
Velocity	16418	16349	90.67	339.98	N 20.0 W	90	6865.23	9755.14	9256.11	-3080.17	9755.16	341.59	1.86	1.08	-1.51	3
Velocity	16507	16438	90.24	342.19	N 17.8 W	89	6864.52	9844.13	9340.30	-3109.02	9844.14	341.59	2.53	-0.48	2.48	3
Velocity	16596	16527	90.19	342.03	N 18.0 W	89	6864.19	9933.12	9424.99	-3136.36	9933.14	341.59	0.19	-0.06	-0.18	3
Velocity	16667	16598	90.07	341.35	N 18.7 W	71	6864.02	10004.12	9492.40	-3158.67	10004.14	341.59	0.97	-0.17	-0.96	3
Projection	16667	16667	90.07	341.35	N 18.7 W	69	6863.94	10073.12	9557.77	-3180.73	10073.14	341.59	0.00	0.00	0.00	3