



Company: Jay-Bee Oil & Gas
 Well: Doc 9
 Location: Tyler Co., WV
 Rig: Precision 823
 API No: 47-095-02626-00-00
 Start Date: 01/25/22 Start Depth: 350

Job Number: 68755 Calculation Method: Minimum Curvature
 Magnetic Declination: -7.73 Proposed Azimuth: 319.8
 Grid Correction: 0.15 Depth Ref: RKB 1053 ft Plan # 1
 Total Correction: -7.88 Field: Marcellus
 North reference: Grid Location Lat/Long: 39.4491135, -80.7682204
 End Date: 02/05/22 End Depth: 12948

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 (ft)		Closure (ft)		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
									+N/-S	+E/-W	Distance	Angle (deg)				
TIP	312.50	312.50	0.56	169.34	S 10.7 E	0	312.48	-1.87	-2.18	0.32	0	0	0	0	0	0
1st Svy	490	400	0.56	159.50	S 20.5 E	88	399.98	-2.65	-3.00	0.55	3.05	169.63	0.11	0.00	-11.25	1
Velocity	535	445	0.69	143.42	S 36.6 E	45	444.97	-3.12	-3.42	0.79	3.51	167.05	0.48	0.29	-35.73	1
Velocity	580	490	0.94	92.21	S 87.8 E	45	489.97	-3.64	-3.66	1.32	3.89	160.18	1.64	0.56	-113.80	1
Velocity	625	535	1.43	85.86	N 85.9 E	45	534.96	-4.22	-3.63	2.25	4.27	148.25	1.13	1.09	-14.11	1
Velocity	669	579	1.95	88.75	N 88.8 E	44	578.94	-5.02	-3.57	3.54	5.03	135.25	1.20	1.18	6.57	1
Velocity	714	624	2.27	77.34	N 77.3 E	45	623.91	-5.91	-3.36	5.18	6.17	123.00	1.17	0.71	-25.36	1
Velocity	758	668	1.99	68.85	N 68.9 E	44	667.88	-6.56	-2.90	6.74	7.34	113.25	0.96	-0.64	-19.30	1
Velocity	803	713	1.28	72.34	N 72.3 E	45	712.86	-7.01	-2.46	7.95	8.32	107.20	1.59	-1.58	7.76	1
Velocity	847	757	0.63	62.23	N 62.2 E	44	756.85	-7.25	-2.20	8.63	8.91	104.30	1.52	-1.48	-22.98	1
Velocity	892	802	0.55	63.31	N 63.3 E	45	801.85	-7.35	-1.99	9.04	9.26	102.39	0.18	-0.18	2.40	1
Velocity	936	846	0.53	50.45	N 50.5 E	44	845.85	-7.41	-1.76	9.39	9.55	100.63	0.28	-0.05	-29.23	1
Velocity	981	891	0.47	51.21	N 51.2 E	45	890.85	-7.41	-1.51	9.69	9.81	98.88	0.13	-0.13	1.69	1
Velocity	1025	935	0.50	49.93	N 49.9 E	44	934.85	-7.42	-1.28	9.98	10.06	97.29	0.07	0.07	-2.91	1
Velocity	1070	980	0.53	66.15	N 66.2 E	45	979.84	-7.48	-1.07	10.32	10.38	95.90	0.33	0.07	36.04	1
Velocity	1114	1024	0.42	81.29	N 81.3 E	44	1023.84	-7.62	-0.96	10.67	10.71	95.14	0.38	-0.25	34.41	1
Velocity	1159	1069	0.40	79.48	N 79.5 E	45	1068.84	-7.78	-0.91	10.98	11.02	94.72	0.05	-0.04	-4.02	1
Velocity	1203	1113	0.50	95.03	S 85.0 E	44	1112.84	-7.99	-0.90	11.33	11.36	94.52	0.36	0.23	35.34	1
Velocity	1248	1158	0.62	78.38	N 78.4 E	45	1157.84	-8.25	-0.86	11.76	11.79	94.20	0.45	0.27	-37.00	1
Velocity	1292	1202	0.68	76.40	N 76.4 E	44	1201.84	-8.48	-0.75	12.25	12.27	93.52	0.15	0.14	-4.50	1
Velocity	1337	1247	0.66	83.88	N 83.9 E	45	1246.83	-8.75	-0.66	12.76	12.78	92.98	0.20	-0.04	16.62	1
Velocity	1381	1291	0.17	136.03	S 44.0 E	44	1290.83	-8.95	-0.68	13.06	13.08	93.00	1.30	-1.11	118.52	1
Velocity	1426	1336	0.84	237.53	S 57.5 W	45	1335.83	-8.97	-0.91	12.83	12.86	94.05	1.98	1.49	225.56	1
Velocity	1471	1381	1.49	235.42	S 55.4 W	45	1380.82	-8.87	-1.42	12.07	12.15	96.70	1.45	1.44	-4.69	1
Velocity	1515	1425	1.92	234.83	S 54.8 W	44	1424.80	-8.75	-2.17	11.00	11.21	101.15	0.98	0.98	-1.34	1
Velocity	1560	1470	1.93	224.97	S 45.0 W	45	1469.78	-8.75	-3.14	9.84	10.33	107.68	0.74	0.02	-21.91	1
Velocity	1605	1515	2.13	216.97	S 37.0 W	45	1514.75	-9.00	-4.34	8.81	9.82	116.25	0.77	0.44	-17.78	1
Velocity	1649	1559	2.25	216.88	S 36.9 W	44	1558.72	-9.37	-5.69	7.80	9.65	126.11	0.27	0.27	-0.20	1
Velocity	1694	1604	2.61	212.05	S 32.1 W	45	1603.67	-9.88	-7.26	6.72	9.89	137.21	0.92	0.80	-10.73	1
Velocity	1738	1648	2.47	215.16	S 35.2 W	44	1647.63	-10.43	-8.89	5.64	10.53	147.58	0.45	-0.32	7.07	1
Velocity	1783	1693	2.03	215.27	S 35.3 W	45	1692.60	-10.87	-10.33	4.63	11.32	155.88	0.98	-0.98	0.24	1
Velocity	1827	1737	1.94	216.42	S 36.4 W	44	1736.57	-11.24	-11.56	3.73	12.15	162.11	0.22	-0.20	2.61	1
Velocity	1872	1782	1.86	230.12	S 50.1 W	45	1781.55	-11.41	-12.65	2.72	12.93	167.86	1.02	-0.18	30.44	1
Velocity	1916	1826	1.78	250.88	S 70.9 W	44	1825.52	-11.16	-13.33	1.53	13.41	173.46	1.50	-0.18	47.18	1
Velocity	1961	1871	2.73	255.46	S 77.5 W	45	1870.49	-10.47	-13.76	-0.06	13.76	180.27	1.54	1.44	14.62	1
Velocity	2005	1915	2.23	255.03	S 75.0 W	44	1914.44	-9.51	-14.29	-2.17	14.45	188.65	1.84	1.82	-5.52	1
Velocity	2050	1960	2.31	255.55	S 70.6 W	45	1959.34	-8.37	-15.18	-4.99	15.98	198.21	2.49	2.40	-9.96	1
Velocity	2095	2005	2.88	242.69	S 67.6 W	45	2004.17	-7.10	-16.57	-8.61	18.68	207.45	2.88	2.82	-6.53	1
Velocity	2139	2049	2.82	244.89	S 64.9 W	44	2047.92	-5.77	-18.50	-12.95	22.58	215.00	2.90	2.82	-6.20	1
Velocity	2184	2094	2.75	244.71	S 61.7 W	45	2092.55	-4.45	-21.07	-18.04	27.74	220.58	2.25	2.07	-7.04	1

Environmental Protection

AUG 23 2022

SW



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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 (ft)		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	RUN #
									+N/-S	+E/-W	Distance	Angle				
Velocity	2228	2138	8.47	240.14	S 60.1 W	44	2136.11	-3.25	-24.09	-23.47	33.63	224.25	1.71	1.64	-3.57	1
Velocity	2273	2183	9.02	238.61	S 58.6 W	45	2180.59	-2.12	-27.58	-29.35	40.27	226.79	1.33	1.22	-3.40	1
Velocity	2369	2289	8.75	230.28	S 50.3 W	106	2285.32	-0.78	-37.06	-42.65	56.50	229.01	1.24	-0.25	-7.86	2
Velocity	2414	2334	8.31	227.07	S 47.1 W	45	2329.82	-0.90	-41.46	-47.66	63.17	228.98	1.44	-0.98	-7.13	2
Velocity	2503	2423	8.62	232.12	S 52.1 W	89	2417.85	-0.94	-49.93	-57.63	76.26	229.09	0.90	0.35	5.67	2
Velocity	2592	2512	9.79	236.72	S 56.7 W	89	2505.71	0.24	-58.18	-69.23	90.43	229.95	1.55	1.31	5.17	2
Velocity	2682	2602	10.86	237.22	S 57.2 W	90	2594.25	2.26	-66.97	-82.75	106.46	231.02	1.19	1.19	0.56	2
Velocity	2771	2691	12.18	236.81	S 56.8 W	89	2681.45	4.49	-76.65	-97.66	124.15	231.87	1.49	1.48	-0.46	2
Velocity	2860	2780	13.53	236.19	S 56.2 W	89	2768.22	6.79	-87.58	-114.17	143.89	232.51	1.52	1.52	-0.70	2
Velocity	2950	2870	15.30	239.52	S 59.5 W	90	2855.39	9.97	-99.47	-133.15	166.20	233.24	2.17	1.97	3.70	2
Velocity	3040	2960	17.26	240.98	S 61.0 W	90	2941.77	14.56	-111.97	-155.06	191.26	234.17	2.22	2.18	1.62	2
Velocity	3129	3049	19.66	239.39	S 59.4 W	89	3026.19	19.62	-126.00	-179.49	219.30	234.93	2.76	2.70	-1.79	2
Velocity	3219	3139	21.58	237.94	S 57.9 W	90	3110.42	24.48	-142.50	-206.55	250.94	235.40	2.21	2.13	-1.61	2
Velocity	3308	3228	22.33	238.13	S 58.1 W	89	3192.96	29.25	-160.11	-234.78	284.18	235.71	0.85	0.84	0.21	2
Velocity	3397	3317	22.29	237.15	S 57.2 W	89	3275.30	33.86	-178.19	-263.32	317.95	235.91	0.42	-0.04	-1.10	2
Velocity	3486	3406	22.37	236.33	S 56.3 W	89	3357.63	37.95	-196.74	-291.60	351.76	235.99	0.36	0.09	-0.92	2
Velocity	3575	3495	22.38	236.87	S 56.9 W	89	3439.93	41.96	-215.39	-319.88	385.64	236.05	0.23	0.01	0.61	2
Velocity	3665	3585	22.94	238.11	S 58.1 W	90	3522.98	46.60	-234.02	-349.12	420.30	236.17	0.82	0.62	1.38	2
Velocity	3754	3674	23.35	239.77	S 59.8 W	89	3604.82	52.16	-252.06	-379.09	455.24	236.38	0.87	0.46	1.87	2
Velocity	3846	3766	23.12	238.17	S 58.2 W	92	3689.36	57.95	-270.77	-410.19	491.50	236.57	0.73	-0.25	-1.74	2
Velocity	3935	3855	22.42	236.97	S 57.0 W	89	3771.42	62.61	-289.23	-439.26	525.93	236.64	0.94	-0.79	-1.35	2
Velocity	4024	3944	22.33	237.05	S 57.1 W	89	3853.72	66.86	-307.68	-467.68	559.81	236.66	0.11	-0.10	0.09	2
Velocity	4114	4034	22.78	235.62	S 55.6 W	90	3936.84	70.79	-326.82	-496.41	594.33	236.64	0.79	0.50	-1.59	2
Velocity	4203	4123	22.56	235.01	S 55.0 W	89	4018.96	74.08	-346.34	-524.61	628.63	236.57	0.36	-0.25	-0.69	2
Velocity	4292	4212	22.07	236.01	S 56.0 W	89	4101.30	77.44	-365.48	-552.46	662.41	236.51	0.70	-0.55	1.12	2
Velocity	4381	4301	22.44	238.49	S 58.5 W	89	4183.67	81.82	-383.70	-580.81	696.11	236.55	1.13	0.42	2.79	2
Velocity	4471	4391	22.65	237.40	S 57.4 W	90	4266.79	86.71	-402.02	-610.05	730.60	236.62	0.52	0.23	-1.21	2
Velocity	4560	4480	23.04	238.60	S 58.6 W	89	4348.81	91.64	-420.32	-639.36	765.15	236.68	0.68	0.44	1.35	2
Velocity	4650	4570	22.73	238.99	S 59.0 W	90	4431.73	97.11	-438.46	-669.29	800.12	236.77	0.38	-0.34	0.43	2
Velocity	4739	4659	22.08	238.52	S 58.5 W	89	4514.01	102.39	-456.05	-698.29	834.03	236.85	0.76	-0.73	-0.53	2
Velocity	4828	4748	21.62	237.73	S 57.7 W	89	4596.61	107.19	-473.54	-726.42	867.14	236.90	0.61	-0.52	-0.89	2
Velocity	4917	4837	21.44	238.06	S 58.1 W	89	4679.40	111.79	-490.90	-754.09	899.80	236.94	0.24	-0.20	0.37	2
Velocity	5006	4926	21.42	236.83	S 56.8 W	89	4762.25	116.11	-508.40	-781.50	932.31	236.95	0.51	-0.02	-1.38	2
Velocity	5095	5015	21.41	235.85	S 55.9 W	89	4845.11	119.81	-526.41	-808.54	964.80	236.93	0.40	-0.01	-1.10	2
Velocity	5184	5104	21.32	237.22	S 57.2 W	89	4927.99	123.61	-544.29	-835.59	997.23	236.92	0.57	-0.10	1.54	2
Velocity	5273	5193	21.77	238.84	S 58.8 W	89	5010.79	128.29	-561.56	-863.28	1029.86	236.96	0.80	0.44	1.82	2
Velocity	5362	5282	22.36	240.87	S 60.9 W	89	5093.29	134.13	-578.32	-892.15	1063.19	237.05	1.12	0.72	2.28	2
Velocity	5452	5372	23.35	245.05	S 65.1 W	90	5176.23	142.10	-594.17	-923.27	1097.94	237.24	2.12	1.11	4.64	2
Velocity	5541	5461	21.97	241.05	S 64.1 W	89	5258.36	150.84	-608.90	-954.23	1131.95	237.46	1.61	-1.55	-1.12	2
Velocity	5630	5550	21.20	238.85	S 58.9 W	89	5341.13	157.47	-624.51	-982.98	1164.58	237.57	2.32	-0.87	-5.84	2
Velocity	5719	5639	21.56	237.36	S 57.4 W	89	5424.00	162.15	-641.65	-1010.52	1197.03	237.59	0.73	0.40	-1.67	2

Environmental Protection Department of WV

Handwritten mark



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Velocity	5808	5728	21.50	238.23	S 58.2 W	89	5506.79	166.70	-659.06	-1038.16	1229.69	237.59	0.37	-0.07	0.98	2
Velocity	5897	5817	22.27	237.51	S 57.5 W	89	5589.38	171.35	-676.71	-1066.25	1262.86	237.60	0.92	0.87	-0.81	2
Velocity	5987	5907	22.89	237.15	S 57.2 W	90	5672.48	175.88	-695.36	-1095.34	1297.42	237.59	0.71	0.69	-0.40	2
Velocity	6076	5996	22.36	237.10	S 57.1 W	89	5754.63	180.24	-713.95	-1124.09	1331.65	237.58	0.60	-0.60	-0.06	2
Velocity	6166	6086	21.48	237.22	S 57.2 W	90	5838.12	184.55	-732.17	-1152.32	1365.25	237.57	0.98	-0.98	0.13	2
Velocity	6255	6175	20.80	239.61	S 59.6 W	89	5921.13	189.34	-748.98	-1179.65	1397.34	237.59	1.23	-0.76	2.69	2
Velocity	6345	6265	21.41	242.88	S 62.9 W	90	6005.10	195.78	-764.56	-1208.06	1429.67	237.67	1.47	0.68	3.63	2
Velocity	6434	6354	23.37	243.58	S 63.6 W	89	6087.39	203.67	-779.82	-1238.33	1463.41	237.80	2.22	2.20	0.79	2
Velocity	6524	6444	24.28	243.04	S 63.0 W	90	6169.72	212.16	-796.15	-1270.81	1499.60	237.93	1.04	1.01	-0.60	2
Velocity	6569	6489	23.90	243.15	S 63.2 W	45	6210.80	216.38	-804.46	-1287.18	1517.89	238.00	0.85	-0.84	0.24	2
Velocity	6614	6534	24.09	253.81	S 73.8 W	45	6251.93	222.22	-811.14	-1304.15	1535.82	238.12	9.63	0.42	23.69	2
Velocity	6658	6578	26.01	264.03	S 84.0 W	44	6291.81	231.31	-814.65	-1322.37	1553.17	238.36	10.74	4.36	23.23	2
Velocity	6703	6623	28.42	273.09	N 86.9 W	45	6331.84	244.21	-815.10	-1342.89	1570.91	238.74	10.64	5.36	20.13	2
Velocity	6747	6680	30.54	281.06	N 78.9 W	57	6381.48	264.82	-811.59	-1370.66	1592.92	239.37	7.81	3.72	13.98	3
Velocity	6802	6735	32.58	288.89	N 71.1 W	55	6428.36	288.43	-804.11	-1398.40	1613.11	240.10	8.32	3.71	14.24	3
Velocity	6847	6780	36.46	294.70	N 65.3 W	45	6465.44	310.95	-794.59	-1422.03	1628.97	240.80	11.30	8.62	12.91	3
Velocity	6892	6825	40.27	299.95	N 60.1 W	45	6500.72	336.76	-781.74	-1446.80	1644.48	241.62	11.13	8.47	11.67	3
Velocity	6936	6869	44.06	308.61	N 51.4 W	44	6533.36	365.17	-765.07	-1471.10	1658.15	242.52	15.76	8.61	19.68	3
Velocity	6980	6913	48.82	314.74	N 45.3 W	44	6563.69	396.71	-743.85	-1494.84	1669.69	243.54	14.79	10.82	13.93	3
Velocity	7025	6958	52.75	318.65	N 41.4 W	45	6592.14	431.51	-718.47	-1518.72	1680.09	244.68	11.02	8.73	8.69	3
Velocity	7069	7002	55.70	321.00	N 39.0 W	44	6617.86	467.20	-691.19	-1541.73	1689.58	245.85	7.98	6.70	5.34	3
Velocity	7114	7047	59.00	322.90	N 37.1 W	45	6642.14	505.05	-661.35	-1565.07	1699.07	247.09	8.15	7.33	4.22	3
Velocity	7158	7091	61.66	324.60	N 35.4 W	44	6663.92	543.19	-630.52	-1587.67	1708.29	248.34	6.91	6.05	3.86	3
Velocity	7203	7136	63.74	325.68	N 34.3 W	45	6684.55	583.00	-597.71	-1610.52	1717.86	249.64	5.09	4.62	2.40	3
Velocity	7248	7181	68.05	326.11	N 33.9 W	45	6702.93	623.83	-563.70	-1633.54	1728.07	250.96	9.62	9.58	0.96	3
Velocity	7292	7225	72.49	327.02	N 33.0 W	44	6717.78	664.95	-529.15	-1656.36	1738.82	252.28	10.28	10.09	2.07	3
Velocity	7337	7270	75.70	327.40	N 32.6 W	45	6730.11	707.86	-492.77	-1679.79	1750.57	253.65	7.18	7.13	0.84	3
Velocity	7381	7314	78.74	328.55	N 31.5 W	44	6739.84	750.33	-456.39	-1702.54	1762.65	254.99	7.36	6.91	2.61	3
Velocity	7426	7359	80.69	330.28	N 29.7 W	45	6747.88	793.98	-418.28	-1725.06	1775.05	256.37	5.75	4.33	3.84	3
Velocity	7470	7403	82.63	332.18	N 27.8 W	44	6754.26	836.64	-380.12	-1746.01	1786.91	257.72	6.14	4.41	4.32	3
Velocity	7515	7448	85.73	334.75	N 25.3 W	45	6758.82	880.13	-340.07	-1766.01	1798.45	259.10	8.93	6.89	5.71	3
Velocity	7559	7492	88.07	336.61	N 23.4 W	44	6761.20	922.39	-300.04	-1784.10	1809.15	260.45	6.79	5.32	4.23	3
Velocity	7603	7536	88.18	338.43	N 21.6 W	44	6762.64	964.28	-259.41	-1800.91	1819.50	261.80	4.14	0.25	4.14	3
Velocity	7692	7625	88.18	338.20	N 21.8 W	89	6765.44	1048.63	-176.75	-1833.78	1842.28	264.49	0.26	0.04	-0.26	3
Velocity	7781	7714	89.18	338.89	N 21.1 W	89	6767.57	1132.88	-93.94	-1866.32	1868.69	267.12	1.20	0.92	0.78	3
Velocity	7870	7803	90.18	337.77	N 22.2 W	89	6768.19	1217.26	-11.24	-1899.19	1899.22	269.66	1.77	1.25	-1.26	3
Velocity	7959	7892	91.18	340.26	N 19.7 W	89	6767.11	1301.29	71.85	-1931.05	1932.39	272.13	3.06	1.24	2.80	3
Velocity	8048	7981	90.18	339.25	N 20.8 W	89	6765.51	1384.93	155.33	-1961.85	1967.99	274.53	1.24	-0.49	-1.13	3
Velocity	8137	8070	90.18	338.27	N 21.7 W	89	6764.51	1469.10	238.28	-1994.09	2008.27	276.81	1.17	-0.38	-1.10	3
Velocity	8226	8159	90.18	336.89	N 23.1 W	89	6764.09	1553.84	320.55	-2028.03	2053.21	278.98	1.61	-0.45	-1.55	3
Velocity	8315	8248	90.00	336.87	N 23.1 W	89	6763.81	1638.92	402.40	-2062.98	2101.86	281.04	0.26	0.26	-0.02	3

WV Department of Environmental Protection

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Company: Jay-Bee Oil & Gas
 Well: Doc 9
 Location: Tyler Co., WV
 Rig: Precision 823
 API No: 47-095-02626-00-00
 Start Date: 01/25/22 Start Depth: 350

Job Number: 68755 Calculation Method: Minimum Curvature
 Magnetic Declination: -7.73 Proposed Azimuth: 319.8
 Grid Correction: 0.15 Depth Ref: RKB 1053 ft Plan # 1
 Total Correction: -7.88 Field: Marcellus
 North reference: Grid Location Lat/Long: 39.4491135, -80.7682204
 End Date: 02/05/22 End Depth: 12948

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 (ft)		Closure (ft)		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
									+N/-S	+E/-W	Distance	Angle (deg)				
Velocity	8404	8337	90.02	337.12	N 22.9 W	89	6763.56	1723.94	484.32	-2097.76	2152.94	283.00	0.42	-0.31	0.28	3
Velocity	8493	8426	90.19	335.26	N 24.7 W	89	6763.39	1809.32	565.75	-2133.69	2207.42	284.85	2.10	0.19	-2.09	3
Velocity	8582	8515	90.10	335.36	N 24.6 W	89	6763.17	1895.08	646.61	-2170.86	2265.11	286.59	0.15	-0.10	0.11	3
Velocity	8672	8605	90.25	336.15	N 23.9 W	90	6762.89	1981.61	728.67	-2207.82	2324.96	288.27	0.89	0.17	0.88	3
Velocity	8761	8694	89.32	334.84	N 25.2 W	89	6763.23	2067.29	809.65	-2244.73	2386.28	289.83	1.81	-1.04	-1.47	3
Velocity	8850	8783	89.24	335.04	N 25.0 W	89	6764.35	2153.19	890.27	-2282.43	2449.91	291.31	0.24	-0.09	0.22	3
Velocity	8939	8872	89.35	335.58	N 24.4 W	89	6765.44	2238.94	971.12	-2319.60	2514.68	292.72	0.62	0.12	0.61	3
Velocity	9028	8961	89.32	335.94	N 24.1 W	89	6766.47	2324.51	1052.27	-2356.14	2580.44	294.07	0.41	-0.03	0.40	3
Velocity	9117	9050	89.15	335.51	N 24.5 W	89	6767.66	2410.08	1133.39	-2392.72	2647.58	295.35	0.52	-0.19	-0.48	3
Velocity	9206	9139	89.19	335.13	N 24.9 W	89	6768.95	2495.83	1214.26	-2429.88	2716.38	296.55	0.43	0.04	-0.43	3
Velocity	9295	9228	90.38	334.80	N 25.2 W	89	6769.29	2581.73	1294.89	-2467.54	2786.67	297.69	1.39	1.34	-0.37	3
Velocity	9384	9317	90.33	335.67	N 24.3 W	89	6768.73	2667.51	1375.70	-2504.82	2857.74	298.78	0.98	-0.06	0.98	3
Velocity	9473	9406	89.99	337.51	N 22.5 W	89	6768.49	2752.72	1457.37	-2540.18	2928.56	299.84	2.10	-0.38	2.07	3
Velocity	9562	9495	89.99	338.38	N 21.6 W	89	6768.50	2837.29	1539.86	-2573.60	2999.10	300.89	0.98	0.00	0.98	3
Velocity	9651	9584	89.90	338.09	N 21.9 W	89	6768.59	2921.72	1622.52	-2606.60	3070.33	301.90	0.34	-0.10	-0.33	3
Velocity	9740	9673	89.53	337.98	N 22.0 W	89	6769.03	3006.25	1705.06	-2639.89	3142.65	302.86	0.43	-0.42	-0.12	3
Velocity	9828	9761	89.92	338.06	N 21.9 W	88	6769.45	3089.84	1786.66	-2672.83	3214.99	303.76	0.45	0.44	0.09	3
Velocity	9917	9850	91.05	339.57	N 20.4 W	89	6768.70	3173.98	1869.64	-2704.99	3288.24	304.65	2.12	1.27	1.70	3
Velocity	10006	9939	90.67	338.36	N 21.6 W	89	6767.36	3258.03	1952.69	-2736.93	3362.11	305.51	1.42	-0.43	-1.36	3
Velocity	10096	10029	90.62	336.46	N 23.5 W	90	6766.35	3343.80	2035.78	-2771.50	3438.84	306.30	2.11	-0.06	-2.11	3
Velocity	10185	10118	90.79	335.80	N 24.2 W	89	6765.25	3429.21	2117.16	-2807.51	3516.32	307.02	0.77	0.19	-0.74	3
Velocity	10274	10207	90.64	335.63	N 24.4 W	89	6764.14	3514.79	2198.28	-2844.11	3594.63	307.70	0.25	-0.17	-0.19	3
Velocity	10363	10296	90.50	335.57	N 24.4 W	89	6763.26	3600.42	2279.33	-2880.87	3673.52	308.35	0.17	-0.16	-0.07	3
Velocity	10452	10385	90.52	335.44	N 24.6 W	89	6762.47	3686.10	2360.31	-2917.77	3752.93	308.97	0.15	0.02	-0.15	3
Velocity	10541	10474	90.42	335.60	N 24.4 W	89	6761.74	3771.76	2441.31	-2954.65	3832.75	309.57	0.21	-0.11	0.18	3
Velocity	10630	10563	90.47	335.34	N 24.7 W	89	6761.05	3857.45	2522.27	-2991.60	3913.00	310.13	0.30	0.06	-0.29	3
Velocity	10719	10652	90.19	335.39	N 24.6 W	89	6760.53	3943.19	2603.17	-3028.70	3993.68	310.68	0.32	-0.31	0.06	3
Velocity	10808	10741	90.44	335.38	N 24.6 W	89	6760.04	4028.91	2684.08	-3065.77	4074.71	311.20	0.28	0.28	-0.01	3
Velocity	10897	10830	90.32	335.56	N 24.4 W	89	6759.45	4114.60	2765.05	-3102.72	4156.00	311.71	0.24	-0.13	0.20	3
Velocity	10986	10919	90.22	335.23	N 24.8 W	89	6759.03	4200.33	2845.97	-3139.77	4237.65	312.19	0.39	-0.11	-0.37	3
Velocity	11075	11008	90.02	334.97	N 25.0 W	89	6758.85	4286.17	2926.69	-3177.24	4319.77	312.65	0.37	-0.22	-0.29	3
Velocity	11164	11097	88.88	335.20	N 24.8 W	89	6759.70	4372.02	3007.40	-3214.74	4402.16	313.09	1.31	-1.28	0.26	3
Velocity	11253	11186	88.96	334.62	N 25.4 W	89	6761.38	4457.93	3087.99	-3252.47	4484.89	313.51	0.66	0.09	-0.65	3
Velocity	11386	11319	89.32	334.95	N 25.1 W	133	6763.38	4586.39	3208.30	-3309.12	4609.07	314.11	0.37	0.27	0.25	3
Velocity	11430	11363	89.64	335.14	N 24.9 W	44	6763.77	4628.84	3248.20	-3327.68	4650.19	314.31	0.85	0.73	0.43	3
Velocity	11519	11452	89.4	335.90	N 24.1 W	89	6764.51	4714.51	3329.19	-3364.56	4733.26	314.70	0.89	-0.26	0.85	3
Velocity	11608	11541	91.0	337.67	N 22.3 W	89	6764.18	4799.62	3410.98	-3399.64	4815.84	315.10	2.69	1.81	1.99	3
Velocity	11697	11630	91.4	337.59	N 22.4 W	89	6762.23	4884.32	3493.26	-3433.51	4898.15	315.49	0.54	0.53	-0.09	3
Velocity	11786	11719	90.0	337.98	N 22.0 W	89	6760.82	4968.96	3575.64	-3467.15	4980.60	315.88	1.38	-1.30	0.44	3
Velocity	11874	11807	90.0	338.47	N 21.5 W	88	6760.05	5052.45	3657.36	-3499.79	5062.10	316.26	0.68	0.39	0.56	3
Velocity	11963	11896	89.0	335.58	N 24.4 W	89	6760.27	5137.44	3739.29	-3534.53	5145.40	316.61	3.73	-1.83	-3.25	3

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Company: Jay-Bee Oil & Gas
 Well: Doc 9
 Location: Tyler Co., WV
 Rig: Precision 823
 API No: 47-095-02626-00-00
 Start Date: 01/25/22 Start Depth: 350

Job Number: 68755 Calculation Method: Minimum Curvature
 Magnetic Declination: -7.73 Proposed Azimuth: 319.8
 Grid Correction: 0.15 Depth Ref: RKB 1053 ft Plan # 1
 Total Correction: -7.88 Field: Marcellus
 North reference: Grid Location Lat/Long: 39.4491135, -80.7682204
 End Date: 02/05/22 End Depth: 12948

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		Closure		Dogleg Severity (d/100')	Build Rate (d/100')	Walk Rate (d/100')	Run #
									+N/-S (ft)	+E/-W (ft)	Distance (ft)	Angle (deg)				
Velocity	12052	11985	91.75	334.49	N 25.5 W	89	6759.66	5223.30	3819.96	-3572.09	5229.91	316.92	3.28	3.04	-1.22	3
Velocity	12141	12074	91.58	333.86	N 26.1 W	89	6757.07	5309.48	3900.04	-3610.84	5314.93	317.21	0.73	-0.19	-0.71	3
Velocity	12230	12163	91.09	334.03	N 26.0 W	89	6755.00	5395.76	3979.97	-3649.92	5400.20	317.48	0.58	-0.55	0.19	3
Velocity	12318	12251	91.30	334.33	N 25.7 W	88	6753.16	5480.98	4059.17	-3688.24	5484.52	317.74	0.42	0.24	0.34	3
Velocity	12408	12341	90.73	334.38	N 25.6 W	90	6751.57	5568.08	4140.29	-3727.19	5570.81	318.01	0.64	-0.63	0.06	3
Velocity	12498	12431	91.73	336.43	N 23.6 W	90	6749.64	5654.74	4222.10	-3764.63	5656.73	318.28	2.53	1.11	2.28	3
Velocity	12587	12520	91.98	336.08	N 23.9 W	89	6746.76	5740.05	4303.52	-3800.45	5741.41	318.55	0.48	0.28	-0.39	3
Velocity	12678	12611	91.96	336.52	N 23.5 W	91	6743.63	5827.25	4386.80	-3837.01	5828.09	318.82	0.48	-0.02	0.48	3
Velocity	12768	12701	92.44	336.94	N 23.1 W	90	6740.17	5913.28	4469.42	-3872.54	5913.73	319.09	0.71	0.53	0.47	3
Velocity	12858	12791	91.04	336.66	N 23.3 W	90	6737.44	5999.31	4552.10	-3907.97	5999.49	319.35	1.59	-1.56	-0.31	3
Last Svy	12948	12881	90.90	335.76	N 24.2 W	90	6735.92	6085.63	4634.44	-3944.27	6085.67	319.60	1.01	-0.16	-1.00	3
TD Proj	12948	12948	90.90	335.76	N 24.2 W	67	6734.87	6150.04	4695.53	-3971.78	6150.04	319.77	0.00	0.00	0.00	3

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