

~WELL INFORMATION

WELL NAME: BONNETTE MSH 8 WB#1
 FILE CREATED: 3/1/2016 15:20
 START DEPTH: 0
 STOP DEPTH: 11791
 PLAY: West Virginia
 COUNTY: Marshall Co. WV
 SHL LATITUDE: 39.721548
 SHL LONGITUDE: -80.711874
 SHL NORTHING: 14425470.53
 SHL EASTING: 1721433.503
 DATUM ELEVATION: 1453.6
 GROUND ELEVATION: 1427.6
 MAP DATUM: NAD83 West Virginia - HARN
 MAP SYSTEM: Universal Transverse Mercator (US Survey Feet)
 MAP ZONE: Zone 17N (84 W to 78 W)
 MAG DEC: -7.9
 DEC DATE: 6/13/2015
 MAG MODEL: HDGM
 MAG DIP: 67.15
 MAG STRENGTH: 52609.9
 NORTH REF: Grid
 GRID CONV: 0.18
 TOTAL CORR: -8.08
 VS REF: Slot
 VS AZI: 124.21

~SURVEY DATA

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	TOOL
0	0	0	0	0	0	0	0	UNDEFINED
100		0.66	303.45	100	0.32	-0.48	-0.58	0.66 MS-SRG-WLINE (1)
200		0.47	320.62	199.99	0.95	-1.22	-1.55	0.25 MS-SRG-WLINE (1)
300		0.19	352.35	299.99	1.43	-1.5	-2.05	0.32 MS-SRG-WLINE (1)
400		0.4	306.77	399.99	1.81	-1.81	-2.51	0.3 MS-SRG-WLINE (1)
455		0.52	336.99	454.99	2.15	-2.06	-2.91	0.48 MS-SRG-WLINE (1)
491		0.33	333.54	490.99	2.39	-2.17	-3.14	0.53 MS-SRG-WLINE (1)
521		0.3	288.21	520.99	2.5	-2.28	-3.29	0.81 MS-SRG-WLINE (1)
552		0.37	177.5	551.99	2.42	-2.35	-3.31	1.78 MS-SRG-WLINE (1)
595		0.5	186.37	594.99	2.1	-2.37	-3.14	0.34 MS-SRG-WLINE (1)
639		0.49	213.6	638.98	1.75	-2.49	-3.04	0.53 MS-SRG-WLINE (1)
681		0.92	219.39	680.98	1.34	-2.81	-3.07	1.04 MS-SRG-WLINE (1)
749		1.33	224.38	748.97	0.35	-3.7	-3.26	0.62 MWD (2)
808		1.25	226.56	807.95	-0.58	-4.65	-3.52	0.16 MWD (2)
851		0.63	214.11	850.95	-1.1	-5.12	-3.62	1.51 MWD (2)
894		0.59	75.07	893.95	-1.24	-5.04	-3.48	2.66 MWD (2)
981		2.97	57.83	980.9	0.08	-2.7	-2.28	2.77 MWD (2)
1024		4.07	54.34	1023.82	1.56	-0.52	-1.31	2.61 MWD (2)
1068		4.72	57.46	1067.69	3.45	2.28	-0.06	1.57 MWD (2)
1155		5.5	59.77	1154.34	7.47	8.9	3.16	0.93 MWD (2)
1285		5.33	70.33	1283.76	12.64	19.96	9.4	0.78 MWD (2)
1328		5.54	70.52	1326.57	14	23.8	11.81	0.49 MWD (2)
1415		4.11	65.31	1413.26	16.71	30.59	15.91	1.72 MWD (2)
1502		3.64	55.93	1500.06	19.56	35.71	18.54	0.91 MWD (2)
1588		3.76	50.57	1585.88	22.88	40.15	20.34	0.43 MWD (2)
1674		4.26	50.77	1671.67	26.69	44.81	22.05	0.58 MWD (2)
1761		4.07	55.56	1758.44	30.48	49.86	24.09	0.46 MWD (2)
1848		3.27	64.33	1845.26	33.3	54.64	26.46	1.12 MWD (2)
1935		2.46	66.41	1932.15	35.12	58.59	28.7	0.94 MWD (2)
2022		1.79	65.62	2019.09	36.43	61.54	30.41	0.77 MWD (2)
2108		0.86	63.39	2105.07	37.27	63.34	31.42	1.08 MWD (2)
2195		0.35	66.38	2192.06	37.67	64.16	31.88	0.59 MWD (2)
2282		0.14	87.27	2279.06	37.78	64.51	32.11	0.26 MWD (2)
2368		0.26	202.9	2365.06	37.61	64.54	32.23	0.4 MWD (2)
2455		0.45	237.01	2452.06	37.24	64.18	32.14	0.32 MWD (2)
2542		0.9	248.57	2539.06	36.8	63.26	31.62	0.54 MWD (2)

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2628	1.03	277.69	2625.04	36.66	61.86	30.55	0.58	MWD (2)
2715	1.1	307.98	2712.03	37.28	60.43	29.01	0.64	MWD (2)
2729	1.11	316.85	2726.03	37.46	60.23	28.75	1.22	MWD (2)
2844	1.61	330.45	2840.99	39.68	58.67	26.21	0.51	MWD (2)
2888	1.67	331.47	2884.98	40.78	58.06	25.09	0.15	MWD (2)
2974	2.76	340.34	2970.91	43.83	56.76	22.3	1.32	MWD (2)
3061	4.38	355.67	3057.74	49.12	55.81	18.54	2.15	MWD (2)
3148	6.27	0.09	3144.36	57.18	55.56	13.8	2.22	MWD (2)
3234	8.15	2.06	3229.68	67.97	55.79	7.92	2.2	MWD (2)
3321	10.54	1.76	3315.52	82.09	56.26	0.37	2.75	MWD (2)
3407	11.05	0.33	3400	98.19	56.55	-8.44	0.67	MWD (2)
3494	12.11	0.69	3485.22	115.66	56.7	-18.13	1.22	MWD (2)
3581	12.53	4.45	3570.22	134.19	57.55	-27.86	1.04	MWD (2)
3667	12.25	4.33	3654.22	152.59	58.96	-37.03	0.33	MWD (2)
3756	11.65	4.24	3741.29	170.96	60.34	-46.22	0.67	MWD (2)
3844	12.31	2.11	3827.37	189.2	61.34	-55.65	0.9	MWD (2)
3931	12.97	359.61	3912.26	208.23	61.61	-66.12	0.99	MWD (2)
4018	12.99	2.82	3997.04	227.76	62.03	-76.76	0.83	MWD (2)
4105	12.52	2.9	4081.9	246.95	62.99	-86.75	0.54	MWD (2)
4191	11.94	2.56	4165.94	265.14	63.86	-96.26	0.68	MWD (2)
4278	12.8	1.63	4250.92	283.77	64.53	-106.17	1.01	MWD (2)
4365	12.48	1.03	4335.81	302.8	64.97	-116.51	0.4	MWD (2)
4452	12.74	3.74	4420.72	321.77	65.77	-126.52	0.74	MWD (2)
4538	13.29	2.24	4504.51	341.11	66.77	-136.56	0.75	MWD (2)
4625	13.03	2.9	4589.22	360.9	67.66	-146.95	0.35	MWD (2)
4712	13.12	5.08	4673.97	380.53	69.03	-156.85	0.58	MWD (2)
4798	12.3	1.7	4757.86	399.41	70.17	-166.53	1.29	MWD (2)
4885	13.24	0.01	4842.71	418.63	70.44	-177.11	1.16	MWD (2)
4972	14.08	359.78	4927.25	439.18	70.41	-188.69	0.97	MWD (2)
5060	14.81	2.28	5012.46	461.12	70.81	-200.69	1.09	MWD (2)
5147	13.57	5.7	5096.81	482.39	72.27	-211.45	1.72	MWD (2)
5234	13	6.11	5181.48	502.28	74.32	-220.93	0.66	MWD (2)
5321	12.58	2.83	5266.32	521.47	75.83	-230.47	0.96	MWD (2)
5407	12.38	358.35	5350.29	540.04	76.03	-240.75	1.15	MWD (2)
5494	12.88	357.5	5435.19	559.05	75.34	-252.01	0.61	MWD (2)
5581	13.54	0.74	5519.89	578.92	75.05	-263.42	1.14	MWD (2)
5667	14.04	2.41	5603.41	599.41	75.62	-274.47	0.74	MWD (2)
5754	13.94	1.13	5687.83	620.43	76.27	-285.75	0.37	MWD (2)
5843	13.13	1.91	5774.35	641.25	76.81	-297	0.93	MWD (2)
5929	12.22	0.26	5858.26	660.12	77.18	-307.31	1.14	MWD (2)
6016	12.26	359.93	5943.28	678.56	77.21	-317.65	0.09	MWD (2)
6103	12.8	0.17	6028.21	697.43	77.23	-328.25	0.62	MWD (2)
6189	13.27	1.22	6111.99	716.83	77.47	-338.96	0.61	MWD (2)
6215	13.64	1.81	6137.28	722.88	77.63	-342.22	1.52	MWD (2)
6299	13.6	1.47	6218.92	742.65	78.19	-352.87	0.11	MWD (2)
6342	11.51	2.6	6260.89	751.99	78.52	-357.86	4.89	MWD (2)
6385	9.34	12.48	6303.18	759.68	79.47	-361.4	6.52	MWD (2)
6429	7.91	36.72	6346.69	765.6	82.05	-362.59	8.8	MWD (2)
6472	8.46	63.6	6389.27	769.38	86.65	-360.9	8.91	MWD (2)
6515	9.31	82.29	6431.76	771.25	92.94	-356.76	6.96	MWD (2)
6602	10.79	97.67	6517.44	771.11	107.98	-344.24	3.51	MWD (2)
6689	12.5	106.4	6602.65	767.36	125.09	-327.99	2.82	MWD (2)
6777	18.4	107.83	6687.44	760.42	147.47	-305.57	6.72	MWD (2)
6864	25.26	109.66	6768.15	749.95	178.05	-274.4	7.92	MWD (2)
6897	27.95	109.98	6797.65	744.94	191.96	-260.08	8.16	MWD (2)
6951	32.19	112.03	6844.38	735.22	217.19	-233.74	8.08	MWD (2)
7037	38.52	117.55	6914.5	714.21	262.23	-184.69	8.24	MWD (2)
7063	41.18	119.69	6934.46	706.23	276.85	-168.11	11.51	MWD (2)
7106	45.92	122.17	6965.62	690.98	302.24	-138.55	11.72	MWD (2)
7150	52.14	124.45	6994.45	672.72	329.97	-105.35	14.67	MWD (2)
7193	58.34	126.33	7018.96	652.26	358.74	-70.05	14.86	MWD (2)
7236	65.14	127.62	7039.31	629.48	388.97	-32.24	16.02	MWD (2)
7280	70.13	128.55	7056.05	604.38	420.98	8.34	11.51	MWD (2)
7323	73.38	130.73	7069.51	578.33	452.42	48.99	8.96	MWD (2)
7366	76.25	132.36	7080.77	550.81	483.47	90.14	7.61	MWD (2)
7410	79.09	132.27	7090.17	521.87	515.25	132.69	6.46	MWD (2)

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7453	82.52	132.4	7097.04	493.29	546.62	174.71	7.98	MWD (2)
7496	85.68	132.82	7101.45	464.34	578.1	217.01	7.41	MWD (2)
7540	89.44	133.8	7103.33	434.19	610.08	260.41	8.83	MWD (2)
7626	88.4	133.16	7104.95	375.02	672.47	345.27	1.42	MWD (2)
7713	88.27	133.03	7107.48	315.61	735.97	431.19	0.21	MWD (2)
7800	88.46	134.41	7109.96	255.51	798.82	516.96	1.6	MWD (2)
7888	87.22	135.1	7113.28	193.59	861.27	603.41	1.61	MWD (2)
7974	87.72	135.11	7117.07	132.73	921.91	687.78	0.58	MWD (2)
8061	87.41	134.65	7120.77	71.4	983.5	773.2	0.64	MWD (2)
8148	87.88	134.12	7124.34	10.59	1045.62	858.75	0.81	MWD (2)
8235	86.98	132.74	7128.24	-49.15	1108.74	944.54	1.89	MWD (2)
8322	87.84	132.36	7132.18	-107.92	1172.76	1030.53	1.08	MWD (2)
8408	87.47	133.68	7135.69	-166.55	1235.58	1115.44	1.59	MWD (2)
8495	86.55	133.89	7140.23	-226.66	1298.31	1201.11	1.08	MWD (2)
8582	86.92	133.59	7145.19	-286.72	1361.06	1286.77	0.55	MWD (2)
8669	86.92	133.43	7149.86	-346.53	1424.07	1372.51	0.18	MWD (2)
8756	88.46	135.05	7153.37	-407.17	1486.34	1458.1	2.57	MWD (2)
8843	88.4	136.55	7155.75	-469.52	1546.97	1543.29	1.72	MWD (2)
8930	88.52	136.29	7158.09	-532.52	1606.92	1628.3	0.33	MWD (2)
9018	87.04	134.41	7161.5	-595.07	1668.72	1714.57	2.72	MWD (2)
9105	89.01	136.16	7164.5	-656.86	1729.89	1799.89	3.03	MWD (2)
9191	89.38	133.13	7165.71	-717.28	1791.06	1884.45	3.55	MWD (2)
9278	87.97	131.88	7167.72	-776.04	1855.18	1970.51	2.17	MWD (2)
9365	87.53	132.22	7171.13	-834.26	1919.73	2056.63	0.64	MWD (2)
9452	89.14	134.44	7173.66	-893.93	1982.98	2142.48	3.15	MWD (2)
9539	88.03	132.55	7175.81	-953.79	2046.07	2228.31	2.52	MWD (2)
9625	88.58	133.13	7178.35	-1012.24	2109.1	2313.3	0.93	MWD (2)
9712	88.77	132.01	7180.37	-1071.08	2173.16	2399.35	1.31	MWD (2)
9799	88.34	130.91	7182.56	-1128.66	2238.33	2485.63	1.36	MWD (2)
9886	88.58	130.13	7184.9	-1185.17	2304.44	2572.07	0.94	MWD (2)
9972	88.28	131.66	7187.26	-1241.45	2369.43	2657.45	1.81	MWD (2)
10059	89.57	134.55	7188.89	-1300.88	2432.93	2743.38	3.64	MWD (2)
10146	88.21	134.5	7190.57	-1361.87	2494.94	2828.95	1.56	MWD (2)
10233	88.46	133.43	7193.1	-1422.24	2557.53	2914.66	1.26	MWD (2)
10319	89.2	134.37	7194.86	-1481.86	2619.48	2999.41	1.39	MWD (2)
10408	89.82	134.18	7195.62	-1543.99	2683.2	3087.04	0.73	MWD (2)
10495	89.08	134	7196.45	-1604.52	2745.69	3172.74	0.88	MWD (2)
10582	89.32	133.5	7197.67	-1664.68	2808.53	3258.53	0.64	MWD (2)
10669	89.26	134.33	7198.75	-1725.02	2871.2	3344.28	0.96	MWD (2)
10755	89.07	134.93	7200	-1785.43	2932.39	3428.85	0.73	MWD (2)
10842	89.82	135.79	7200.84	-1847.33	2993.52	3514.2	1.31	MWD (2)
10929	89.2	134.99	7201.59	-1909.26	3054.61	3599.55	1.16	MWD (2)
11016	88.83	132.76	7203.08	-1969.54	3117.31	3685.3	2.6	MWD (2)
11102	89.38	132.26	7204.43	-2027.65	3180.7	3770.38	0.86	MWD (2)
11189	88.46	131.99	7206.07	-2085.99	3245.22	3856.54	1.1	MWD (2)
11276	88.27	132.78	7208.55	-2144.62	3309.45	3942.62	0.93	MWD (2)
11363	88.27	134.33	7211.17	-2204.53	3372.47	4028.42	1.78	MWD (2)
11449	88.83	134.18	7213.35	-2264.53	3434.05	4113.08	0.67	MWD (2)
11536	87.72	134.56	7215.97	-2325.34	3496.21	4198.67	1.35	MWD (2)
11623	89.14	135	7218.35	-2386.6	3557.94	4284.16	1.71	MWD (2)
11731	91.05	135.7	7218.17	-2463.42	3633.83	4390.12	1.88	MWD (2)
11791	91.05	135.7	7217.07	-2506.36	3675.73	4448.91	0	MWD (2)

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