

~WELL INFORMATION

WELL NAME: BONNETTE MSH 1 WB#1
 FILE CREATED: 3/1/2016 15:21
 START DEPTH: 0
 STOP DEPTH: 12734
 PLAY: West Virginia
 COUNTY: Marshall Co. WV
 SHL LATITUDE: 39.721492
 SHL LONGITUDE: -80.71181
 SHL NORTHING: 14425450.09
 SHL EASTING: 1721451.631
 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: -8.64
 DEC DATE: 7/1/2015
 MAG MODEL: BGGM2015
 MAG DIP: 67.08
 MAG STRENGTH: 52367.84
 NORTH REF: Grid
 GRID CONV: 0.18
 TOTAL CORR: -8.82
 VS REF: Slot
 VS AZI: 300.31

~SURVEY DATA

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	TOOL
0		0	0	0	0	0	0	0 UNDEFINED
173		0.2	346.19	173	0.29	-0.07	0.21	0.12 EMS (1)
248		0.4	15.79	248	0.67	-0.03	0.37	0.33 EMS (1)
339		0.3	299.19	339	1.09	-0.15	0.68	0.48 EMS (1)
443		0.1	268.39	443	1.22	-0.48	1.03	0.21 EMS (1)
520		0.5	319.79	520	1.48	-0.77	1.41	0.58 EMS (1)
610		0.4	297.59	609.99	1.92	-1.3	2.09	0.22 EMS (1)
761		0.16	227.64	760.99	2.03	-1.92	2.68	0.25 MWD (2)
807		0.93	229.44	806.99	1.74	-2.25	2.82	1.67 MWD (2)
850		1.73	220.56	849.98	1.02	-2.94	3.05	1.92 MWD (2)
893		2.36	226.07	892.95	-0.09	-4	3.41	1.53 MWD (2)
937		3.03	226.98	936.9	-1.51	-5.5	3.99	1.53 MWD (2)
981		3.73	231.34	980.82	-3.2	-7.47	4.84	1.69 MWD (2)
1024		4.31	236.93	1023.72	-4.95	-9.92	6.06	1.63 MWD (2)
1067		4.72	237.31	1066.58	-6.79	-12.76	7.59	0.96 MWD (2)
1110		4.89	240.14	1109.43	-8.66	-15.84	9.3	0.68 MWD (2)
1197		5.7	241.06	1196.06	-12.59	-22.83	13.36	0.94 MWD (2)
1283		6.34	244.31	1281.59	-16.72	-30.85	18.2	0.84 MWD (2)
1370		4.66	239.88	1368.18	-20.58	-38.24	22.63	1.99 MWD (2)
1457		3.66	243.44	1454.95	-23.59	-43.78	25.89	1.19 MWD (2)
1543		2.67	238.3	1540.82	-25.87	-47.94	28.33	1.2 MWD (2)
1630		1.77	221.11	1627.76	-27.95	-50.54	29.53	1.28 MWD (2)
1717		1.64	212.28	1714.72	-30.01	-52.09	29.83	0.34 MWD (2)
1804		1.46	209.52	1801.69	-32.03	-53.3	29.85	0.22 MWD (2)
1890		1.1	189.73	1887.66	-33.8	-53.98	29.55	0.66 MWD (2)
1977		0.63	187.77	1974.65	-35.09	-54.19	29.07	0.54 MWD (2)
2064		0.14	23.65	2061.65	-35.47	-54.21	28.9	0.88 MWD (2)
2151		0.47	31.86	2148.65	-35.07	-53.98	28.9	0.38 MWD (2)
2237		0.98	52.26	2234.64	-34.32	-53.21	28.62	0.66 MWD (2)
2324		1.12	50.73	2321.63	-33.33	-51.97	28.04	0.16 MWD (2)
2410		1.33	52.09	2407.61	-32.18	-50.53	27.38	0.25 MWD (2)
2497		1.11	33.8	2494.59	-30.86	-49.26	26.95	0.51 MWD (2)
2584		1.06	13.09	2581.58	-29.38	-48.61	27.14	0.45 MWD (2)

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2670	1.38	359.66	2667.56	-27.57	-48.44	27.9	0.5	MWD (2)
2698	1.46	357.89	2695.55	-26.87	-48.45	28.27	0.33	MWD (2)
2787	2.21	350.7	2784.5	-24.05	-48.77	29.97	0.88	MWD (2)
2874	1.94	307.94	2871.45	-21.48	-50.2	32.5	1.76	MWD (2)
2960	3.16	256.09	2957.37	-21.16	-53.65	35.64	2.89	MWD (2)
3046	5.14	244.23	3043.14	-23.4	-59.42	39.49	2.5	MWD (2)
3133	7.77	233.18	3129.59	-28.62	-67.64	43.95	3.33	MWD (2)
3220	10.62	231.24	3215.46	-37.17	-78.6	49.1	3.29	MWD (2)
3306	13.3	233.81	3299.59	-47.97	-92.77	55.88	3.18	MWD (2)
3393	16.12	235.15	3383.73	-60.79	-110.76	64.94	3.26	MWD (2)
3481	17.25	235.19	3468.02	-75.22	-131.5	75.57	1.28	MWD (2)
3570	17	236.19	3553.08	-89.99	-153.15	86.8	0.43	MWD (2)
3657	16.63	235.19	3636.36	-104.17	-173.94	97.59	0.54	MWD (2)
3744	17.14	236.93	3719.61	-118.28	-194.9	108.57	0.83	MWD (2)
3830	16.91	240.58	3801.84	-131.33	-216.41	120.55	1.27	MWD (2)
3917	17.65	241	3884.91	-143.94	-238.97	133.66	0.86	MWD (2)
4004	17.71	240.41	3967.8	-156.87	-262.01	147.03	0.22	MWD (2)
4091	17.46	240.12	4050.74	-169.91	-284.84	160.15	0.3	MWD (2)
4177	17.13	240.03	4132.85	-182.66	-307	172.85	0.38	MWD (2)
4264	16.63	239.68	4216.1	-195.35	-328.84	185.3	0.59	MWD (2)
4351	16.42	239.87	4299.51	-207.81	-350.22	197.48	0.25	MWD (2)
4438	16.92	240.67	4382.85	-220.18	-371.9	209.94	0.63	MWD (2)
4524	17.4	242.07	4465.02	-232.33	-394.17	223.03	0.74	MWD (2)
4611	16.3	241.21	4548.29	-244.31	-416.36	236.15	1.3	MWD (2)
4698	17.35	240.09	4631.56	-256.65	-438.31	248.87	1.26	MWD (2)
4784	18.23	239.79	4713.45	-269.82	-461.05	261.85	1.03	MWD (2)
4873	17.52	238.62	4798.15	-283.8	-484.51	275.06	0.89	MWD (2)
4960	17.44	237.7	4881.13	-297.58	-506.71	287.27	0.33	MWD (2)
5046	17.69	238.18	4963.12	-311.36	-528.71	299.3	0.34	MWD (2)
5133	17.46	239.74	5046.06	-324.91	-551.22	311.9	0.6	MWD (2)
5220	17.22	243.07	5129.11	-337.32	-573.97	325.28	1.17	MWD (2)
5306	17.66	242.46	5211.16	-349.11	-596.89	339.11	0.55	MWD (2)
5393	17.69	239.75	5294.05	-361.87	-620.01	352.63	0.95	MWD (2)
5480	17.59	237.2	5376.96	-375.65	-642.48	365.07	0.9	MWD (2)
5566	17.82	235.53	5458.89	-390.14	-664.25	376.55	0.65	MWD (2)
5655	18.66	236.76	5543.42	-405.65	-687.38	388.7	1.04	MWD (2)
5742	18.37	238.47	5625.92	-420.45	-710.71	401.37	0.71	MWD (2)
5829	18.2	241.07	5708.52	-434.19	-734.29	414.79	0.96	MWD (2)
5915	17.97	239.92	5790.28	-447.34	-757.52	428.21	0.49	MWD (2)
6002	17.63	241.76	5873.11	-460.3	-780.74	441.72	0.76	MWD (2)
6089	16.84	241	5956.2	-472.64	-803.37	455.02	0.94	MWD (2)
6176	17.81	240.17	6039.26	-485.37	-825.93	468.08	1.15	MWD (2)
6262	18.61	240.49	6120.95	-498.67	-849.29	481.53	0.94	MWD (2)
6349	18.17	236.98	6203.51	-512.9	-872.74	494.59	1.37	MWD (2)
6436	18.23	240.14	6286.16	-527.07	-895.92	507.45	1.14	MWD (2)
6508	17.66	242.64	6354.66	-537.7	-915.38	518.89	1.33	MWD (2)
6548	17.59	243.34	6392.78	-543.2	-926.17	525.43	0.56	MWD (3)
6591	17.59	242.82	6433.77	-549.08	-937.76	532.47	0.37	MWD (3)
6634	17.76	257.68	6474.76	-553.45	-949.95	540.79	10.47	MWD (3)
6680	19.6	274.83	6518.37	-554.3	-964.51	552.93	12.54	MWD (3)
6723	22.62	281.24	6558.48	-552.08	-979.81	567.26	8.83	MWD (3)
6766	25.61	284.37	6597.73	-548.16	-996.93	584.01	7.56	MWD (3)
6810	28.56	286.58	6636.9	-542.8	-1016.23	603.38	7.08	MWD (3)
6853	31.15	287.66	6674.19	-536.49	-1036.68	624.22	6.15	MWD (3)
6896	33.07	289.78	6710.61	-529.14	-1058.32	646.61	5.18	MWD (3)
6940	35.88	292.68	6746.88	-520.11	-1081.52	671.2	7.39	MWD (3)
6983	39.26	294.5	6780.96	-509.6	-1105.53	697.23	8.27	MWD (3)
7027	42.79	294.51	6814.15	-497.63	-1131.81	725.96	8.02	MWD (3)
7070	45.94	294.67	6844.89	-485.11	-1159.14	755.87	7.33	MWD (3)
7113	48.66	296.44	6874.05	-471.48	-1187.65	787.36	7.01	MWD (3)
7157	51.15	298.04	6902.38	-456.06	-1217.56	820.97	6.31	MWD (3)
7200	53.18	298.12	6928.76	-440.08	-1247.52	854.9	4.72	MWD (3)
7244	55	298.95	6954.56	-423.05	-1278.83	890.52	4.41	MWD (3)

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7287	58.09	300.08	6978.27	-405.38	-1310.04	926.38	7.51	MWD (3)
7330	62.22	302.28	6999.66	-386.06	-1341.93	963.67	10.58	MWD (3)
7373	66.59	305.02	7018.24	-364.56	-1374.19	1002.36	11.67	MWD (3)
7417	69.6	305.53	7034.65	-340.99	-1407.52	1043.03	6.92	MWD (3)
7460	72.08	305.9	7048.76	-317.28	-1440.49	1083.46	5.82	MWD (3)
7504	76.06	306.24	7060.84	-292.37	-1474.68	1125.55	9.08	MWD (3)
7547	80.39	307.61	7069.61	-267.09	-1508.33	1167.36	10.54	MWD (3)
7590	85.25	308.44	7074.98	-240.81	-1541.92	1209.62	11.46	MWD (3)
7634	90.43	309.11	7076.64	-213.29	-1576.19	1253.09	11.87	MWD (3)
7677	91.85	309.08	7075.78	-186.18	-1609.55	1295.58	3.3	MWD (3)
7721	92.9	309.01	7073.96	-158.48	-1643.7	1339.03	2.39	MWD (3)
7808	95.06	309.64	7067.92	-103.49	-1710.83	1424.74	2.59	MWD (3)
7895	93.21	309.96	7061.65	-47.94	-1777.49	1510.33	2.16	MWD (3)
7982	91.42	311.85	7058.14	8.97	-1843.19	1595.77	2.99	MWD (3)
8069	91.94	310.99	7055.58	66.5	-1908.4	1681.1	1.15	MWD (3)
8155	94.5	310.07	7050.75	122.3	-1973.65	1765.59	3.16	MWD (3)
8242	93.39	310.39	7044.77	178.35	-2039.92	1851.09	1.33	MWD (3)
8329	91.11	310.7	7041.35	234.86	-2105.97	1936.63	2.64	MWD (3)
8416	91.85	311.09	7039.11	291.8	-2171.71	2022.12	0.96	MWD (3)
8502	91.97	311.63	7036.24	348.59	-2236.23	2106.48	0.64	MWD (3)
8590	90.99	310.14	7033.97	406.17	-2302.73	2192.95	2.03	MWD (3)
8676	90.62	311.17	7032.76	462.19	-2367.97	2277.54	1.27	MWD (3)
8763	90.8	310.82	7031.68	519.26	-2433.63	2363.03	0.45	MWD (3)
8850	91.17	311.89	7030.19	576.73	-2498.92	2448.4	1.3	MWD (3)
8939	91.11	312.53	7028.41	636.52	-2564.83	2535.47	0.72	MWD (3)
9025	91.97	312.07	7026.1	694.37	-2628.41	2619.56	1.13	MWD (3)
9112	91.17	311.85	7023.72	752.52	-2693.08	2704.74	0.95	MWD (3)
9199	91.05	312.13	7022.03	810.71	-2757.73	2789.92	0.35	MWD (3)
9285	91.42	312.33	7020.18	868.5	-2821.4	2874.05	0.49	MWD (3)
9372	91.85	312.43	7017.7	927.12	-2885.64	2959.09	0.51	MWD (3)
9459	91.11	312.09	7015.45	985.61	-2950.01	3044.18	0.94	MWD (3)
9546	91.29	311.49	7013.63	1043.57	-3014.86	3129.42	0.72	MWD (3)
9633	91.66	311.91	7011.39	1101.43	-3079.79	3214.67	0.64	MWD (3)
9719	90.93	311.92	7009.45	1158.86	-3143.77	3298.89	0.85	MWD (3)
9806	91.17	311.68	7007.85	1216.84	-3208.62	3384.14	0.39	MWD (3)
9893	91.66	312.01	7005.7	1274.86	-3273.41	3469.35	0.68	MWD (3)
9979	91.29	312.05	7003.49	1332.42	-3337.27	3553.53	0.43	MWD (3)
10066	90.62	311.99	7002.04	1390.65	-3401.89	3638.71	0.77	MWD (3)
10153	91.23	312.21	7000.64	1448.97	-3466.43	3723.86	0.75	MWD (3)
10240	92.22	310.9	6998.02	1506.65	-3531.51	3809.15	1.89	MWD (3)
10328	91.36	311.19	6995.27	1564.41	-3597.84	3895.57	1.03	MWD (3)
10415	91.42	310.8	6993.16	1621.46	-3663.49	3981.03	0.45	MWD (3)
10502	90.55	310.62	6991.66	1678.2	-3729.42	4066.59	1.02	MWD (3)
10589	91.11	310.88	6990.4	1734.98	-3795.33	4152.14	0.71	MWD (3)
10676	91.73	311.29	6988.25	1792.14	-3860.88	4237.58	0.85	MWD (3)
10763	91.17	311.54	6986.04	1849.67	-3926.1	4322.92	0.7	MWD (3)
10849	91.48	312.15	6984.06	1907.03	-3990.15	4407.16	0.8	MWD (3)
10936	91.85	312.3	6981.53	1965.47	-4054.55	4492.25	0.46	MWD (3)
11023	91.79	312.16	6978.76	2023.91	-4118.94	4577.33	0.18	MWD (3)
11110	92.12	312.05	6975.8	2082.21	-4183.44	4662.45	0.4	MWD (3)
11196	91.23	311.97	6973.28	2139.74	-4247.32	4746.62	1.04	MWD (3)
11283	91.66	311.53	6971.09	2197.66	-4312.2	4831.87	0.71	MWD (3)
11370	90.71	311.35	6969.29	2255.22	-4377.41	4917.21	1.11	MWD (3)
11456	90.99	311.71	6968.01	2312.24	-4441.78	5001.56	0.53	MWD (3)
11543	91.85	312.31	6965.86	2370.44	-4506.4	5086.72	1.21	MWD (3)
11630	91.11	312.4	6963.61	2429.04	-4570.67	5171.78	0.86	MWD (3)
11716	91.36	310.89	6961.76	2486.17	-4634.92	5256.08	1.78	MWD (3)
11805	91.6	311.16	6959.46	2544.57	-4702.04	5343.5	0.41	MWD (3)
11891	91.15	311.17	6957.39	2601.16	-4766.77	5427.93	0.52	MWD (3)
11978	89.94	310.41	6956.57	2657.99	-4832.63	5513.48	1.64	MWD (3)
12065	90.68	310.29	6956.1	2714.32	-4898.93	5599.14	0.86	MWD (3)
12151	91.36	310.19	6954.57	2769.87	-4964.57	5683.84	0.8	MWD (3)
12240	91.6	307.68	6952.27	2825.77	-5033.77	5771.8	2.83	MWD (3)

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12327	91.73	307.84	6949.74	2879.03	-5102.52	5858.03	0.24	MWD (3)
12413	91.79	313.06	6947.1	2934.78	-5167.91	5942.61	6.07	MWD (3)
12500	92.53	313.24	6943.82	2994.23	-5231.34	6027.38	0.88	MWD (3)
12587	92.41	313.95	6940.07	3054.17	-5294.29	6111.97	0.83	MWD (3)
12674	92.12	313.46	6936.63	3114.23	-5357.13	6196.54	0.65	MWD (3)
12734	91.73	308.5	6934.61	3153.55	-5402.39	6255.45	8.29	MWD (3)

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3670	30.95	244.22	3621.51	-67.54	-383.39	-57.2	4.47	MWD (3)
3759	34.28	244.12	3696.46	-88.44	-426.56	-51.03	3.74	MWD (3)
3845	34.33	244.47	3767.5	-109.46	-470.24	-44.9	0.24	MWD (3)
3932	34.18	245.06	3839.41	-130.34	-514.53	-39.11	0.42	MWD (3)
4019	33.21	241.9	3911.8	-151.87	-557.71	-32.34	2.3	MWD (3)
4106	33.27	241.47	3984.57	-174.49	-599.69	-24.16	0.28	MWD (3)
4192	33.41	242.09	4056.41	-196.84	-641.34	-16.14	0.43	MWD (3)
4279	33.02	243.01	4129.2	-218.8	-683.63	-8.67	0.73	MWD (3)
4366	32.47	244.3	4202.37	-239.69	-725.8	-2.19	1.02	MWD (3)
4452	32.37	242.66	4274.97	-260.28	-767.05	4.28	1.03	MWD (3)
4539	32.63	241.73	4348.35	-282.08	-808.4	11.89	0.65	MWD (3)
4626	33.47	242.02	4421.27	-304.45	-850.24	19.87	0.98	MWD (3)
4713	35.02	241.78	4493.19	-327.51	-893.43	28.09	1.79	MWD (3)
4799	32.71	245.88	4564.6	-348.68	-936.39	34.58	3.78	MWD (3)
4886	32.1	246.73	4638.05	-367.41	-979.08	38.86	0.88	MWD (3)
4973	32.78	246.12	4711.48	-386.08	-1021.85	43.03	0.87	MWD (3)
5061	33.36	244.77	4785.22	-406.04	-1065.52	48.15	1.07	MWD (3)
5148	33.66	243.33	4857.76	-427.06	-1108.71	54.43	0.98	MWD (3)
5235	33.88	244.18	4930.08	-448.44	-1152.08	61	0.6	MWD (3)
5321	33.74	244.03	5001.54	-469.34	-1195.13	67.21	0.19	MWD (3)
5408	35.2	244.25	5073.26	-490.82	-1239.44	73.57	1.68	MWD (3)
5495	34.52	242.65	5144.65	-513.03	-1283.92	80.57	1.31	MWD (3)
5582	33.96	242.04	5216.57	-535.75	-1327.28	88.41	0.75	MWD (3)
5668	34.04	241.83	5287.87	-558.38	-1369.72	96.45	0.17	MWD (3)
5755	33.24	242.83	5360.3	-580.76	-1412.4	104.19	1.12	MWD (3)
5843	33.16	243.17	5433.94	-602.64	-1455.33	111.36	0.23	MWD (3)
5930	33.83	243.99	5506.49	-624	-1498.33	118.02	0.93	MWD (3)
6017	34.28	244.31	5578.57	-645.24	-1542.17	124.3	0.56	MWD (3)
6104	34.3	243.56	5650.45	-666.78	-1586.2	130.81	0.49	MWD (3)
6190	34.01	243.5	5721.62	-688.3	-1629.42	137.55	0.34	MWD (3)
6277	34.06	243.79	5793.71	-709.91	-1673.05	144.26	0.2	MWD (3)
6364	32.92	244.3	5866.27	-730.93	-1716.22	150.54	1.35	MWD (3)
6451	31.65	244.73	5939.82	-750.92	-1758.16	156.24	1.48	MWD (3)
6537	31.38	245.31	6013.13	-769.91	-1798.91	161.36	0.47	MWD (3)
6624	31.92	246.13	6087.19	-788.68	-1840.52	166	0.79	MWD (3)
6711	32.87	245.09	6160.65	-807.93	-1882.97	170.84	1.27	MWD (3)
6797	32.08	242.06	6233.21	-828.46	-1924.31	177.24	2.1	MWD (3)
6839	31.43	242.02	6268.92	-838.82	-1943.84	180.9	1.55	MWD (3)
6938	29.97	235.69	6354.07	-864.88	-1987.07	191.94	3.58	MWD (4)
6982	30.1	229.01	6392.17	-878.32	-2004.48	199.18	7.6	MWD (4)
7025	30.74	221.68	6429.26	-893.6	-2019.94	208.79	8.75	MWD (4)
7068	32.35	216.31	6465.91	-911.09	-2034.06	220.91	7.53	MWD (4)
7112	34.54	211.12	6502.63	-931.26	-2047.48	235.8	8.18	MWD (4)
7155	37.38	205.91	6537.44	-953.44	-2059.49	253.05	9.7	MWD (4)
7199	39.11	201.17	6572.01	-978.4	-2070.34	273.3	7.74	MWD (4)
7242	38.74	195.89	6605.47	-1004	-2078.93	294.86	7.76	MWD (4)
7285	38.36	190.48	6639.11	-1030.07	-2085.04	317.66	7.89	MWD (4)
7329	39.05	184.58	6673.45	-1057.32	-2088.63	342.37	8.53	MWD (4)
7372	39.51	179	6706.75	-1084.51	-2089.47	367.9	8.28	MWD (4)
7415	40.64	174.53	6739.66	-1112.13	-2087.9	394.6	7.19	MWD (4)
7459	42.09	170.74	6772.69	-1140.95	-2084.16	423.13	6.58	MWD (4)
7502	44.2	167.07	6804.06	-1169.79	-2078.48	452.28	7.62	MWD (4)
7545	46.37	163.54	6834.32	-1199.33	-2070.72	482.76	7.71	MWD (4)
7589	48.89	160.3	6863.98	-1230.22	-2060.62	515.26	7.9	MWD (4)
7632	51.7	157	6891.45	-1261.01	-2048.56	548.29	8.81	MWD (4)
7676	54.95	153.42	6917.73	-1293.03	-2033.75	583.34	9.85	MWD (4)
7719	58.27	150.73	6941.39	-1324.73	-2016.92	618.74	9.32	MWD (4)
7763	61.1	148.53	6963.6	-1357.49	-1997.71	655.89	7.75	MWD (4)
7807	64.26	147.03	6983.79	-1390.56	-1976.87	693.85	7.79	MWD (4)
7850	67.62	145.68	7001.32	-1423.23	-1955.11	731.73	8.32	MWD (4)
7893	70.84	144.4	7016.57	-1456.18	-1932.07	770.27	7.99	MWD (4)
7937	73.81	143.52	7029.93	-1490.07	-1907.41	810.23	7.01	MWD (4)
7980	75.72	141.91	7041.23	-1523.08	-1882.28	849.49	5.73	MWD (4)
8024	78.39	140.04	7051.08	-1556.38	-1855.28	889.63	7.35	MWD (4)
8067	81.58	138.01	7058.56	-1588.34	-1827.51	928.73	8.75	MWD (4)
8110	85	135.86	7063.59	-1619.54	-1798.36	967.54	9.38	MWD (4)
8154	88.09	133.82	7066.24	-1650.5	-1767.22	1006.76	8.41	MWD (4)
8241	89.38	131.65	7068.16	-1709.52	-1703.34	1082.96	2.9	MWD (4)
8327	89.26	131.97	7069.18	-1766.85	-1639.24	1157.62	0.4	MWD (4)
8414	89.01	133.04	7070.49	-1825.62	-1575.11	1233.66	1.26	MWD (4)
8501	88.27	134.5	7072.56	-1885.79	-1512.31	1310.6	1.88	MWD (4)

8588	88.09	132.87	7075.32	-1945.84	-1449.43	1387.47	1.88	MWD (4)
8675	88.03	132.58	7078.27	-2004.84	-1385.55	1463.63	0.34	MWD (4)
8762	88.03	133.6	7081.26	-2064.24	-1322.06	1540.07	1.17	MWD (4)
8849	87.04	134.01	7085	-2124.4	-1259.33	1616.98	1.23	MWD (4)
8937	87.1	132	7089.5	-2184.34	-1195.06	1694.18	2.28	MWD (4)
9024	87.54	131.37	7093.57	-2242.13	-1130.16	1769.53	0.88	MWD (4)
9110	87.22	131.89	7097.5	-2299.21	-1065.95	1843.98	0.71	MWD (4)
9197	86.24	130.64	7102.46	-2356.49	-1000.66	1918.98	1.82	MWD (4)
9284	87.78	130.88	7107	-2413.21	-934.85	1993.6	1.79	MWD (4)
9371	88.21	131.82	7110.04	-2470.66	-869.58	2068.74	1.19	MWD (4)
9457	87.53	131.45	7113.24	-2527.75	-805.35	2143.22	0.9	MWD (4)
9544	87.72	132.26	7116.84	-2585.75	-740.61	2218.73	0.96	MWD (4)
9631	87.09	133.28	7120.78	-2644.77	-676.81	2294.89	1.38	MWD (4)
9718	86.73	131.81	7125.47	-2703.51	-612.81	2370.86	1.74	MWD (4)
9805	89.57	132.63	7128.28	-2761.93	-548.42	2446.65	3.4	MWD (4)
9891	88.89	132.32	7129.44	-2820	-484.99	2521.8	0.87	MWD (4)
9978	87.88	131.16	7131.89	-2877.9	-420.11	2597.25	1.77	MWD (4)
10065	88.77	130.98	7134.43	-2935.03	-354.54	2672.19	1.04	MWD (4)
10152	88.46	130.45	7136.53	-2991.76	-288.62	2746.86	0.71	MWD (4)
10238	88.89	130.84	7138.52	-3047.76	-223.38	2820.62	0.67	MWD (4)
10327	89.88	132.18	7139.48	-3106.74	-156.74	2897.65	1.87	MWD (4)
10414	89.51	131.45	7139.94	-3164.75	-91.9	2973.19	0.94	MWD (4)
10501	88.64	131.64	7141.35	-3222.44	-26.8	3048.51	1.02	MWD (4)
10588	88.58	132.28	7143.46	-3280.59	37.87	3124.13	0.74	MWD (4)
10674	88.4	133.07	7145.72	-3338.86	101.08	3199.4	0.94	MWD (4)
10761	88.33	133.32	7148.2	-3398.39	164.48	3275.93	0.3	MWD (4)
10848	88.95	133.41	7150.27	-3458.11	227.71	3352.58	0.72	MWD (4)
10935	89.01	132.02	7151.82	-3517.12	291.62	3428.78	1.6	MWD (4)
11021	88.64	132.07	7153.58	-3574.7	355.47	3503.6	0.43	MWD (4)
11108	88.7	131.91	7155.6	-3632.89	420.12	3579.25	0.2	MWD (4)
11195	88.77	132.6	7157.52	-3691.37	484.5	3655.09	0.8	MWD (4)
11282	88.89	133.09	7159.3	-3750.52	548.27	3731.38	0.58	MWD (4)
11368	88.27	133.18	7161.43	-3809.3	611.01	3806.99	0.73	MWD (4)
11455	89.01	131.85	7163.49	-3868.08	675.12	3883.02	1.75	MWD (4)
11542	87.8	131.87	7165.92	-3926.11	739.89	3958.56	1.39	MWD (4)
11628	88.83	131.7	7168.45	-3983.39	803.98	4033.18	1.21	MWD (4)
11715	88.83	131.36	7170.22	-4041.06	869.1	4108.48	0.39	MWD (4)
11803	89.91	130.28	7171.19	-4098.58	935.69	4184.11	1.74	MWD (4)
11890	90.09	131.34	7171.19	-4155.44	1001.54	4258.88	1.24	MWD (4)
11977	90.26	132.57	7170.92	-4213.6	1066.23	4334.52	1.43	MWD (4)
12063	88.89	132.33	7171.56	-4271.64	1129.69	4409.65	1.62	MWD (4)
12150	89.03	131.16	7173.14	-4329.56	1194.59	4485.12	1.35	MWD (4)
12239	90.43	131.3	7173.56	-4388.22	1261.52	4561.94	1.58	MWD (4)
12325	90.18	130.98	7173.1	-4444.79	1326.29	4636.1	0.47	MWD (4)
12412	90.49	131.81	7172.59	-4502.32	1391.55	4711.31	1.02	MWD (4)
12499	90.06	133.75	7172.18	-4561.41	1455.4	4787.56	2.28	MWD (4)
12547	90.86	134.03	7171.79	-4594.68	1489.99	4830.07	1.77	MWD (4)
12607	90.86	134.03	7170.89	-4636.38	1533.12	4883.27	0	MWD (4)

BONNETTE MSH 406 WB#1

~WELL INFORMATION

WELL NAME: BONNETTE MSH 406 WB#1
 FILE CREATED: 3/1/2016 15:22
 START DEPTH: 0
 STOP DEPTH: 12607
 PLAY: West Virginia
 COUNTY: Marshall Co. WV
 SHL LATITUDE: 39.721584
 SHL LONGITUDE: -80.711822
 SHL NORTHING: 14425483.66
 SHL EASTING: 1721448.031
 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: -7.92
 DEC DATE: 8/20/2015
 MAG MODEL: HDGM
 MAG DIP: 67.13
 MAG STRENGTH: 52587.4
 NORTH REF: Grid
 GRID CONV: 0.18
 TOTAL CORR: -8.1
 VS REF: Slot
 VS AZI: 161.56

~SURVEY DATA

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	TOOL
0		0	0	0	0	0	0	UNDEFINED
150		0.4	154.38	150	-0.47	0.23	0.52	0.27 VES Gyroflex_V3_200814 (1)
241		0.5	165.18	241	-1.14	0.47	1.23	0.14 VES Gyroflex_V3_200814 (1)
332		0.4	203.48	331.99	-1.82	0.44	1.86	0.34 VES Gyroflex_V3_200814 (1)
424		0.3	233.38	423.99	-2.26	0.12	2.18	0.22 VES Gyroflex_V3_200814 (1)
511		0.3	216.18	510.99	-2.58	-0.2	2.38	0.1 VES Gyroflex_V3_200814 (1)
598		0.3	248.88	597.99	-2.84	-0.55	2.52	0.19 VES Gyroflex_V3_200814 (1)
685		0.3	244.58	684.99	-3.02	-0.96	2.56	0.03 VES Gyroflex_V3_200814 (1)
807		0.57	268.18	806.98	-3.18	-1.86	2.43	0.26 MWD (2)
894		1.78	273.11	893.96	-3.12	-3.64	1.81	1.39 MWD (2)
981		3.31	269.98	980.88	-3.05	-7.5	0.52	1.77 MWD (2)
1067		4.8	274.52	1066.66	-2.76	-13.57	-1.67	1.77 MWD (2)
1155		5.16	273.4	1154.33	-2.24	-21.19	-4.58	0.42 MWD (2)
1242		5.51	273.7	1240.95	-1.74	-29.27	-7.61	0.4 MWD (2)
1328		5.91	269.68	1326.52	-1.49	-37.81	-10.54	0.66 MWD (2)
1415		5.26	271.14	1413.11	-1.44	-46.28	-13.27	0.76 MWD (2)
1501		4.97	273.57	1498.77	-1.13	-53.94	-15.99	0.42 MWD (2)
1587		5.37	273.25	1584.42	-0.67	-61.67	-18.87	0.47 MWD (2)
1674		5.74	270.85	1671.01	-0.37	-70.09	-21.81	0.5 MWD (2)
1761		5.46	270.82	1757.59	-0.25	-78.58	-24.62	0.32 MWD (2)
1848		5.07	270.57	1844.23	-0.15	-86.56	-27.23	0.45 MWD (2)
1935		5.22	269.99	1930.88	-0.12	-94.36	-29.74	0.18 MWD (2)
2021		4.5	271.9	2016.57	0	-101.65	-32.15	0.86 MWD (2)
2108		4.06	271.12	2103.32	0.17	-108.14	-34.36	0.51 MWD (2)
2195		3.86	263.61	2190.12	-0.1	-114.13	-36.01	0.64 MWD (2)
2281		3.95	262.12	2275.92	-0.83	-119.94	-37.15	0.16 MWD (2)
2368		4.21	263.75	2362.7	-1.58	-126.08	-38.38	0.33 MWD (2)
2455		4.63	270.24	2449.44	-1.92	-132.77	-40.18	0.75 MWD (2)
2541		4.65	276.36	2535.16	-1.52	-139.7	-42.75	0.58 MWD (2)
2628		4.61	278.53	2621.87	-0.61	-146.66	-45.82	0.21 MWD (2)
2714		4.31	282.32	2707.61	0.6	-153.24	-49.04	0.49 MWD (2)
2741		4.24	281.34	2734.54	1.01	-155.21	-50.05	0.37 MWD (2)
2889		4.55	276.36	2882.1	2.73	-166.41	-55.23	0.33 MWD (2)
2975		6.61	267.29	2967.69	2.88	-174.74	-58	2.6 MWD (2)
3062		10.12	262.99	3053.75	1.71	-187.33	-60.88	4.1 MWD (2)
3148		13.06	259.94	3137.99	-0.91	-204.4	-63.79	3.49 MWD (2)
3235		16.3	257.35	3222.14	-5.3	-226	-66.46	3.8 MWD (2)
3322		18.69	252.3	3305.12	-12.22	-251.2	-67.87	3.25 MWD (3)
3408		21.42	248.07	3385.9	-22.27	-278.9	-67.09	3.59 MWD (3)
3495		23.99	247.36	3466.15	-35.02	-309.97	-64.83	2.97 MWD (3)
3581		27.15	246.65	3543.72	-49.53	-344.12	-61.87	3.69 MWD (3)