

~WELL INFORMATION

WELL NAME: BONNETTE MSH 206 WB#1
 FILE CREATED: 3/1/2016 15:21
 START DEPTH: 0
 STOP DEPTH: 13074
 PLAY: West Virginia
 COUNTY: Marshall Co. WV
 SHL LATITUDE: 39.721575
 SHL LONGITUDE: -80.711908
 SHL NORTHING: 14425480.37
 SHL EASTING: 1721423.961
 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: -8.63
 DEC DATE: 6/12/2015
 MAG MODEL: BGGM2015
 MAG DIP: 67.09
 MAG STRENGTH: 52373.93
 NORTH REF: Grid
 GRID CONV: 0.18
 TOTAL CORR: -8.82
 VS REF: Slot
 VS AZI: 146.15

~SURVEY DATA

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	TOOL
0		0	0	0	0	0	0	UNDEFINED
150		0.6	98.18	150	-0.11	0.78	0.53	0.4 EMS (1)
241		0.3	105.68	240.99	-0.24	1.48	1.03	0.34 EMS (1)
331		0.4	96.38	330.99	-0.34	2.02	1.41	0.13 EMS (1)
435		0.2	71.78	434.99	-0.33	2.55	1.69	0.22 EMS (1)
523		0.5	83.58	522.99	-0.24	3.08	1.91	0.35 EMS (1)
610		0.2	73.08	609.99	-0.15	3.6	2.13	0.35 EMS (1)
696		0.2	110.18	695.99	-0.16	3.89	2.29	0.15 EMS (1)
777		0.27	272	776.99	-0.2	3.83	2.3	0.57 MWD+IGRF (2)
864		1.34	237.9	863.98	-0.73	2.76	2.15	1.29 MWD+IGRF (2)
951		3.08	238.54	950.91	-2.49	-0.1	2.02	2 MWD+IGRF (2)
1037		5.31	235.45	1036.67	-5.96	-5.34	1.97	2.61 MWD+IGRF (2)
1125		6.74	236.18	1124.19	-11.14	-12.99	2.02	1.63 MWD+IGRF (2)
1211		7.19	242.72	1209.55	-16.42	-21.96	1.4	1.06 MWD+IGRF (2)
1298		6.57	247.2	1295.93	-20.84	-31.39	-0.18	0.94 MWD+IGRF (2)
1384		4.82	248.16	1381.5	-24.09	-39.28	-1.87	2.04 MWD+IGRF (2)
1471		3.39	255.97	1468.27	-26.07	-45.17	-3.51	1.76 MWD+IGRF (2)
1557		2.16	260.98	1554.17	-26.94	-49.24	-5.05	1.46 MWD+IGRF (2)
1644		1.08	264.26	1641.13	-27.28	-51.67	-6.12	1.25 MWD+IGRF (2)
1731		0.56	256.65	1728.13	-27.46	-52.9	-6.66	0.61 MWD+IGRF (2)
1818		0.45	263	1815.12	-27.6	-53.66	-6.96	0.14 MWD+IGRF (2)
1904		0.57	259.5	1901.12	-27.72	-54.41	-7.28	0.14 MWD+IGRF (2)
1991		0.36	267.58	1988.12	-27.81	-55.11	-7.6	0.25 MWD+IGRF (2)
2078		0.17	329.42	2075.11	-27.71	-55.45	-7.87	0.36 MWD+IGRF (2)
2165		0.11	49.65	2162.11	-27.55	-55.45	-8.01	0.21 MWD+IGRF (2)
2251		0.2	100.25	2248.11	-27.52	-55.24	-7.91	0.18 MWD+IGRF (2)
2338		0.2	106.17	2335.11	-27.59	-54.94	-7.69	0.02 MWD+IGRF (2)
2425		0.17	102.68	2422.11	-27.66	-54.67	-7.48	0.04 MWD+IGRF (2)
2511		0.19	33.1	2508.11	-27.57	-54.47	-7.44	0.24 MWD+IGRF (2)
2598		0.19	35.33	2595.11	-27.33	-54.31	-7.55	0.01 MWD+IGRF (2)
2684		0.26	5.68	2681.11	-27.02	-54.21	-7.75	0.16 MWD+IGRF (2)
2737		0.35	356.16	2734.11	-26.74	-54.21	-7.99	0.19 MWD+IGRF (2)
2887		0.84	323.38	2884.1	-25.4	-54.89	-9.48	0.39 MWD+IGRF (2)
2974		0.41	347.22	2971.1	-24.58	-55.34	-10.41	0.57 MWD+IGRF (2)

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3060	0.31	345.37	3057.1	-24.06	-55.47	-10.92	0.12	MWD+IGRF (2)
3146	0.42	348.25	3143.09	-23.53	-55.59	-11.43	0.13	MWD+IGRF (2)
3233	0.37	353.13	3230.09	-22.93	-55.69	-11.97	0.07	MWD+IGRF (2)
3320	0.71	326.02	3317.09	-22.21	-56.02	-12.76	0.48	MWD+IGRF (2)
3407	0.2	42.16	3404.09	-21.65	-56.22	-13.34	0.79	MWD+IGRF (2)
3493	0.22	104.11	3490.09	-21.58	-55.96	-13.25	0.25	MWD+IGRF (2)
3580	0.17	99.95	3577.08	-21.64	-55.67	-13.04	0.06	MWD+IGRF (2)
3668	0.19	107.35	3665.08	-21.71	-55.41	-12.83	0.03	MWD+IGRF (2)
3757	0.34	62.87	3754.08	-21.63	-55.03	-12.69	0.27	MWD+IGRF (2)
3844	0.27	28.58	3841.08	-21.33	-54.7	-12.75	0.22	MWD+IGRF (2)
3930	0.37	29.03	3927.08	-20.91	-54.47	-12.97	0.12	MWD+IGRF (2)
4017	1.55	215.18	4014.07	-21.63	-55.01	-12.68	2.2	MWD+IGRF (2)
4104	4.65	214.26	4100.93	-25.51	-57.68	-10.94	3.56	MWD+IGRF (2)
4191	7.84	217.82	4187.41	-33.11	-63.3	-7.76	3.69	MWD+IGRF (2)
4277	11.19	218.62	4272.21	-44.27	-72.11	-3.4	3.9	MWD+IGRF (2)
4364	14.38	219.42	4357.04	-59.21	-84.24	2.25	3.67	MWD+IGRF (2)
4451	17.9	217.86	4440.6	-78.12	-99.31	9.56	4.08	MWD+IGRF (2)
4538	21.92	218.37	4522.39	-101.42	-117.61	18.72	4.62	MWD+IGRF (2)
4624	22.85	216.85	4601.9	-127.36	-137.58	29.14	1.27	MWD+IGRF (2)
4711	24.02	217.97	4681.73	-154.84	-158.61	40.25	1.44	MWD+IGRF (2)
4798	24.6	216.73	4761.01	-183.31	-180.33	51.79	0.89	MWD+IGRF (2)
4884	23.91	216.97	4839.42	-211.58	-201.52	63.47	0.81	MWD+IGRF (2)
4971	24.33	217.17	4918.83	-239.95	-222.95	75.09	0.49	MWD+IGRF (2)
5060	24.42	219.34	4999.89	-268.79	-245.69	86.37	1.01	MWD+IGRF (2)
5146	24.83	220.96	5078.07	-296.17	-268.8	96.25	0.92	MWD+IGRF (2)
5233	24.46	219.53	5157.15	-323.86	-292.24	106.18	0.81	MWD+IGRF (2)
5320	23.98	217.55	5236.49	-351.77	-314.48	116.98	1.08	MWD+IGRF (2)
5406	23.3	220.37	5315.28	-378.59	-336.14	127.18	1.53	MWD+IGRF (2)
5493	22.65	221.16	5395.38	-404.31	-358.31	136.19	0.83	MWD+IGRF (2)
5580	23.48	220.05	5475.42	-430.19	-380.49	145.33	1.08	MWD+IGRF (2)
5666	25.14	219.97	5553.79	-457.3	-403.25	155.17	1.93	MWD+IGRF (2)
5753	24.46	218.51	5632.77	-485.56	-426.34	165.78	1.05	MWD+IGRF (2)
5842	24.37	217.04	5713.81	-514.64	-448.87	177.37	0.69	MWD+IGRF (2)
5929	24.58	218.49	5792.99	-543.13	-470.95	188.74	0.73	MWD+IGRF (2)
6015	24.24	219.95	5871.31	-570.66	-493.42	199.09	0.81	MWD+IGRF (2)
6102	23.81	220.02	5950.77	-597.8	-516.18	208.95	0.5	MWD+IGRF (2)
6189	24.03	219.03	6030.3	-625.01	-538.62	219.04	0.53	MWD+IGRF (2)
6275	24.47	216.01	6108.71	-653.02	-560.12	230.33	1.53	MWD+IGRF (2)
6362	23.47	216.4	6188.21	-681.54	-581	242.39	1.16	MWD+IGRF (2)
6449	23.61	217.56	6267.97	-709.3	-601.9	253.8	0.56	MWD+IGRF (2)
6531	24.46	217.75	6342.86	-735.74	-622.3	264.39	1.04	MWD+IGRF (2)
6601	24.42	217.48	6406.59	-758.68	-639.98	273.6	0.17	MWD+IGRF (2)
6690	22.9	208.53	6488.13	-788.5	-659.45	287.52	4.38	MWD+IGRF (2)
6777	26.34	194.38	6567.28	-822.11	-672.35	308.25	7.82	MWD+IGRF (2)
6863	28.62	179.49	6643.66	-861.24	-676.91	338.21	8.39	MWD+IGRF (2)
6950	31.01	170.54	6719.18	-904.21	-673.04	376.05	5.8	MWD+IGRF (2)
7037	36.5	170.09	6791.48	-951.84	-664.89	420.14	6.32	MWD+IGRF (2)
7124	43.28	165.19	6858.21	-1006.24	-652.8	472.06	8.58	MWD+IGRF (2)
7211	48.48	158.49	6918.8	-1065.44	-633.21	532.14	8.14	MWD+IGRF (2)
7297	54.28	155.05	6972.46	-1127.11	-606.65	598.15	7.43	MWD+IGRF (2)
7384	61.65	149.4	7018.6	-1192.21	-572.2	671.41	10.1	MWD+IGRF (2)
7470	67.44	146.37	7055.56	-1257.92	-530.9	748.98	7.45	MWD+IGRF (2)
7557	72.63	143.15	7085.26	-1324.65	-483.71	830.68	6.9	MWD+IGRF (2)
7644	77.57	139.45	7107.63	-1390.21	-431.15	914.41	7.01	MWD+IGRF (2)
7731	83.93	138.14	7120.48	-1454.89	-374.5	999.68	9.16	MWD+IGRF (2)
7818	87.96	136.62	7125.5	-1518.79	-315.69	1085.51	3.39	MWD+IGRF (2)
7905	89.01	135.96	7127.8	-1581.66	-255.6	1171.19	1.43	MWD+IGRF (2)
7992	89.14	134.01	7129.2	-1643.15	-194.08	1256.53	2.25	MWD+IGRF (2)
8079	88.89	135.73	7130.7	-1704.52	-132.43	1341.83	2	MWD+IGRF (2)
8165	89.32	136.83	7132.04	-1766.66	-73	1426.55	1.37	MWD+IGRF (2)
8252	89.75	132.94	7132.75	-1828.04	-11.37	1511.85	4.5	MWD+IGRF (2)
8339	89.57	131.72	7133.26	-1886.63	52.94	1596.33	1.42	MWD+IGRF (2)
8426	90.31	130.01	7133.35	-1943.55	118.73	1680.25	2.14	MWD+IGRF (2)
8513	88.68	129.75	7134.12	-1999.32	185.49	1763.76	1.9	MWD+IGRF (2)

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8600	88.52	131.56	7136.25	-2055.99	251.47	1847.57	2.09	MWD+IGRF (2)
8687	88.77	133.43	7138.3	-2114.74	315.6	1932.08	2.17	MWD+IGRF (2)
8774	88.77	133.81	7140.17	-2174.74	378.57	2016.99	0.44	MWD+IGRF (2)
8860	88.58	133.54	7142.16	-2234.12	440.75	2100.94	0.38	MWD+IGRF (2)
8949	88.46	133.01	7144.46	-2295.1	505.53	2187.67	0.61	MWD+IGRF (2)
9036	88.27	133.82	7146.94	-2354.87	568.7	2272.49	0.96	MWD+IGRF (2)
9122	88.52	133.44	7149.35	-2414.19	630.92	2356.42	0.53	MWD+IGRF (2)
9209	88.33	134.45	7151.74	-2474.54	693.54	2441.42	1.18	MWD+IGRF (2)
9296	89.14	140.27	7153.66	-2538.5	752.43	2527.34	6.75	MWD+IGRF (2)
9383	89.32	140.88	7154.83	-2605.69	807.67	2613.92	0.73	MWD+IGRF (2)
9469	89.63	138.09	7155.62	-2671.07	863.54	2699.32	3.26	MWD+IGRF (2)
9556	89.51	134.4	7156.27	-2733.89	923.69	2785.01	4.24	MWD+IGRF (2)
9643	89.32	134.17	7157.16	-2794.64	985.97	2870.15	0.34	MWD+IGRF (2)
9730	89.38	132.95	7158.15	-2854.58	1049.01	2955.05	1.4	MWD+IGRF (2)
9816	89.26	132.92	7159.17	-2913.16	1111.97	3038.76	0.14	MWD+IGRF (2)
9903	89.26	132.97	7160.29	-2972.43	1175.65	3123.46	0.06	MWD+IGRF (2)
9990	89.26	132.28	7161.42	-3031.34	1239.66	3208.04	0.79	MWD+IGRF (2)
10077	89.32	132.73	7162.49	-3090.12	1303.79	3292.57	0.52	MWD+IGRF (2)
10163	89.32	133.05	7163.52	-3148.64	1366.79	3376.28	0.37	MWD+IGRF (2)
10250	89.2	132.77	7164.64	-3207.87	1430.51	3460.96	0.35	MWD+IGRF (2)
10339	89.2	132.95	7165.88	-3268.4	1495.74	3547.56	0.2	MWD+IGRF (2)
10425	89.38	133.72	7166.95	-3327.42	1558.29	3631.41	0.92	MWD+IGRF (2)
10512	89.47	133.63	7167.82	-3387.49	1621.21	3716.36	0.15	MWD+IGRF (2)
10599	89.26	133.55	7168.78	-3447.48	1684.22	3801.27	0.26	MWD+IGRF (2)
10686	90.31	140.36	7169.11	-3511.02	1743.57	3887.1	7.92	MWD+IGRF (2)
10773	90.62	139.74	7168.41	-3577.71	1799.43	3973.6	0.8	MWD+IGRF (2)
10860	90.43	137.9	7167.61	-3643.19	1856.71	4059.88	2.13	MWD+IGRF (2)
10947	90.43	136.18	7166.96	-3706.85	1915.99	4145.78	1.98	MWD+IGRF (2)
11033	89.88	134.47	7166.72	-3768	1976.45	4230.25	2.09	MWD+IGRF (2)
11120	89.12	133.99	7167.48	-3828.69	2038.79	4315.37	1.03	MWD+IGRF (2)
11207	89.26	132.58	7168.71	-3888.33	2102.11	4400.17	1.63	MWD+IGRF (2)
11293	89.2	132.06	7169.87	-3946.22	2165.7	4483.67	0.61	MWD+IGRF (2)
11380	89.2	131.75	7171.08	-4004.33	2230.44	4567.99	0.36	MWD+IGRF (2)
11467	89.32	132.32	7172.21	-4062.57	2295.05	4652.35	0.67	MWD+IGRF (2)
11553	89.26	132.63	7173.27	-4120.64	2358.48	4735.91	0.37	MWD+IGRF (2)
11640	89.26	132.15	7174.39	-4179.29	2422.73	4820.41	0.55	MWD+IGRF (2)
11727	89.14	132.92	7175.61	-4238.1	2486.83	4904.95	0.9	MWD+IGRF (2)
11815	89.2	132.8	7176.88	-4297.95	2551.33	4990.59	0.15	MWD+IGRF (2)
11902	89.2	132.29	7178.1	-4356.77	2615.42	5075.14	0.59	MWD+IGRF (2)
11988	89.32	132.21	7179.21	-4414.59	2679.07	5158.61	0.17	MWD+IGRF (2)
12075	89.2	133.79	7180.33	-4473.92	2742.69	5243.32	1.82	MWD+IGRF (2)
12161	89.75	132.93	7181.12	-4532.96	2805.22	5327.18	1.19	MWD+IGRF (2)
12250	89.51	131.41	7181.7	-4592.71	2871.18	5413.54	1.73	MWD+IGRF (2)
12337	89.57	131.56	7182.39	-4650.34	2936.35	5497.7	0.19	MWD+IGRF (2)
12424	89.57	133.02	7183.05	-4708.87	3000.7	5582.17	1.68	MWD+IGRF (2)
12511	89.69	133.1	7183.61	-4768.27	3064.27	5666.9	0.17	MWD+IGRF (2)
12597	89.63	133.18	7184.12	-4827.08	3127.02	5750.69	0.12	MWD+IGRF (2)
12684	89.51	133.27	7184.77	-4886.66	3190.41	5835.49	0.17	MWD+IGRF (2)
12771	89.94	134.11	7185.19	-4946.75	3253.32	5920.44	1.08	MWD+IGRF (2)
12858	89.88	133.59	7185.33	-5007.02	3316.06	6005.44	0.6	MWD+IGRF (2)
12949	89.82	134.04	7185.57	-5070.03	3381.72	6094.34	0.5	MWD+IGRF (2)
13041	89.82	133.87	7185.85	-5133.88	3447.95	6184.26	0.18	MWD+IGRF (2)
13051	89.69	134.18	7185.9	-5140.83	3455.14	6194.04	3.36	MWD+IGRF (2)
13074	89.69	134.18	7186.02	-5156.86	3471.64	6216.54	0	MWD+IGRF (2)

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