

Dunham 5H

*WELL 47091012920000

*XYUNITS F

*DEPUNITS F

*COLUMNS *MD

*TVD	*EW	*NS	*INC	*AZM
0.00	0.00	0.00	0.000	0.000
308.00	-0.05	0.26	0.100	348.400
558.00	-1.00	1.43	0.600	316.700
808.00	-2.36	3.84	0.700	342.300
1057.00	-4.43	7.34	1.200	322.000
1307.00	-8.31	11.76	1.500	316.100
1556.00	-12.75	17.61	1.900	328.000
1806.00	-17.91	25.18	2.300	323.900
2056.00	-23.82	34.07	2.600	328.600
2306.00	-29.42	44.65	2.900	335.200
2556.00	-34.37	55.34	2.500	335.100
2806.00	-39.31	63.75	2.000	322.700
3056.00	-43.47	70.12	1.500	332.400
3305.00	-46.23	75.30	1.200	331.300
3555.00	-48.62	79.71	1.100	331.800
3805.00	-50.45	83.90	1.000	341.600
4055.00	-51.82	87.33	0.700	333.400
4305.00	-52.10	88.87	0.200	66.300
4555.00	-51.68	89.70	0.300	1.600
4805.00	-52.31	90.25	0.300	260.900
5055.00	-62.11	89.91	4.200	268.500
5305.00	-78.89	89.39	3.500	267.900
5555.00	-90.25	87.90	1.800	252.000
5570.00	-90.72	87.76	1.900	254.800
5633.00	-91.05	86.29	2.500	150.500
5665.00	-89.45	85.00	5.100	118.400
5697.00	-86.24	83.52	7.600	112.300
5727.00	-82.08	81.93	9.500	110.000
5760.00	-76.45	80.07	11.200	106.800
5792.00	-70.01	78.32	12.900	103.800
5824.00	-63.18	76.51	12.600	105.800
5855.00	-57.01	74.74	11.300	106.300
5886.00	-51.27	73.25	10.800	102.800
5917.00	-45.41	72.10	11.400	99.500

91-01292

RECEIVED
Office of Oil and Gas

AUG 05 2015

WV Department of
Environmental Protection

11/06/2015

5949.00	5941.07	-39.12	71.03	11.600	99.700
5980.00	5971.42	-32.88	69.92	12.000	100.500
6011.00	6001.68	-26.27	68.77	13.000	99.300
6043.00	6032.83	-19.03	67.62	13.500	98.700
6074.00	6062.98	-11.86	66.64	13.500	96.900
6106.00	6094.04	-4.21	65.87	14.300	94.600
6138.00	6125.03	3.75	65.30	14.600	93.700
6169.00	6155.05	11.45	64.91	14.200	92.000
6201.00	6186.11	19.16	64.67	13.700	91.600
6265.00	6248.43	33.68	63.74	12.600	95.900
6296.00	6278.57	40.87	62.73	14.500	99.900
6328.00	6309.31	49.56	60.93	17.700	103.100
6360.00	6339.50	59.82	58.27	21.000	105.800
6392.00	6369.03	71.67	54.90	24.300	105.900
6423.00	6396.96	84.65	51.44	27.100	104.100
6455.00	6425.16	99.31	47.70	29.300	104.500
6486.00	6451.92	114.42	43.67	31.300	105.300
6517.00	6478.05	130.51	39.27	33.800	105.300
6549.00	6504.08	148.48	34.50	37.300	104.500
6580.00	6528.17	167.44	29.90	40.700	102.800
6612.00	6551.89	188.45	25.48	43.600	101.000
6643.00	6573.83	209.92	21.17	46.300	101.700
6675.00	6595.28	233.11	16.11	49.500	102.900
6706.00	6614.60	256.77	10.82	53.400	102.300
6738.00	6633.09	282.34	5.53	56.000	101.100
6769.00	6650.42	307.59	0.76	56.000	100.300
6801.00	6668.41	333.63	-3.97	55.600	100.300
6832.00	6686.03	358.75	-8.40	55.100	99.700
6864.00	6704.48	384.52	-12.83	54.500	99.800
6895.00	6722.55	409.37	-16.96	54.200	99.100
6926.00	6740.83	434.09	-20.86	53.500	98.800
6958.00	6760.05	459.38	-24.77	52.700	98.800
6990.00	6779.59	484.43	-28.61	52.000	98.600
7021.00	6798.51	508.72	-32.24	52.800	98.400
7053.00	6817.54	534.14	-36.15	54.200	99.100
7085.00	6836.17	559.85	-40.13	54.600	98.500
7116.00	6854.30	584.73	-43.76	53.800	98.100
7147.00	6872.72	609.42	-47.25	53.300	98.000

91-01292

RECEIVED
Office of Oil and Gas
AUG 05 2015
WV Department of
Environmental Protection

7178.00	6891.38	633.93	-50.78	52.700	98.400
7210.00	6910.68	659.17	-54.53	53.100	98.500
7242.00	6929.54	684.80	-57.95	54.700	96.700
7273.00	6947.36	710.02	-60.64	55.100	95.500
7305.00	6965.74	736.10	-63.11	54.800	95.300
7336.00	6983.45	761.43	-65.44	55.500	95.200
7368.00	7001.46	787.79	-67.67	56.000	94.500
7400.00	7019.20	814.39	-68.92	56.700	90.900
7432.00	7036.52	841.28	-68.26	57.800	86.300
7463.00	7053.04	867.34	-65.40	57.800	81.200
7495.00	7070.10	893.94	-60.38	57.800	77.400
7526.00	7086.87	919.22	-54.01	56.700	74.300
7558.00	7104.70	944.52	-45.90	55.600	70.100
7590.00	7122.78	969.03	-36.11	55.600	66.400
7622.00	7140.73	993.07	-24.98	56.200	63.900
7654.00	7158.69	1016.68	-12.98	55.500	62.200
7685.00	7176.41	1038.62	-0.14	54.800	57.100
7717.00	7195.09	1059.88	14.80	53.800	52.700
7748.00	7213.26	1079.21	30.83	54.500	48.000
7780.00	7231.89	1097.97	48.84	54.300	44.300
7811.00	7249.70	1115.03	67.63	55.600	40.200
7843.00	7267.78	1131.38	88.34	55.600	36.400
7874.00	7285.12	1145.95	109.51	56.400	32.700
7906.00	7302.69	1159.58	132.51	57.000	28.600
7938.00	7319.89	1171.57	156.68	58.000	24.200
7969.00	7336.11	1181.89	180.99	58.900	21.800
8001.00	7352.38	1191.58	206.79	60.000	19.400
8032.00	7367.36	1200.59	232.38	62.200	19.400
8064.00	7381.84	1209.26	259.56	64.000	16.000
8095.00	7394.94	1216.31	286.75	66.000	13.100
8127.00	7407.66	1222.16	315.53	67.200	9.900
8159.00	7419.85	1226.56	344.78	68.000	7.200
8191.00	7431.74	1229.17	374.37	68.400	2.900
8222.00	7443.16	1229.55	403.18	68.400	358.600
8253.00	7454.45	1227.84	432.00	68.900	354.600
8285.00	7465.97	1223.99	461.59	68.900	350.600
8316.00	7476.98	1218.61	490.07	69.500	348.000
8348.00	7487.95	1211.57	519.28	70.400	344.900

91-01292

RECEIVED
 Office of Oil and Gas
 AUG 05 2015
 WV Department of
 Environmental Protection
 11/06/2015

8379.00	7498.23	1203.04	547.26	70.900	341.200
8411.00	7508.49	1192.20	575.55	71.700	336.900
8442.00	7518.23	1179.84	602.26	71.700	333.400
8474.00	7528.15	1165.16	628.90	72.200	328.900
8505.00	7536.77	1149.29	654.09	75.500	326.700
8536.00	7543.59	1132.29	679.09	79.100	324.900
8568.00	7548.45	1114.11	704.96	83.400	324.900
8599.00	7551.05	1095.91	729.91	87.000	322.900
8630.00	7552.02	1076.63	754.16	89.400	320.100
8662.00	7552.13	1055.64	778.31	90.200	317.900
8693.00	7551.75	1034.07	800.56	91.200	313.900
8725.00	7550.24	1010.40	822.03	94.200	310.500
8757.00	7547.04	985.49	841.85	97.300	306.500
8788.00	7542.99	960.32	859.47	97.700	303.500
8820.00	7539.48	933.57	876.68	94.900	302.000
8851.00	7537.05	907.33	893.01	94.100	301.800
8883.00	7534.73	880.21	909.82	94.200	301.800
8914.00	7532.49	853.87	926.03	94.100	301.400
8946.00	7530.09	826.71	942.77	94.500	301.900
8977.00	7527.66	800.43	959.03	94.500	301.600
9040.00	7523.65	746.82	991.88	92.800	301.400
9103.00	7520.84	692.87	1024.30	92.300	300.600
9167.00	7518.11	637.78	1056.75	92.600	300.400
9230.00	7514.75	583.97	1089.34	93.500	302.000
9292.00	7511.24	531.53	1122.23	93.000	302.200
9355.00	7508.55	478.16	1155.58	91.900	301.800
9418.00	7506.18	424.74	1188.90	92.400	302.100
9481.00	7503.11	372.06	1223.31	93.200	304.200
9545.00	7499.31	319.66	1259.86	93.600	305.600
9609.00	7495.35	267.79	1297.13	93.500	305.800
9672.00	7492.05	216.41	1333.44	92.500	304.700
9735.00	7489.36	164.57	1369.14	92.400	304.400
9798.00	7486.88	112.54	1404.57	92.100	304.100
9861.00	7483.86	60.40	1439.80	93.400	304.000
9923.00	7479.05	9.46	1474.81	95.500	305.000
9987.00	7472.92	-42.76	1511.30	95.500	304.900
10050.00	7467.26	-94.03	1547.47	94.800	305.500
10114.00	7462.52	-146.24	1584.17	93.700	304.700

91.01292

RECEIVED
Office of Oil and Gas

AUG 05 2015

WV Department of
Environmental Protection

11/06/2015

10177.00	7459.39	-198.00	1619.94	92.000	304.600
10240.00	7457.41	-249.90	1655.61	91.600	304.400
10304.00	7455.95	-302.72	1691.71	91.000	304.300
10367.00	7454.31	-354.59	1727.43	92.000	304.800
10430.00	7452.38	-406.61	1762.91	91.500	303.800
10493.00	7450.51	-458.97	1797.90	91.900	303.700
10556.00	7448.42	-511.51	1832.60	91.900	303.200
10619.00	7446.06	-564.10	1867.21	92.400	303.500
10683.00	7442.54	-617.10	1902.90	93.900	304.400
10746.00	7438.31	-668.81	1938.64	93.800	304.900
10809.00	7433.92	-720.04	1975.04	94.200	305.900
10872.00	7430.13	-771.30	2011.47	92.700	304.900
10935.00	7427.43	-823.33	2046.89	92.200	303.600
10998.00	7425.18	-875.80	2081.69	91.900	303.500
11061.00	7423.26	-928.34	2116.40	91.600	303.400
11124.00	7420.62	-980.27	2151.96	93.200	305.400
11187.00	7417.60	-1031.53	2188.45	92.300	305.500
11250.00	7415.18	-1082.97	2224.74	92.100	304.900
11313.00	7412.54	-1134.31	2261.16	92.700	305.800
11376.00	7409.57	-1185.19	2298.19	92.700	306.300
11439.00	7407.21	-1236.25	2335.02	91.600	305.300
11503.00	7405.37	-1288.36	2372.12	91.700	305.600
11565.00	7402.99	-1338.26	2408.84	92.700	307.100
11628.00	7400.18	-1388.26	2447.07	92.400	307.700
11691.00	7397.82	-1438.41	2485.13	91.900	306.700
11755.00	7395.75	-1490.02	2522.91	91.800	305.700
11818.00	7393.83	-1541.32	2559.43	91.700	305.200
11881.00	7392.23	-1592.78	2595.74	91.200	305.200
11945.00	7390.78	-1644.91	2632.85	91.400	305.700
12008.00	7389.13	-1695.86	2669.86	91.600	306.300
12071.00	7387.48	-1746.84	2706.84	91.400	305.600
12134.00	7385.56	-1797.59	2744.11	92.100	307.000
12197.00	7383.36	-1847.94	2781.92	91.900	306.800
12260.00	7380.89	-1898.24	2819.76	92.600	307.100
12323.00	7378.47	-1948.69	2857.42	91.800	306.400
12386.00	7376.27	-1999.62	2894.43	92.200	305.600
12449.00	7373.47	-2050.31	2931.74	92.900	307.100
12512.00	7370.66	-2100.67	2969.48	92.200	306.600

91-01292

RECEIVED
Office of Oil and Gas
AUG 05 2015
WV Department of
Environmental Protection
11/06/2015

Dunham SH

12575.00	7368.63	-2151.77	3006.27	91.500	304.900
12639.00	7367.18	-2204.22	3042.92	91.100	305.000
12702.00	7365.86	-2255.94	3078.87	91.300	304.600
12765.00	7364.54	-2307.97	3114.36	91.100	304.000
12828.00	7363.06	-2360.03	3149.81	91.600	304.500
12891.00	7361.46	-2411.90	3185.53	91.300	304.600
12955.00	7359.84	-2464.47	3221.99	91.600	304.900
13018.00	7358.03	-2516.15	3257.98	91.700	304.800
13081.00	7355.99	-2567.79	3294.00	92.000	305.000
13113.00	7354.93	-2594.03	3312.30	91.800	304.800
13171.00	7353.21	-2641.69	3345.31	91.600	304.600

RECEIVED
Office of Oil and Gas
AUG 05 2015
WV Department of
Environmental Protection

11/06/2015

91-01292