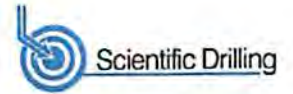




EOW Completion Report

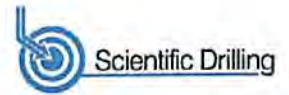


<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

Survey								
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	
287.0	0.18	345.06	287.0	0.5	-0.2	-0.5	0.32	
312.0	0.19	359.25	312.0	0.6	-0.2	-0.6	0.19	
337.0	0.07	311.59	337.0	0.6	-0.2	-0.7	0.61	
362.0	0.09	309.51	362.0	0.6	-0.3	-0.7	0.08	
387.0	0.10	283.13	387.0	0.7	-0.3	-0.7	0.18	
412.0	0.13	332.99	412.0	0.7	-0.3	-0.8	0.40	
437.0	0.13	311.12	437.0	0.7	-0.4	-0.8	0.20	
462.0	0.11	341.36	462.0	0.8	-0.4	-0.9	0.26	
487.0	0.16	320.13	487.0	0.8	-0.4	-0.9	0.28	
512.0	0.13	314.60	512.0	0.9	-0.5	-1.0	0.13	
537.0	0.15	315.44	537.0	0.9	-0.5	-1.0	0.08	
562.0	0.20	278.62	562.0	0.9	-0.6	-1.1	0.48	
587.0	0.28	289.69	587.0	1.0	-0.7	-1.1	0.37	
612.0	0.25	298.78	612.0	1.0	-0.8	-1.2	0.21	
637.0	0.27	298.93	637.0	1.1	-0.9	-1.3	0.08	
662.0	0.24	304.26	662.0	1.1	-1.0	-1.4	0.15	
687.0	0.25	299.80	687.0	1.2	-1.1	-1.5	0.09	
712.0	0.22	289.34	712.0	1.2	-1.2	-1.5	0.21	
737.0	0.28	281.68	737.0	1.3	-1.3	-1.6	0.27	
762.0	0.32	284.34	762.0	1.3	-1.4	-1.7	0.17	
787.0	0.33	294.70	787.0	1.3	-1.5	-1.7	0.24	
812.0	0.35	305.01	812.0	1.4	-1.7	-1.8	0.26	
837.0	0.27	292.29	837.0	1.5	-1.8	-1.9	0.42	
862.0	0.31	313.98	862.0	1.5	-1.9	-2.0	0.46	
887.0	0.29	277.08	887.0	1.6	-2.0	-2.1	0.76	
912.0	0.27	280.81	912.0	1.6	-2.1	-2.2	0.11	
937.0	0.31	288.40	937.0	1.6	-2.2	-2.3	0.22	
962.0	0.39	289.53	962.0	1.7	-2.4	-2.3	0.32	
987.0	0.47	285.13	987.0	1.8	-2.6	-2.5	0.35	
1,012.0	0.29	275.51	1,012.0	1.8	-2.7	-2.5	0.76	
1,037.0	0.35	277.35	1,037.0	1.8	-2.9	-2.6	0.24	
1,062.0	0.38	280.74	1,062.0	1.8	-3.0	-2.7	0.15	
1,087.0	0.35	284.33	1,087.0	1.9	-3.2	-2.7	0.15	
1,112.0	0.37	298.44	1,112.0	1.9	-3.3	-2.8	0.36	
1,137.0	0.33	293.02	1,137.0	2.0	-3.5	-2.9	0.21	
1,162.0	0.29	277.63	1,162.0	2.0	-3.6	-3.0	0.37	
1,187.0	0.24	283.10	1,187.0	2.0	-3.7	-3.1	0.22	
1,212.0	0.31	280.44	1,212.0	2.1	-3.8	-3.1	0.28	
1,237.0	0.35	256.81	1,237.0	2.1	-4.0	-3.2	0.56	
1,262.0	0.42	266.96	1,262.0	2.0	-4.1	-3.2	0.39	
1,287.0	0.36	309.50	1,287.0	2.1	-4.3	-3.3	1.15	
1,312.0	0.27	278.34	1,312.0	2.1	-4.4	-3.4	0.76	
1,337.0	0.16	282.74	1,337.0	2.2	-4.5	-3.4	0.44	
1,362.0	0.29	283.71	1,362.0	2.2	-4.6	-3.5	0.52	



EOW Completion Report



<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
1,387.0	0.17	269.36	1,387.0	2.2	-4.7	-3.5	0.53
1,412.0	0.28	247.33	1,412.0	2.2	-4.8	-3.5	0.55
1,437.0	0.37	278.16	1,437.0	2.2	-4.9	-3.6	0.77
1,462.0	0.28	267.75	1,462.0	2.2	-5.0	-3.6	0.43
1,487.0	0.28	277.59	1,487.0	2.2	-5.2	-3.7	0.19
1,512.0	0.44	276.48	1,512.0	2.2	-5.3	-3.7	0.64
1,537.0	0.30	269.25	1,537.0	2.2	-5.5	-3.8	0.59
1,562.0	0.33	284.66	1,562.0	2.2	-5.6	-3.8	0.36
1,587.0	0.58	229.12	1,587.0	2.2	-5.8	-3.8	1.91
1,612.0	0.18	285.85	1,612.0	2.1	-5.9	-3.8	2.02
1,637.0	0.26	238.32	1,637.0	2.1	-6.0	-3.8	0.77
1,662.0	0.17	246.35	1,662.0	2.0	-6.1	-3.8	0.38
1,687.0	0.21	244.25	1,687.0	2.0	-6.2	-3.8	0.16
1,712.0	0.53	193.68	1,712.0	1.9	-6.2	-3.7	1.71
1,737.0	0.44	320.65	1,737.0	1.8	-6.3	-3.7	3.48
1,762.0	0.30	240.87	1,762.0	1.9	-6.4	-3.7	1.95
1,787.0	0.42	301.76	1,787.0	1.9	-6.6	-3.8	1.52
1,812.0	0.55	185.48	1,812.0	1.8	-6.7	-3.8	3.31
1,837.0	0.23	285.11	1,837.0	1.7	-6.7	-3.7	2.52
1,862.0	0.23	230.58	1,862.0	1.7	-6.8	-3.7	0.84
1,887.0	0.10	268.26	1,887.0	1.6	-6.9	-3.7	0.65
1,912.0	0.17	196.91	1,912.0	1.6	-6.9	-3.7	0.67
1,937.0	0.20	183.42	1,937.0	1.5	-6.9	-3.6	0.21
1,962.0	0.29	240.53	1,962.0	1.5	-7.0	-3.5	0.99
1,987.0	0.06	148.68	1,987.0	1.4	-7.0	-3.5	1.19
2,012.0	0.29	215.90	2,012.0	1.3	-7.1	-3.5	1.09
2,037.0	0.16	215.84	2,037.0	1.3	-7.1	-3.4	0.52
2,062.0	0.09	191.93	2,062.0	1.2	-7.1	-3.4	0.34
2,087.0	0.08	323.55	2,087.0	1.2	-7.1	-3.4	0.62
2,112.0	0.28	180.49	2,112.0	1.2	-7.2	-3.3	1.39
2,137.0	0.07	152.81	2,137.0	1.1	-7.2	-3.2	0.88
2,162.0	0.23	201.75	2,162.0	1.0	-7.2	-3.2	0.77
2,187.0	0.17	228.55	2,187.0	1.0	-7.2	-3.1	0.44
2,212.0	0.24	216.67	2,212.0	0.9	-7.3	-3.1	0.33
2,237.0	0.12	259.12	2,237.0	0.9	-7.3	-3.1	0.69
2,262.0	0.18	330.51	2,262.0	0.9	-7.4	-3.1	0.73
2,287.0	0.64	350.08	2,287.0	1.1	-7.4	-3.3	1.90
2,312.0	1.20	334.94	2,312.0	1.4	-7.5	-3.7	2.42
2,337.0	2.14	318.48	2,337.0	2.0	-8.0	-4.4	4.18
2,362.0	2.41	316.72	2,361.9	2.7	-8.6	-5.3	1.12
2,387.0	2.89	314.09	2,386.9	3.6	-9.5	-6.3	1.98
2,412.0	3.44	310.88	2,411.9	4.5	-10.5	-7.5	2.31
2,437.0	4.36	305.22	2,436.8	5.5	-11.8	-8.9	3.98
2,462.0	5.03	302.57	2,461.7	6.7	-13.5	-10.5	2.82
2,487.0	5.41	305.64	2,486.6	7.9	-15.4	-10.5	1.89

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EOW Completion Report



<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
2,512.0	5.51	310.65	2,511.5	9.4	-17.3	-14.3	1.95
2,537.0	5.63	314.29	2,536.4	11.1	-19.1	-16.4	1.49
2,562.0	5.44	317.97	2,561.3	12.8	-20.7	-18.5	1.61
2,587.0	4.60	327.30	2,586.2	14.5	-22.1	-20.6	4.68
2,612.0	4.29	326.90	2,611.1	16.1	-23.1	-22.5	1.25
2,637.0	4.10	327.27	2,636.0	17.7	-24.1	-24.2	0.77
2,662.0	3.76	328.86	2,661.0	19.1	-25.0	-25.9	1.43
2,687.0	3.46	327.41	2,685.9	20.5	-25.8	-27.4	1.25
2,712.0	3.07	326.79	2,710.9	21.7	-26.6	-28.8	1.57
2,737.0	2.82	326.63	2,735.9	22.7	-27.3	-30.0	1.00
2,762.0	2.57	326.57	2,760.8	23.7	-28.0	-31.2	1.00
2,787.0	2.35	325.27	2,785.8	24.6	-28.6	-32.2	0.91
2,812.0	2.09	326.08	2,810.8	25.4	-29.1	-33.1	1.05
2,837.0	2.00	320.88	2,835.8	26.1	-29.6	-34.0	0.82
2,862.0	1.79	320.50	2,860.8	26.8	-30.2	-34.7	0.84
2,887.0	1.74	325.68	2,885.8	27.4	-30.6	-35.5	0.67
2,912.0	1.67	321.32	2,910.7	28.0	-31.1	-36.2	0.59
2,937.0	1.44	320.89	2,935.7	28.5	-31.5	-36.8	0.92
2,962.0	1.34	317.75	2,960.7	29.0	-31.9	-37.4	0.50
2,987.0	1.28	315.62	2,985.7	29.4	-32.3	-37.9	0.31
3,012.0	1.22	321.38	3,010.7	29.8	-32.6	-38.4	0.56
3,037.0	1.22	315.06	3,035.7	30.2	-33.0	-38.9	0.54
3,062.0	1.06	317.18	3,060.7	30.5	-33.3	-39.3	0.66
3,087.0	0.98	308.23	3,085.7	30.8	-33.7	-39.7	0.71
3,112.0	0.98	302.24	3,110.7	31.1	-34.0	-40.0	0.41
3,137.0	0.78	306.12	3,135.7	31.3	-34.3	-40.3	0.83
3,162.0	0.84	297.16	3,160.7	31.5	-34.6	-40.6	0.56
3,187.0	0.77	300.75	3,185.7	31.7	-34.9	-40.9	0.34
3,212.0	0.75	308.29	3,210.7	31.8	-35.2	-41.1	0.41
3,237.0	0.72	307.11	3,235.7	32.0	-35.5	-41.4	0.13
3,262.0	0.62	328.43	3,260.7	32.3	-35.7	-41.7	1.07
3,287.0	0.64	319.03	3,285.7	32.5	-35.8	-41.9	0.42
3,312.0	0.57	322.42	3,310.7	32.7	-36.0	-42.2	0.31
3,337.0	0.62	305.29	3,335.7	32.9	-36.2	-42.4	0.74
3,362.0	0.58	309.88	3,360.7	33.0	-36.4	-42.6	0.25
3,387.0	0.55	303.27	3,385.7	33.2	-36.6	-42.8	0.29
3,412.0	0.46	297.49	3,410.7	33.3	-36.8	-43.0	0.41
3,437.0	0.43	304.21	3,435.7	33.4	-36.9	-43.1	0.24
3,462.0	0.46	296.46	3,460.7	33.5	-37.1	-43.3	0.27
3,487.0	0.45	295.28	3,485.7	33.6	-37.3	-43.4	0.05
3,512.0	0.40	296.56	3,510.7	33.6	-37.5	-43.5	0.20
3,537.0	0.38	303.52	3,535.7	33.7	-37.6	-43.6	0.21
3,562.0	0.48	287.75	3,560.7	33.8	-37.8	-43.8	0.62
3,587.0	0.41	294.27	3,585.7	33.9	-38.0	-43.9	0.35

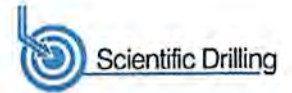
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EOW Completion Report



<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
3,612.0	0.39	297.02	3,610.7	33.9	-38.1	-44.0	0.11
3,637.0	0.40	295.97	3,635.7	34.0	-38.3	-44.1	0.05
3,662.0	0.40	299.79	3,660.7	34.1	-38.4	-44.3	0.11
3,687.0	0.42	287.88	3,685.7	34.2	-38.6	-44.4	0.35
3,712.0	0.43	288.24	3,710.7	34.2	-38.8	-44.5	0.04
3,737.0	0.40	300.76	3,735.7	34.3	-38.9	-44.6	0.38
3,762.0	0.38	300.11	3,760.7	34.4	-39.1	-44.7	0.08
3,787.0	0.36	308.24	3,785.7	34.5	-39.2	-44.9	0.22
3,812.0	0.45	293.57	3,810.7	34.6	-39.4	-45.0	0.55
3,837.0	0.43	302.59	3,835.7	34.7	-39.5	-45.1	0.29
3,862.0	0.40	299.35	3,860.7	34.8	-39.7	-45.3	0.15
3,887.0	0.39	301.12	3,885.7	34.8	-39.8	-45.4	0.06
3,912.0	0.47	285.97	3,910.7	34.9	-40.0	-45.5	0.55
3,937.0	0.44	292.14	3,935.7	35.0	-40.2	-45.6	0.23
3,962.0	0.39	290.73	3,960.7	35.0	-40.4	-45.7	0.20
3,987.0	0.40	296.89	3,985.7	35.1	-40.5	-45.9	0.17
4,012.0	0.38	297.16	4,010.7	35.2	-40.7	-46.0	0.08
4,037.0	0.45	295.58	4,035.7	35.3	-40.8	-46.1	0.28
4,062.0	0.42	288.69	4,060.7	35.3	-41.0	-46.2	0.24
4,087.0	0.44	295.00	4,085.7	35.4	-41.2	-46.3	0.21
4,112.0	0.45	292.06	4,110.7	35.5	-41.4	-46.5	0.10
4,137.0	0.44	291.14	4,135.7	35.6	-41.5	-46.6	0.05
4,162.0	0.41	294.57	4,160.7	35.6	-41.7	-46.7	0.16
4,187.0	0.43	288.70	4,185.7	35.7	-41.9	-46.8	0.19
4,212.0	0.39	294.88	4,210.7	35.8	-42.0	-47.0	0.24
4,237.0	0.45	290.54	4,235.7	35.8	-42.2	-47.1	0.27
4,262.0	0.48	291.22	4,260.7	35.9	-42.4	-47.2	0.12
4,287.0	0.39	295.23	4,285.7	36.0	-42.6	-47.3	0.38
4,312.0	0.33	292.87	4,310.6	36.0	-42.7	-47.4	0.25
4,337.0	0.32	300.91	4,335.6	36.1	-42.8	-47.5	0.19
4,362.0	0.31	303.32	4,360.6	36.2	-43.0	-47.6	0.07
4,387.0	0.36	308.18	4,385.6	36.3	-43.1	-47.7	0.23
4,412.0	0.33	301.75	4,410.6	36.4	-43.2	-47.9	0.20
4,437.0	0.37	319.65	4,435.6	36.5	-43.3	-48.0	0.46
4,462.0	0.36	315.45	4,460.6	36.6	-43.4	-48.1	0.11
4,487.0	0.24	310.74	4,485.6	36.7	-43.5	-48.3	0.49
4,512.0	0.25	320.62	4,510.6	36.7	-43.6	-48.4	0.17
4,537.0	0.31	316.11	4,535.6	36.8	-43.7	-48.5	0.26
4,562.0	0.12	285.59	4,560.6	36.9	-43.7	-48.5	0.86
4,587.0	0.13	344.66	4,585.6	36.9	-43.8	-48.6	0.49
4,612.0	0.14	349.10	4,610.6	37.0	-43.8	-48.6	0.06
4,637.0	0.13	341.65	4,635.6	37.0	-43.8	-48.7	0.08
4,662.0	0.11	15.21	4,660.6	37.1	-43.8	-48.7	0.29
4,687.0	0.15	20.45	4,685.6	37.1	-43.8	-48.8	0.17



EOW Completion Report



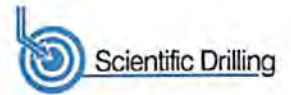
<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
4,712.0	0.14	23.71	4,710.6	37.2	-43.8	-48.8	0.05
4,737.0	0.13	9.42	4,735.6	37.3	-43.8	-48.9	0.14
4,762.0	0.11	30.59	4,760.6	37.3	-43.7	-48.9	0.19
4,787.0	0.17	12.94	4,785.6	37.4	-43.7	-49.0	0.29
4,812.0	0.16	20.12	4,810.6	37.4	-43.7	-49.0	0.09
4,837.0	0.12	30.98	4,835.6	37.5	-43.7	-49.1	0.19
4,862.0	0.13	55.83	4,860.6	37.5	-43.6	-49.1	0.22
4,887.0	0.16	19.63	4,885.6	37.6	-43.6	-49.1	0.38
4,912.0	0.17	32.11	4,910.6	37.6	-43.6	-49.2	0.15
4,937.0	0.28	28.57	4,935.6	37.7	-43.5	-49.3	0.44
4,962.0	0.17	34.96	4,960.6	37.8	-43.5	-49.3	0.45
4,987.0	0.20	47.49	4,985.6	37.9	-43.4	-49.4	0.20
5,012.0	0.23	39.39	5,010.6	37.9	-43.3	-49.4	0.17
5,037.0	0.26	36.68	5,035.6	38.0	-43.3	-49.5	0.13
5,062.0	0.24	36.94	5,060.6	38.1	-43.2	-49.5	0.08
5,087.0	0.19	37.87	5,085.6	38.2	-43.2	-49.6	0.20
5,112.0	0.20	61.67	5,110.6	38.2	-43.1	-49.6	0.32
5,137.0	0.17	57.73	5,135.6	38.3	-43.0	-49.6	0.13
5,162.0	0.20	39.98	5,160.6	38.3	-43.0	-49.7	0.26
5,187.0	0.31	25.22	5,185.6	38.4	-42.9	-49.7	0.51
5,212.0	0.23	72.98	5,210.6	38.5	-42.8	-49.8	0.92
5,237.0	0.29	94.95	5,235.6	38.5	-42.7	-49.8	0.46
5,262.0	0.27	78.59	5,260.6	38.5	-42.6	-49.7	0.33
5,287.0	0.36	85.50	5,285.6	38.5	-42.5	-49.7	0.39
5,312.0	0.37	97.01	5,310.6	38.5	-42.3	-49.7	0.30
5,337.0	0.36	84.52	5,335.6	38.5	-42.1	-49.6	0.32
5,362.0	0.40	85.70	5,360.6	38.5	-42.0	-49.6	0.16
5,387.0	0.44	100.08	5,385.6	38.5	-41.8	-49.5	0.45
5,412.0	0.44	98.33	5,410.6	38.5	-41.6	-49.4	0.05
5,437.0	0.48	95.30	5,435.6	38.5	-41.4	-49.3	0.19
5,462.0	0.47	93.91	5,460.6	38.5	-41.2	-49.3	0.06
5,487.0	0.41	91.36	5,485.6	38.4	-41.0	-49.2	0.25
5,512.0	0.50	85.78	5,510.6	38.5	-40.8	-49.1	0.40
5,537.0	0.45	93.58	5,535.6	38.5	-40.6	-49.1	0.33
5,562.0	0.43	92.82	5,560.6	38.4	-40.4	-49.0	0.08
5,587.0	0.47	93.86	5,585.6	38.4	-40.2	-48.9	0.16
5,612.0	0.57	104.27	5,610.6	38.4	-40.0	-48.8	0.55
5,637.0	0.47	94.30	5,635.6	38.4	-39.8	-48.7	0.54
5,662.0	0.45	88.33	5,660.6	38.4	-39.6	-48.7	0.21
5,687.0	0.46	92.93	5,685.6	38.3	-39.4	-48.6	0.15
5,712.0	0.42	93.66	5,710.6	38.3	-39.2	-48.5	0.16
5,737.0	0.37	92.69	5,735.6	38.3	-39.0	-48.5	0.20
5,762.0	0.30	87.83	5,760.6	38.3	-38.9	-48.4	0.30
5,787.0	0.22	92.68	5,785.6	38.3	-38.8	-48.4	0.33



EOW Completion Report



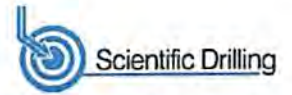
<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
5,812.0	0.18	104.21	5,810.6	38.3	-38.7	-48.3	0.23
5,837.0	0.13	81.83	5,835.6	38.3	-38.6	-48.3	0.31
5,862.0	0.12	123.07	5,860.6	38.3	-38.6	-48.3	0.35
5,887.0	0.11	101.81	5,885.6	38.3	-38.5	-48.3	0.17
5,912.0	0.17	98.09	5,910.6	38.3	-38.4	-48.2	0.24
5,937.0	0.10	68.05	5,935.6	38.3	-38.4	-48.2	0.39
5,962.0	0.15	87.16	5,960.6	38.3	-38.3	-48.2	0.26
5,987.0	0.08	56.53	5,985.6	38.3	-38.3	-48.2	0.36
6,012.0	0.17	62.35	6,010.6	38.3	-38.2	-48.2	0.36
6,037.0	0.15	344.02	6,035.6	38.4	-38.2	-48.3	0.81
6,062.0	0.07	16.30	6,060.6	38.4	-38.2	-48.3	0.39
6,087.0	0.08	14.10	6,085.6	38.4	-38.2	-48.3	0.04
6,112.0	0.25	3.24	6,110.6	38.5	-38.2	-48.4	0.69
6,137.0	0.11	50.46	6,135.6	38.6	-38.2	-48.5	0.77
6,162.0	0.07	308.30	6,160.6	38.6	-38.2	-48.5	0.57
6,187.0	0.19	21.23	6,185.6	38.7	-38.2	-48.5	0.73
6,212.0	0.07	76.30	6,210.6	38.7	-38.1	-48.5	0.64
6,237.0	0.07	135.78	6,235.6	38.7	-38.1	-48.5	0.28
6,262.0	0.24	320.15	6,260.6	38.7	-38.1	-48.6	1.24
6,287.0	0.12	51.32	6,285.6	38.8	-38.2	-48.6	1.08
6,312.0	0.09	354.66	6,310.6	38.8	-38.1	-48.7	0.41
6,337.0	0.05	289.14	6,335.6	38.8	-38.2	-48.7	0.33
6,362.0	0.20	275.48	6,360.6	38.8	-38.2	-48.7	0.61
6,387.0	0.17	22.84	6,385.6	38.9	-38.2	-48.8	1.19
6,412.0	0.19	343.27	6,410.6	39.0	-38.2	-48.8	0.49
6,437.0	0.11	94.40	6,435.6	39.0	-38.2	-48.9	1.01
6,462.0	0.11	235.99	6,460.6	39.0	-38.2	-48.8	0.83
6,487.0	0.23	323.80	6,485.6	39.0	-38.3	-48.9	1.00
6,494.8	0.15	308.67	6,493.4	39.0	-38.3	-48.9	1.21
6,544.0	0.07	216.58	6,542.6	39.0	-38.3	-48.9	0.34
6,640.0	0.32	305.72	6,638.6	39.2	-38.6	-49.1	0.34
6,672.0	0.70	39.01	6,670.6	39.4	-38.6	-49.3	2.46
6,704.0	4.33	68.36	6,702.6	40.0	-37.3	-49.5	11.67
6,736.0	8.40	68.89	6,734.4	41.2	-34.0	-49.7	12.72
6,769.0	12.10	68.47	6,766.9	43.4	-28.5	-50.0	11.21
6,801.0	15.56	71.62	6,797.9	46.0	-21.3	-50.3	11.06
6,833.0	19.12	72.49	6,828.5	48.9	-12.3	-50.3	11.15
6,865.0	22.66	73.70	6,858.4	52.2	-1.3	-50.1	11.14
6,888.0	25.34	74.55	6,879.4	54.8	7.7	-49.8	11.75
<b>Sycamore</b>							
6,897.0	26.39	74.84	6,887.5	55.8	11.4	-49.6	11.75
6,929.0	29.84	76.15	6,915.7	59.6	26.0	-48.7	10.95
6,961.0	33.31	77.22	6,942.9	63.4	42.3	-47.3	10.98
6,993.0	36.42	77.82	6,969.2	67.4	60.2	-45.6	9.78



EOW Completion Report



<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

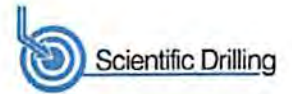
Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)
7,025.0	38.96	78.71	6,994.5	71.3	79.4	-43.5	8.12
7,057.0	39.50	84.79	7,019.3	74.2	99.4	-40.1	12.13
7,074.0	39.96	88.31	7,032.4	74.9	110.2	-37.4	13.49
<b>Middlesex</b>							
7,090.0	40.48	91.55	7,044.6	74.9	120.5	-34.2	13.49
7,122.0	41.32	97.51	7,068.8	73.2	141.4	-26.3	12.47
7,154.0	42.37	102.63	7,092.6	69.5	162.4	-16.2	11.16
7,186.0	43.54	107.06	7,116.1	63.9	183.5	-4.5	10.12
7,218.0	45.24	110.83	7,138.9	56.6	204.6	9.0	9.80
7,250.0	47.03	114.82	7,161.1	47.7	225.9	24.0	10.59
7,281.0	48.79	118.04	7,181.9	37.4	246.5	40.1	9.57
<b>Burkett</b>							
7,282.0	48.85	118.14	7,182.6	37.1	247.1	40.6	9.57
7,314.0	51.18	121.22	7,203.1	24.9	268.4	58.7	10.36
7,330.0	52.42	122.47	7,213.0	18.3	279.1	68.3	9.91
<b>Tully</b>							
7,346.0	53.68	123.68	7,222.6	11.3	289.8	78.3	9.91
7,378.0	56.45	126.62	7,241.0	-3.8	311.3	99.2	11.47
7,411.0	59.15	130.02	7,258.5	-21.1	333.1	122.4	11.95
7,443.0	61.80	134.01	7,274.3	-39.8	353.8	146.5	13.65
7,475.0	63.96	137.73	7,288.9	-60.2	373.6	172.1	12.35
7,507.0	66.55	141.56	7,302.3	-82.3	392.4	198.9	13.55
7,539.0	68.88	144.44	7,314.4	-106.0	410.3	226.9	11.06
7,571.0	71.51	146.94	7,325.3	-130.9	427.2	255.8	11.03
7,590.0	73.34	148.78	7,331.0	-146.2	436.8	273.3	13.34
<b>Marcellus</b>							
7,603.0	74.60	150.02	7,334.6	-156.9	443.2	285.5	13.34
7,635.0	77.33	152.68	7,342.4	-184.2	458.1	316.0	11.74
7,667.0	80.15	155.20	7,348.6	-212.4	471.9	347.1	11.72
7,700.0	82.64	157.09	7,353.6	-242.2	485.1	379.5	9.43
7,732.0	84.03	158.47	7,357.3	-271.6	497.1	411.2	6.10
7,747.0	85.05	158.84	7,358.7	-285.5	502.5	426.1	7.23
7,796.0	89.26	162.77	7,361.1	-331.7	518.6	475.0	11.75
7,892.0	90.87	165.07	7,361.0	-424.0	545.2	571.0	2.92
7,988.0	91.11	163.14	7,359.4	-516.3	571.5	666.9	2.03
8,084.0	91.38	162.94	7,357.3	-608.1	599.5	762.8	0.35
8,180.0	91.27	161.54	7,355.1	-699.5	628.7	858.8	1.46
8,277.0	91.01	160.91	7,353.1	-791.3	660.0	955.8	0.70
8,373.0	89.66	159.57	7,352.6	-881.7	692.4	1,051.7	1.98
8,469.0	90.57	160.84	7,352.4	-972.0	724.9	1,147.7	1.63
8,566.0	89.50	158.70	7,352.3	-1,063.0	758.5	1,244.6	2.47
8,662.0	90.74	161.00	7,352.1	-1,153.1	791.5	1,340.5	2.72
8,758.0	88.69	159.56	7,352.6	-1,243.5	823.9	1,436.4	2.61
8,855.0	90.34	162.76	7,353.4	-1,335.3	855.2	1,533.4	3.71
8,951.0	89.66	161.66	7,353.4	-1,426.7	884.6	1,629.4	1.35

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01/05/2018



<b>Company:</b>	Antero Resources	<b>Local Co-ordinate Reference:</b>	Well Chumley Unit 1H
<b>Project:</b>	Doddridge County WV	<b>TVD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Site:</b>	Trent/Kelley/Chumley/Roleson/Guss/Denver	<b>MD Reference:</b>	F22: Chumley 1H 1248 GL + 25 KB @ 1273.0usft
<b>Well:</b>	Chumley Unit 1H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Original Wellpath	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	As Drilled	<b>Database:</b>	Oklahoma District

Survey

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (%/100usft)
9,047.0	89.93	161.81	7,353.8	-1,517.8	914.6	1,725.4	0.32
9,143.0	90.27	161.50	7,353.6	-1,608.9	944.9	1,821.4	0.48
9,239.0	90.64	163.51	7,352.8	-1,700.5	973.7	1,917.4	2.13
9,336.0	88.93	161.13	7,353.2	-1,792.9	1,003.2	2,014.4	3.02
9,432.0	91.21	162.96	7,353.1	-1,884.2	1,032.8	2,110.4	3.05
9,527.0	89.70	161.02	7,352.3	-1,974.6	1,062.1	2,205.4	2.59
9,624.0	89.93	162.06	7,352.6	-2,066.6	1,092.8	2,302.4	1.10
9,720.0	90.40	163.68	7,352.4	-2,158.3	1,121.1	2,398.3	1.76
9,816.0	89.33	162.43	7,352.6	-2,250.1	1,149.1	2,494.3	1.71
9,913.0	90.13	163.13	7,353.0	-2,342.8	1,177.8	2,591.3	1.10
10,009.0	90.44	163.65	7,352.6	-2,434.8	1,205.3	2,687.3	0.63
10,106.0	90.71	163.30	7,351.6	-2,527.8	1,232.8	2,784.3	0.46
10,202.0	91.38	163.39	7,349.8	-2,619.7	1,260.4	2,880.2	0.70
10,298.0	90.50	161.93	7,348.3	-2,711.3	1,289.0	2,976.2	1.78
10,395.0	89.77	160.50	7,348.0	-2,803.2	1,320.2	3,073.2	1.66
10,491.0	90.64	160.81	7,347.7	-2,893.7	1,352.0	3,169.1	0.96
10,587.0	90.97	160.39	7,346.3	-2,984.3	1,383.9	3,265.1	0.56
10,683.0	89.76	160.25	7,345.7	-3,074.7	1,416.2	3,361.1	1.27
10,780.0	91.51	162.57	7,344.7	-3,166.6	1,447.1	3,458.0	3.00
10,876.0	92.59	164.92	7,341.2	-3,258.7	1,474.0	3,553.9	2.69
10,971.0	92.55	165.61	7,337.0	-3,350.5	1,498.1	3,648.7	0.73
11,068.0	90.03	164.48	7,334.8	-3,444.2	1,523.1	3,745.5	2.85
11,164.0	90.44	164.07	7,334.4	-3,536.6	1,549.2	3,841.5	0.60
11,261.0	90.47	163.47	7,333.6	-3,629.7	1,576.3	3,938.4	0.62
11,357.0	90.40	162.69	7,332.9	-3,721.5	1,604.2	4,034.4	0.82
11,453.0	90.50	163.08	7,332.1	-3,813.3	1,632.5	4,130.4	0.42
11,549.0	89.43	162.07	7,332.2	-3,904.9	1,661.2	4,226.4	1.53
11,646.0	89.73	161.70	7,332.9	-3,997.1	1,691.4	4,323.4	0.49

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
6,888.0	6,879.4	54.8	7.7	Sycamore
7,074.0	7,032.4	74.9	110.2	Middlesex
7,281.0	7,181.9	37.4	246.5	Burkett
7,330.0	7,213.0	18.3	279.1	Tully
7,590.0	7,331.0	-146.2	436.8	Marcellus

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

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