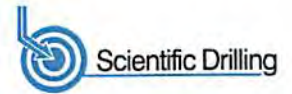




Scientific Drilling International
Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Project	Tyler County WV, Tyler Co West Virginia		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 17N (84 W to 78 W)		

Site	Coastal 2 Pad: Banner/Prudence/Tabor				
Site Position:	Northing:	14,318,150.53 usft	Latitude:	39° 25' 43.400 N	
From:	Map	Easting:	1,717,756.08 usft	Longitude:	80° 43' 34.011 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.17 °

Well	Tabor Unit 2H, Marcellus					
Well Position	+N/-S	0.0 usft	Northing:	14,318,132.94 usft	Latitude:	39° 25' 43.225 N
	+E/-W	0.0 usft	Easting:	1,717,780.37 usft	Longitude:	80° 43' 33.702 W
Position Uncertainty	2.0 usft	Wellhead Elevation:	1,207.0 usft	Ground Level:	1,188.0 usft	

Wellbore	Original Wellpath				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2015	10/1/2015	-8.59	66.83	52,187

Design	As Drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	162.08	

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Survey Program	Date	10/23/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	6,090.5	Survey #6 Def Final Gyro (Original Wellpa	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
6,173.0	18,337.0	Survey #7 MWD (Original Wellpath)	SDI MWD	Scientific Drilling Intl. MWD - Standard ver 1.0.1	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.28	218.83	100.0	-0.2	-0.2	0.1	0.28	0.28	0.00	
First SDI Gyro @ 100 MD										
125.0	0.38	204.69	125.0	-0.3	-0.2	0.2	0.51	0.40	-56.56	
150.0	0.11	217.48	150.0	-0.4	-0.3	0.3	1.10	-1.08	51.16	
175.0	0.34	196.23	175.0	-0.5	-0.3	0.4	0.96	0.92	-85.00	
200.0	0.19	258.11	200.0	-0.6	-0.4	0.4	1.21	-0.60	247.52	
225.0	0.16	254.52	225.0	-0.6	-0.4	0.4	0.13	-0.12	-14.36	
250.0	0.24	234.25	250.0	-0.6	-0.5	0.4	0.42	0.32	-81.08	
275.0	0.39	201.77	275.0	-0.7	-0.6	0.5	0.91	0.60	-129.92	



Scientific Drilling International
Survey Report



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Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
300.0	0.58	210.40	300.0	-0.9	-0.7	0.7	0.81	0.76	34.52
325.0	0.60	227.39	325.0	-1.1	-0.9	0.8	0.70	0.08	67.96
350.0	0.29	227.54	350.0	-1.3	-1.0	0.9	1.24	-1.24	0.60
375.0	0.29	207.31	375.0	-1.4	-1.1	1.0	0.41	0.00	-80.92
400.0	0.27	192.28	400.0	-1.5	-1.1	1.1	0.30	-0.08	-60.12
425.0	0.28	190.74	425.0	-1.6	-1.1	1.2	0.05	0.04	-6.16
450.0	0.28	189.13	450.0	-1.7	-1.2	1.3	0.03	0.00	-6.44
475.0	0.23	146.33	475.0	-1.8	-1.1	1.4	0.77	-0.20	-171.20
500.0	1.08	74.88	500.0	-1.8	-0.9	1.4	4.12	3.40	-285.80
525.0	1.90	72.74	525.0	-1.6	-0.3	1.5	3.29	3.28	-8.56
550.0	2.88	73.05	550.0	-1.3	0.7	1.5	3.92	3.92	1.24
575.0	3.27	72.83	574.9	-0.9	2.0	1.5	1.56	1.56	-0.88
600.0	3.53	71.25	599.9	-0.5	3.4	1.5	1.11	1.04	-6.32
625.0	4.55	68.32	624.8	0.2	5.1	1.4	4.16	4.08	-11.72
650.0	5.59	67.35	649.7	1.0	7.1	1.2	4.17	4.16	-3.88
675.0	5.63	66.94	674.6	1.9	9.4	1.0	0.23	0.16	-1.64
700.0	5.67	66.15	699.5	2.9	11.6	0.8	0.35	0.16	-3.16
725.0	5.95	66.66	724.4	3.9	14.0	0.5	1.14	1.12	2.04
750.0	6.24	66.93	749.2	5.0	16.4	0.3	1.17	1.16	1.08
775.0	6.03	66.06	774.1	6.0	18.8	0.0	0.92	-0.64	-3.48
800.0	6.11	66.10	798.9	7.1	21.3	-0.2	0.32	0.32	0.16
825.0	6.18	66.27	823.8	8.2	23.7	-0.5	0.29	0.28	0.68
850.0	6.21	66.45	848.6	9.3	26.2	-0.8	0.14	0.12	0.72
875.0	6.05	67.98	873.5	10.3	28.6	-1.0	0.91	-0.64	6.12
900.0	5.44	74.23	898.4	11.1	31.0	-1.1	3.49	-2.44	25.00
924.0	5.22	75.75	922.3	11.7	33.2	-0.9	1.09	-0.91	6.32
948.9	4.97	77.82	947.0	12.2	35.3	-0.8	1.25	-1.01	8.34
973.7	4.96	77.12	971.8	12.7	37.4	-0.6	0.25	-0.04	-2.82
998.9	5.11	78.86	996.8	13.1	39.6	-0.3	0.85	0.60	6.92
1,023.9	5.17	78.64	1,021.8	13.6	41.8	-0.1	0.25	0.24	-0.88
1,048.8	5.14	79.25	1,046.6	14.0	44.0	0.2	0.25	-0.12	2.44
1,074.3	5.14	79.25	1,072.0	14.4	46.2	0.5	0.00	0.00	0.00
1,099.1	5.19	79.76	1,096.7	14.8	48.4	0.8	0.27	0.20	2.05
1,123.8	5.34	78.86	1,121.3	15.3	50.6	1.1	0.69	0.61	-3.64
1,148.2	5.36	79.24	1,145.6	15.7	52.9	1.3	0.17	0.08	1.56
1,172.5	5.42	79.49	1,169.8	16.1	55.1	1.6	0.26	0.25	1.03
1,199.3	5.23	79.13	1,196.5	16.6	57.5	1.9	0.72	-0.71	-1.34
1,224.1	5.01	78.88	1,221.2	17.0	59.7	2.2	0.89	-0.89	-1.01
1,249.1	4.52	78.74	1,246.0	17.4	61.8	2.4	1.96	-1.96	-0.56
1,273.4	4.43	78.81	1,270.3	17.8	63.6	2.7	0.37	-0.37	0.29
1,299.8	4.20	78.75	1,296.6	18.2	65.6	2.9	0.87	-0.87	-0.23
1,324.1	4.03	79.34	1,320.9	18.5	67.3	3.1	0.72	-0.70	2.43
1,348.8	3.76	78.20	1,345.5	18.8	68.9	3.3	RECEIVED Office of Oil and Gas	-1.09	-4.61



Scientific Drilling International

Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

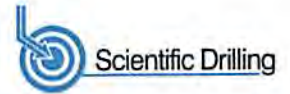
Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,373.0	3.71	80.03	1,369.7	19.1	70.5	3.5	0.53	-0.21	7.56
1,399.4	3.47	81.81	1,396.0	19.4	72.1	3.8	1.00	-0.91	6.74
1,424.1	3.28	82.47	1,420.6	19.6	73.5	4.0	0.79	-0.77	2.68
1,448.3	3.07	80.39	1,444.8	19.8	74.9	4.2	0.99	-0.87	-8.60
1,474.7	2.94	82.81	1,471.1	20.0	76.2	4.5	0.69	-0.49	9.17
1,498.8	2.80	83.79	1,495.3	20.1	77.4	4.7	0.61	-0.58	4.05
1,523.1	2.65	83.43	1,519.5	20.2	78.6	4.9	0.62	-0.62	-1.49
1,549.9	2.51	84.74	1,546.3	20.4	79.8	5.2	0.56	-0.52	4.87
1,574.1	2.25	84.73	1,570.5	20.5	80.8	5.4	1.08	-1.08	-0.04
1,598.4	2.15	85.88	1,594.7	20.5	81.7	5.6	0.45	-0.41	4.74
1,622.9	2.08	84.93	1,619.3	20.6	82.6	5.8	0.32	-0.28	-3.87
1,649.3	1.87	84.92	1,645.6	20.7	83.5	6.0	0.80	-0.80	-0.04
1,673.5	1.73	84.18	1,669.8	20.8	84.3	6.2	0.59	-0.58	-3.06
1,699.9	1.72	85.63	1,696.2	20.8	85.1	6.4	0.17	-0.04	5.48
1,724.6	1.73	83.78	1,720.9	20.9	85.8	6.5	0.23	0.04	-7.51
1,748.8	1.57	84.56	1,745.1	21.0	86.5	6.7	0.67	-0.66	3.22
1,773.0	1.50	83.47	1,769.3	21.0	87.1	6.8	0.31	-0.29	-4.51
1,799.4	1.46	82.23	1,795.7	21.1	87.8	6.9	0.19	-0.15	-4.69
1,824.0	1.38	82.45	1,820.3	21.2	88.4	7.0	0.33	-0.33	0.89
1,848.3	1.22	78.93	1,844.6	21.3	89.0	7.1	0.74	-0.66	-14.48
1,874.9	1.28	79.88	1,871.1	21.4	89.5	7.2	0.24	0.23	3.58
1,899.1	1.19	80.74	1,895.3	21.5	90.1	7.3	0.38	-0.37	3.55
1,923.7	1.22	78.17	1,919.9	21.6	90.6	7.3	0.25	0.12	-10.44
1,948.1	1.10	72.71	1,944.3	21.7	91.0	7.4	0.67	-0.49	-22.41
1,974.8	1.10	72.58	1,971.0	21.9	91.5	7.4	0.01	0.00	-0.49
1,999.3	1.12	72.04	1,995.5	22.0	92.0	7.4	0.09	0.08	-2.21
2,023.0	0.99	71.62	2,019.2	22.1	92.4	7.4	0.55	-0.55	-1.77
2,049.1	0.99	72.32	2,045.3	22.3	92.8	7.4	0.05	0.00	2.69
2,073.7	0.75	68.28	2,069.9	22.4	93.2	7.4	1.01	-0.97	-16.40
2,099.7	0.86	67.10	2,095.9	22.5	93.5	7.3	0.43	0.42	-4.54
2,123.8	0.73	74.64	2,120.0	22.7	93.8	7.3	0.69	-0.54	31.18
2,148.4	0.65	71.18	2,144.6	22.7	94.1	7.3	0.37	-0.33	-14.09
2,172.9	0.64	74.50	2,169.1	22.8	94.4	7.3	0.16	-0.04	13.56
2,199.3	0.52	63.10	2,195.5	22.9	94.6	7.3	0.63	-0.45	-43.15
2,223.5	0.40	69.19	2,219.7	23.0	94.8	7.3	0.54	-0.50	25.19
2,249.8	0.50	72.46	2,246.0	23.1	95.0	7.3	0.39	0.38	12.44
2,273.7	0.48	64.00	2,269.8	23.1	95.2	7.3	0.31	-0.08	-35.43
2,297.7	0.27	54.89	2,293.9	23.2	95.3	7.2	0.90	-0.87	-37.85
2,324.3	0.46	75.24	2,320.5	23.3	95.5	7.2	0.66	0.72	76.62
2,348.2	0.34	97.11	2,344.3	23.3	95.6	7.3	0.80	-0.50	91.58
2,374.4	0.43	72.57	2,370.6	23.3	95.8	7.3	0.71	0.34	-93.49
2,398.7	0.25	63.61	2,394.9	23.4	95.9	7.3	0.77	-0.74	-36.93
2,424.7	0.36	70.08	2,420.9	23.4	96.1	7.3	0.42	0.42	24.84

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Scientific Drilling International
Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
2,448.6	0.39	78.62	2,444.8	23.5	96.2	7.3	0.26	0.13	35.72	
2,501.9	0.24	80.86	2,498.1	23.5	96.5	7.3	0.28	-0.28	4.20	
2,526.7	0.24	75.51	2,522.9	23.5	96.6	7.3	0.09	0.00	-21.61	
2,550.8	0.24	92.46	2,546.9	23.5	96.7	7.4	0.29	0.00	70.42	
2,577.0	0.16	103.05	2,573.1	23.5	96.8	7.4	0.34	-0.31	40.44	
2,601.5	0.13	123.35	2,597.7	23.5	96.9	7.4	0.24	-0.12	82.69	
2,626.3	0.06	172.32	2,622.5	23.5	96.9	7.5	0.41	-0.28	197.62	
2,651.0	0.10	222.42	2,647.2	23.5	96.9	7.5	0.31	0.16	202.92	
2,675.4	0.11	219.36	2,671.6	23.4	96.8	7.5	0.05	0.04	-12.52	
2,700.0	0.22	296.29	2,696.2	23.4	96.8	7.5	0.91	0.45	312.98	
2,726.2	0.17	318.02	2,722.4	23.5	96.7	7.4	0.34	-0.19	82.78	
2,750.5	0.11	302.15	2,746.6	23.5	96.7	7.4	0.29	-0.25	-65.55	
2,775.2	0.08	238.90	2,771.4	23.5	96.6	7.4	0.42	-0.12	-255.56	
2,790.0	0.14	249.64	2,786.2	23.5	96.6	7.4	0.44	0.41	72.63	
Gantz @ 2790										
2,801.4	0.19	253.11	2,797.6	23.5	96.6	7.4	0.44	0.43	30.42	
2,826.5	0.23	259.07	2,822.7	23.5	96.5	7.4	0.18	0.16	23.76	
2,850.7	0.25	261.42	2,846.9	23.5	96.4	7.3	0.09	0.08	9.70	
2,877.0	0.36	279.13	2,873.1	23.5	96.3	7.3	0.55	0.42	67.47	
2,900.8	0.28	282.49	2,897.0	23.5	96.1	7.2	0.34	-0.34	14.08	
2,926.6	0.40	291.76	2,922.8	23.5	96.0	7.1	0.51	0.47	35.94	
2,932.0	0.35	293.98	2,928.2	23.5	95.9	7.1	0.98	-0.95	41.16	
Fifty Foot Sand @ 2932										
2,950.8	0.18	311.47	2,947.0	23.6	95.9	7.1	0.98	-0.90	92.89	
2,976.7	0.22	293.71	2,972.9	23.6	95.8	7.0	0.28	0.15	-68.68	
3,000.6	0.29	289.79	2,996.7	23.7	95.7	6.9	0.30	0.29	-16.41	
3,010.0	0.33	285.52	3,006.2	23.7	95.6	6.9	0.51	0.45	-45.34	
Gordon @ 3010										
3,026.7	0.41	280.15	3,022.9	23.7	95.5	6.8	0.51	0.47	-32.09	
3,050.7	0.45	288.03	3,046.8	23.8	95.4	6.7	0.30	0.17	32.90	
3,077.0	0.47	289.22	3,073.1	23.8	95.2	6.6	0.08	0.08	4.52	
3,100.8	0.51	291.10	3,097.0	23.9	95.0	6.5	0.18	0.17	7.88	
3,126.6	0.53	294.72	3,122.8	24.0	94.8	6.3	0.15	0.08	14.04	
3,151.0	0.35	309.66	3,147.2	24.1	94.6	6.2	0.87	-0.74	61.25	
3,175.0	0.40	313.03	3,171.2	24.2	94.5	6.1	0.23	0.21	14.05	
3,201.2	0.39	304.75	3,197.4	24.3	94.3	5.9	0.22	-0.04	-31.64	
3,225.2	0.30	303.02	3,221.3	24.4	94.2	5.8	0.38	-0.38	-7.22	
3,251.1	0.45	294.33	3,247.3	24.5	94.1	5.7	0.62	0.58	-33.46	
3,275.4	0.32	279.17	3,271.6	24.5	93.9	5.6	0.68	-0.54	-62.44	
3,296.0	0.51	289.64	3,292.2	24.5	93.8	5.5	1.01	0.95	50.86	
Fifth Sand @ 3296										
3,301.7	0.57	291.25	3,297.8	24.6	93.7	5.5	1.01	0.98	28.40	
3,326.1	0.53	299.63	3,322.2	24.7	93.5	5.3	0.37	-0.16	34.33	
3,330.0	0.51	299.78	3,326.2	24.7	93.5	5.3	0.37	-0.42	3.74	
Bayard @ 3330										

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Scientific Drilling International
Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

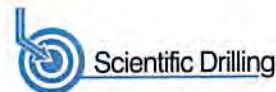
Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,350.0	0.43	300.70	3,346.2	24.8	93.3	5.2	0.42	-0.42	4.61
3,376.1	0.52	310.79	3,372.2	24.9	93.2	5.0	0.47	0.35	38.70
3,400.4	0.58	307.99	3,396.6	25.0	93.0	4.8	0.27	0.25	-11.51
3,426.6	0.53	306.96	3,422.7	25.2	92.8	4.6	0.20	-0.19	-3.94
3,451.2	0.25	300.95	3,447.3	25.3	92.6	4.4	1.15	-1.14	-24.41
3,475.5	0.43	284.02	3,471.7	25.3	92.5	4.4	0.84	0.74	-69.53
3,501.9	0.40	286.24	3,498.0	25.4	92.3	4.2	0.13	-0.11	8.43
3,526.0	0.55	295.53	3,522.2	25.5	92.1	4.1	0.70	0.62	38.50
3,550.1	0.47	284.59	3,546.2	25.5	91.9	4.0	0.52	-0.33	-45.43
3,576.5	0.53	298.73	3,572.7	25.6	91.7	3.8	0.52	0.23	53.46
3,600.6	0.50	300.20	3,596.8	25.7	91.5	3.7	0.14	-0.12	6.10
3,627.1	0.45	296.16	3,623.3	25.8	91.4	3.5	0.23	-0.19	-15.24
3,651.2	0.46	294.52	3,647.4	25.9	91.2	3.4	0.07	0.04	-6.81
3,676.3	0.44	295.12	3,672.5	26.0	91.0	3.3	0.08	-0.08	2.39
3,700.3	0.35	290.73	3,696.5	26.1	90.8	3.2	0.40	-0.37	-18.28
3,725.9	0.42	284.84	3,722.1	26.1	90.7	3.1	0.31	0.27	-23.02
3,739.0	0.48	283.09	3,735.1	26.1	90.6	3.0	0.43	0.42	-13.34
Warren @ 3739									
3,751.9	0.53	281.73	3,748.1	26.2	90.5	2.9	0.43	0.42	-10.57
3,776.2	0.52	280.22	3,772.4	26.2	90.3	2.8	0.07	-0.04	-6.21
3,802.0	0.56	281.38	3,798.1	26.3	90.0	2.7	0.16	0.16	4.51
3,825.7	0.57	287.27	3,821.9	26.3	89.8	2.6	0.25	0.04	24.78
3,851.7	0.70	293.07	3,847.9	26.4	89.5	2.4	0.56	0.50	22.32
3,875.4	0.54	292.32	3,871.5	26.5	89.3	2.2	0.68	-0.68	-3.17
3,901.4	0.58	293.42	3,897.6	26.6	89.0	2.1	0.16	0.15	4.22
3,925.4	0.60	293.08	3,921.6	26.7	88.8	1.9	0.08	0.08	-1.42
3,951.6	0.52	294.88	3,947.7	26.8	88.6	1.7	0.31	-0.31	6.89
3,975.3	0.55	278.91	3,971.4	26.9	88.4	1.6	0.64	0.13	-67.41
4,000.9	0.67	290.38	3,997.1	26.9	88.1	1.5	0.66	0.47	44.65
4,025.2	0.56	298.15	4,021.3	27.1	87.9	1.3	0.57	-0.45	32.05
4,050.8	0.55	286.15	4,047.0	27.1	87.7	1.1	0.45	-0.04	-46.78
4,076.6	0.55	300.18	4,072.7	27.2	87.4	1.0	0.52	0.00	54.46
4,100.7	0.47	297.73	4,096.9	27.3	87.2	0.8	0.34	-0.33	-10.14
4,102.0	0.47	298.06	4,098.1	27.4	87.2	0.8	0.28	0.18	26.55
Specly @ 4102									
4,126.5	0.52	303.95	4,122.6	27.5	87.0	0.7	0.28	0.19	24.04
4,150.7	0.50	293.62	4,146.8	27.6	86.9	0.5	0.39	-0.08	-42.65
4,176.8	0.49	306.68	4,173.0	27.7	86.7	0.3	0.43	-0.04	50.00
4,201.0	0.42	306.44	4,197.1	27.8	86.5	0.2	0.29	-0.29	-0.99
4,225.7	0.42	317.81	4,221.8	27.9	86.4	0.0	0.34	0.00	46.05
4,250.1	0.47	337.38	4,246.2	28.1	86.3	-0.2	0.65	0.21	80.24
4,275.7	0.45	324.87	4,271.8	28.2	86.2	-0.4	0.40	-0.08	-48.83
4,301.8	0.38	341.79	4,297.9	28.4	86.1	-0.5	0.27	-0.27	64.95

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Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,325.4	0.38	352.29	4,321.5	28.6	86.1	-0.7	0.29	0.00	44.42	
4,351.6	0.47	347.26	4,347.8	28.8	86.0	-0.9	0.37	0.34	-19.16	
4,375.4	0.51	4.55	4,371.6	29.0	86.0	-1.1	0.64	0.17	72.68	
4,397.0	0.51	0.56	4,393.1	29.2	86.0	-1.3	0.16	0.00	-18.50	
Balltown @ 4397										
4,401.3	0.51	359.76	4,397.4	29.2	86.0	-1.3	0.16	0.01	-18.49	
4,425.1	0.53	9.72	4,421.3	29.4	86.0	-1.5	0.39	0.08	41.83	
4,451.7	0.59	32.56	4,447.8	29.6	86.1	-1.7	0.86	0.23	86.09	
4,475.4	0.46	25.64	4,471.5	29.8	86.2	-1.8	0.61	-0.55	-29.14	
4,500.0	0.40	23.66	4,496.1	30.0	86.3	-2.0	0.25	-0.24	-8.05	
4,525.8	0.56	27.55	4,522.0	30.2	86.4	-2.1	0.63	0.62	15.06	
4,551.3	0.60	33.29	4,547.4	30.4	86.5	-2.3	0.28	0.16	22.54	
4,577.3	0.62	38.59	4,573.5	30.6	86.7	-2.5	0.23	0.08	20.36	
4,600.9	0.65	46.29	4,597.0	30.8	86.9	-2.6	0.38	0.13	32.74	
4,626.6	0.65	55.74	4,622.7	31.0	87.1	-2.7	0.42	0.00	36.76	
4,650.8	0.65	56.77	4,646.9	31.2	87.3	-2.8	0.05	0.00	4.26	
4,676.4	0.55	54.85	4,672.5	31.3	87.6	-2.9	0.40	-0.39	-7.49	
4,700.4	0.57	57.52	4,696.5	31.4	87.8	-2.9	0.14	0.08	11.14	
4,726.4	0.34	48.97	4,722.5	31.6	87.9	-3.0	0.92	-0.88	-32.86	
4,752.0	0.75	58.14	4,748.1	31.7	88.1	-3.1	1.63	1.60	35.76	
4,775.9	0.79	67.65	4,772.0	31.8	88.4	-3.1	0.56	0.17	39.87	
4,800.2	0.73	64.09	4,796.3	32.0	88.7	-3.1	0.31	-0.25	-14.61	
4,825.9	0.60	68.65	4,822.0	32.1	89.0	-3.2	0.55	-0.51	17.80	
4,852.3	0.73	70.79	4,848.4	32.2	89.3	-3.2	0.50	0.49	8.09	
4,875.9	0.56	70.54	4,872.0	32.3	89.5	-3.2	0.72	-0.72	-1.06	
4,885.0	0.67	74.76	4,881.1	32.3	89.6	-3.2	1.32	1.22	46.28	
Bradford @ 5360										
4,901.5	0.88	79.63	4,897.6	32.4	89.8	-3.2	1.32	1.26	29.46	
4,925.5	0.30	53.96	4,921.6	32.4	90.1	-3.2	2.59	-2.41	-106.87	
4,951.3	0.46	59.91	4,947.4	32.5	90.2	-3.2	0.64	0.62	23.07	
4,977.0	0.63	69.43	4,973.1	32.6	90.4	-3.2	0.75	0.66	37.09	
5,000.7	0.60	77.68	4,996.8	32.7	90.7	-3.2	0.39	-0.13	34.84	
5,026.8	0.52	75.06	5,022.9	32.8	90.9	-3.2	0.32	-0.31	-10.03	
5,050.8	0.63	84.30	5,046.9	32.8	91.1	-3.2	0.60	0.46	38.53	
5,076.9	0.67	91.30	5,073.0	32.8	91.4	-3.1	0.34	0.15	26.78	
5,100.9	0.57	96.04	5,097.0	32.8	91.7	-3.0	0.47	-0.42	19.74	
5,127.4	0.86	95.75	5,123.5	32.8	92.0	-2.9	1.10	1.10	-1.10	
5,151.4	0.08	159.69	5,147.5	32.7	92.2	-2.8	3.45	-3.25	266.19	
5,175.1	0.65	100.44	5,171.1	32.7	92.4	-2.7	2.59	2.41	-250.63	
5,201.2	0.57	109.76	5,197.3	32.6	92.6	-2.5	0.49	-0.31	35.60	
5,227.0	0.70	107.43	5,223.1	32.5	92.9	-2.4	0.51	0.50	-9.03	
5,250.7	0.51	127.27	5,246.8	32.4	93.1	-2.2	1.18	-0.80	83.82	
5,277.0	0.68	131.77	5,273.1	32.3	93.3	-2.0	0.67	0.65	17.10	
5,300.7	0.44	163.96	5,296.8	32.1	93.5	-1.8	1.63	-1.01	135.94	

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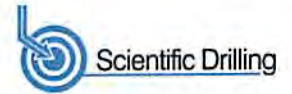
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Scientific Drilling International
Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,326.5	0.53	141.00	5,322.6	31.9	93.6	-1.5	0.82	0.35	-89.06	
5,351.8	0.58	152.99	5,347.9	31.7	93.7	-1.3	0.50	0.20	47.28	
5,375.6	0.54	160.96	5,371.7	31.5	93.8	-1.1	0.37	-0.17	33.53	
5,400.9	0.51	156.20	5,396.9	31.2	93.9	-0.9	0.21	-0.12	-18.85	
5,426.2	0.57	148.56	5,422.2	31.0	94.0	-0.6	0.37	0.24	-30.19	
5,451.9	0.59	142.90	5,447.9	30.8	94.1	-0.4	0.24	0.08	-22.02	
5,475.5	0.46	185.59	5,471.6	30.6	94.2	-0.2	1.70	-0.55	180.81	
5,500.8	0.65	137.72	5,496.9	30.4	94.3	0.1	1.91	0.75	-188.99	
5,526.5	0.65	137.11	5,522.5	30.2	94.5	0.3	0.03	0.00	-2.38	
5,551.9	0.63	175.81	5,548.0	30.0	94.6	0.6	1.67	-0.08	152.24	
5,575.2	0.57	160.07	5,571.2	29.7	94.6	0.8	0.75	-0.26	-67.67	
5,600.9	0.59	171.16	5,597.0	29.5	94.7	1.1	0.44	0.08	43.07	
5,614.0	0.57	165.65	5,610.1	29.3	94.7	1.2	0.46	-0.18	-42.08	
Alexander @ 5614										
5,626.2	0.55	160.13	5,622.3	29.2	94.7	1.3	0.46	-0.14	-45.14	
5,650.0	0.60	175.24	5,646.1	29.0	94.8	1.6	0.67	0.21	63.54	
5,675.7	0.59	166.56	5,671.8	28.7	94.8	1.8	0.35	-0.04	-33.72	
5,701.1	0.66	152.06	5,697.2	28.5	94.9	2.1	0.68	0.28	-57.13	
5,726.4	0.52	167.99	5,722.5	28.2	95.0	2.4	0.85	-0.55	63.01	
5,750.1	0.68	157.51	5,746.2	28.0	95.1	2.6	0.82	0.67	-44.18	
5,775.7	0.55	167.41	5,771.8	27.7	95.2	2.9	0.65	-0.51	38.67	
5,801.3	0.60	152.28	5,797.4	27.5	95.3	3.1	0.62	0.20	-59.12	
5,818.0	0.65	154.47	5,814.0	27.3	95.4	3.3	0.34	0.31	13.11	
Elk @ 5818										
5,827.1	0.68	155.52	5,823.1	27.2	95.4	3.4	0.34	0.31	11.57	
5,850.4	0.70	151.31	5,846.5	27.0	95.5	3.7	0.23	0.09	-18.06	
5,875.9	0.68	163.70	5,871.9	26.7	95.7	4.0	0.59	-0.08	48.63	
5,901.6	0.60	168.16	5,897.7	26.4	95.7	4.3	0.37	-0.31	17.33	
5,925.0	0.65	163.28	5,921.0	26.2	95.8	4.6	0.31	0.21	-20.87	
5,950.4	0.65	156.16	5,946.5	25.9	95.9	4.8	0.32	0.00	-27.99	
5,976.2	0.59	159.44	5,972.3	25.7	96.0	5.1	0.27	-0.23	12.71	
6,001.6	0.58	171.97	5,997.7	25.4	96.1	5.4	0.50	-0.04	49.37	
6,025.4	0.63	160.82	6,021.5	25.2	96.1	5.6	0.54	0.21	-46.81	
6,051.1	0.75	165.09	6,047.2	24.9	96.2	5.9	0.51	0.47	16.63	
6,076.0	0.81	162.65	6,072.0	24.6	96.3	6.3	0.28	0.24	-9.81	
6,090.0	0.72	172.88	6,086.0	24.4	96.3	6.5	1.16	-0.62	73.07	
Last SDI Gyro @ 6090 MD										
6,090.5	0.72	173.33	6,086.6	24.4	96.3	6.5	1.16	-0.53	81.77	
6,173.0	0.64	174.95	6,169.0	23.4	96.4	7.4	0.10	-0.10	1.96	
First SDI MWD @ 6173 MD										
6,262.0	0.54	183.17	6,258.0	22.5	96.5	8.3	0.15	-0.11	9.24	
6,307.0	0.58	183.20	6,303.0	22.0	96.4	8.7	0.09	0.09	0.07	
6,315.0	0.57	183.61	6,311.0	22.0	96.4	8.8	0.16	-0.16	5.07	
Rhinestreet @ 6315										

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Survey Report



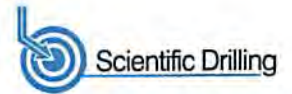
Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,352.0	0.51	185.74	6,348.0	21.6	96.4	9.1	0.16	-0.16	5.77	
6,397.0	0.72	88.75	6,393.0	21.4	96.7	9.4	2.07	0.47	-215.53	
6,442.0	6.26	69.69	6,437.9	22.3	99.3	9.3	12.41	12.31	-42.36	
6,486.0	12.77	65.53	6,481.3	25.1	105.9	8.7	14.87	14.80	-9.45	
6,531.0	18.01	65.95	6,524.7	30.0	116.8	7.4	11.65	11.64	0.93	
6,576.0	21.83	66.87	6,567.0	36.1	130.9	5.9	8.52	8.49	2.04	
6,621.0	25.18	68.57	6,608.2	42.9	147.5	4.5	7.59	7.44	3.78	
6,666.0	28.66	68.02	6,648.3	50.5	166.4	3.2	7.75	7.73	-1.22	
6,710.0	33.82	65.87	6,685.9	59.4	187.4	1.1	12.00	11.73	-4.89	
6,721.0	34.70	66.24	6,695.0	61.9	193.0	0.5	8.25	8.03	3.35	
Sycamore @ 6721										
6,755.0	37.44	67.28	6,722.5	69.8	211.4	-1.4	8.25	8.05	3.06	
6,800.0	37.64	77.12	6,758.2	78.2	237.5	-1.3	13.32	0.44	21.87	
6,845.0	38.63	87.87	6,793.7	81.8	264.9	3.7	14.90	2.20	23.89	
6,889.0	39.81	97.89	6,827.8	80.4	292.6	13.6	14.63	2.68	22.77	
6,927.0	40.39	103.47	6,856.9	75.8	316.7	25.3	9.58	1.54	14.68	
Middlesex @ 6927										
6,934.0	40.53	104.48	6,862.2	74.7	321.1	27.7	9.58	1.95	14.45	
6,979.0	42.33	109.64	6,895.9	66.0	349.5	44.8	8.57	4.00	11.47	
7,024.0	45.41	117.23	6,928.4	53.5	378.1	65.4	13.54	6.84	16.87	
7,069.0	47.95	123.39	6,959.3	37.0	406.3	89.8	11.44	5.64	13.69	
7,113.0	50.99	128.56	6,987.9	17.3	433.3	116.8	11.29	6.91	11.75	
7,123.0	51.78	129.38	6,994.1	12.4	439.4	123.4	10.23	7.95	8.23	
Burkett @ 7123										
7,158.0	54.61	132.13	7,015.1	-5.9	460.6	147.3	10.23	8.07	7.85	
7,170.0	55.76	133.50	7,021.9	-12.6	467.8	155.9	13.41	9.62	11.39	
Tully @ 7170										
7,203.0	59.01	137.07	7,039.7	-32.3	487.4	180.7	13.41	9.84	10.83	
7,248.0	64.27	140.52	7,061.1	-62.1	513.4	217.1	13.49	11.69	7.67	
7,293.0	68.66	145.35	7,079.1	-95.0	538.2	256.0	13.85	9.76	10.73	
7,311.0	70.17	146.93	7,085.4	-109.0	547.6	272.2	11.75	8.38	8.80	
Marcellus @ 7311										
7,337.0	72.37	149.17	7,093.7	-129.9	560.6	296.1	11.75	8.47	8.60	
7,382.0	75.52	152.55	7,106.2	-167.7	581.7	338.5	10.05	7.00	7.51	
7,427.0	78.90	154.63	7,116.2	-207.0	601.2	381.9	8.76	7.51	4.62	
7,472.0	81.55	157.02	7,123.8	-247.4	619.4	426.0	7.88	5.89	5.31	
7,500.0	84.32	158.68	7,127.2	-273.2	629.8	453.7	11.51	9.89	5.93	
7,545.0	89.70	159.07	7,129.6	-315.1	646.0	498.6	11.99	11.96	0.67	
7,590.0	90.07	156.86	7,129.7	-356.8	662.9	543.4	4.98	0.82	-4.91	
7,680.0	89.87	158.85	7,129.7	-440.1	696.8	633.2	2.22	-0.22	2.21	
7,769.0	91.79	162.88	7,128.4	-524.2	726.0	722.1	5.02	2.16	4.53	
7,859.0	89.74	161.91	7,127.2	-610.0	753.2	812.1	2.52	-2.28	-1.08	
7,949.0	88.52	159.71	7,128.6	-695.0	782.8	902.1	2.79	-1.36	-2.44	
8,038.0	89.16	161.58	7,130.4	-778.9	812.3	991.0	2.22	0.72	2.10	



Scientific Drilling International
Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,128.0	89.29	162.19	7,131.6	-864.4	840.3	1,081.0	0.69	0.14	0.68
8,218.0	89.93	165.81	7,132.2	-950.9	865.1	1,171.0	4.08	0.71	4.02
8,307.0	90.47	168.00	7,131.9	-1,037.6	885.2	1,259.6	2.53	0.61	2.46
8,397.0	89.16	164.16	7,132.2	-1,124.9	906.9	1,349.4	4.51	-1.46	-4.27
8,487.0	89.29	163.94	7,133.4	-1,211.5	931.6	1,439.3	0.28	0.14	-0.24
8,576.0	90.60	164.58	7,133.5	-1,297.1	955.7	1,528.3	1.64	1.47	0.72
8,666.0	89.33	162.54	7,133.6	-1,383.4	981.2	1,618.2	2.67	-1.41	-2.27
8,755.0	89.33	164.52	7,134.6	-1,468.8	1,006.4	1,707.2	2.22	0.00	2.22
8,845.0	89.13	161.39	7,135.8	-1,554.8	1,032.8	1,797.2	3.48	-0.22	-3.48
8,934.0	88.99	160.18	7,137.3	-1,638.8	1,062.1	1,886.1	1.37	-0.16	-1.36
9,024.0	90.87	163.16	7,137.4	-1,724.3	1,090.4	1,976.1	3.91	2.09	3.31
9,114.0	90.13	160.56	7,136.6	-1,809.8	1,118.4	2,066.1	3.00	-0.82	-2.89
9,203.0	89.96	156.43	7,136.5	-1,892.6	1,151.0	2,154.9	4.64	-0.19	-4.64
9,293.0	88.92	160.14	7,137.4	-1,976.2	1,184.3	2,244.7	4.28	-1.16	4.12
9,382.0	88.79	159.47	7,139.2	-2,059.7	1,215.0	2,333.6	0.77	-0.15	-0.75
9,472.0	89.60	163.45	7,140.5	-2,145.0	1,243.6	2,423.6	4.51	0.90	4.42
9,561.0	90.04	166.67	7,140.7	-2,231.0	1,266.6	2,512.4	3.65	0.49	3.62
9,651.0	89.60	163.96	7,141.0	-2,318.0	1,289.4	2,602.3	3.05	-0.49	-3.01
9,740.0	89.03	160.83	7,142.1	-2,402.8	1,316.3	2,691.3	3.57	-0.64	-3.52
9,830.0	89.37	162.43	7,143.3	-2,488.2	1,344.7	2,781.3	1.82	0.38	1.78
9,920.0	89.74	162.66	7,144.0	-2,574.1	1,371.7	2,871.2	0.48	0.41	0.26
10,010.0	89.74	161.35	7,144.4	-2,659.7	1,399.5	2,961.2	1.46	0.00	-1.46
10,099.0	89.30	161.52	7,145.2	-2,744.0	1,427.8	3,050.2	0.53	-0.49	0.19
10,189.0	89.67	160.77	7,146.0	-2,829.2	1,456.9	3,140.2	0.93	0.41	-0.83
10,279.0	90.31	161.86	7,146.0	-2,914.5	1,485.7	3,230.2	1.40	0.71	1.21
10,368.0	88.59	158.93	7,146.9	-2,998.3	1,515.6	3,319.2	3.82	-1.93	-3.29
10,458.0	89.43	162.46	7,148.4	-3,083.2	1,545.3	3,409.1	4.03	0.93	3.92
10,547.0	88.12	160.71	7,150.3	-3,167.6	1,573.4	3,498.1	2.46	-1.47	-1.97
10,637.0	89.13	161.38	7,152.5	-3,252.7	1,602.7	3,588.0	1.35	1.12	0.74
10,727.0	89.83	162.45	7,153.3	-3,338.3	1,630.6	3,678.0	1.42	0.78	1.19
10,816.0	89.50	162.22	7,153.8	-3,423.1	1,657.6	3,767.0	0.45	-0.37	-0.26
10,906.0	89.40	162.97	7,154.7	-3,508.9	1,684.5	3,857.0	0.84	-0.11	0.83
10,996.0	89.97	162.75	7,155.2	-3,594.9	1,711.0	3,947.0	0.68	0.63	-0.24
11,085.0	88.46	160.64	7,156.4	-3,679.4	1,739.0	4,036.0	2.92	-1.70	-2.37
11,175.0	90.68	163.66	7,157.1	-3,765.1	1,766.6	4,126.0	4.16	2.47	3.36
11,264.0	88.80	161.09	7,157.5	-3,849.9	1,793.5	4,214.9	3.58	-2.11	-2.89
11,354.0	89.94	162.32	7,158.5	-3,935.3	1,821.8	4,304.9	1.86	1.27	1.37
11,444.0	91.65	162.80	7,157.2	-4,021.2	1,848.7	4,394.9	1.97	1.90	0.53
11,533.0	91.75	162.80	7,154.6	-4,106.1	1,875.0	4,483.9	0.11	0.11	0.00
11,623.0	90.61	161.89	7,152.7	-4,191.9	1,902.3	4,573.9	1.62	-1.27	-1.01
11,713.0	89.14	164.16	7,152.9	-4,278.0	1,928.6	4,663.8	3.00	-1.63	2.52
11,802.0	89.33	169.27	7,154.1	-4,364.5	1,949.0	4,752.5	5.75	0.21	5.74
11,892.0	89.60	170.58	7,155.0	-4,451.1	1,964.8	4,841.7	1.49	0.30	1.46
11,982.0	89.84	170.69	7,155.4	-4,541.9	1,979.4	4,930.7	0.29	0.27	0.12

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Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

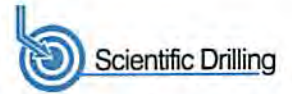
Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,071.0	88.67	164.51	7,156.6	-4,628.8	1,998.5	5,019.2	7.07	-1.31	-6.94
12,161.0	88.02	159.06	7,159.2	-4,714.2	2,026.6	5,109.1	6.10	-0.72	-6.06
12,251.0	88.93	158.84	7,161.6	-4,798.2	2,059.0	5,198.9	1.04	1.01	-0.24
12,341.0	89.60	157.01	7,162.7	-4,881.6	2,092.8	5,288.7	2.17	0.74	-2.03
12,430.0	89.87	155.96	7,163.1	-4,963.2	2,128.3	5,377.3	1.22	0.30	-1.18
12,520.0	89.17	158.46	7,163.9	-5,046.2	2,163.1	5,466.9	2.88	-0.78	2.78
12,610.0	89.60	161.25	7,164.8	-5,130.6	2,194.1	5,556.9	3.14	0.48	3.10
12,699.0	90.01	162.66	7,165.1	-5,215.3	2,221.7	5,645.9	1.65	0.46	1.58
12,789.0	88.90	163.61	7,166.0	-5,301.4	2,247.8	5,735.8	1.62	-1.23	1.06
12,878.0	88.26	162.16	7,168.2	-5,386.4	2,274.0	5,824.8	1.78	-0.72	-1.63
12,968.0	88.83	161.14	7,170.5	-5,471.8	2,302.3	5,914.8	1.30	0.63	-1.13
13,058.0	90.34	160.52	7,171.1	-5,556.8	2,331.9	6,004.7	1.81	1.68	-0.69
13,148.0	90.14	160.61	7,170.8	-5,641.7	2,361.8	6,094.7	0.24	-0.22	0.10
13,238.0	89.87	159.32	7,170.8	-5,726.2	2,392.7	6,184.6	1.46	-0.30	-1.43
13,327.0	88.87	160.12	7,171.7	-5,809.7	2,423.5	6,273.6	1.44	-1.12	0.90
13,417.0	90.48	162.86	7,172.2	-5,895.1	2,452.1	6,363.5	3.53	1.79	3.04
13,507.0	90.01	161.54	7,171.9	-5,980.7	2,479.6	6,453.5	1.56	-0.52	-1.47
13,596.0	89.00	158.77	7,172.6	-6,064.4	2,509.8	6,542.5	3.31	-1.13	-3.11
13,686.0	90.44	163.10	7,173.1	-6,149.5	2,539.2	6,632.4	5.07	1.60	4.81
13,776.0	90.31	161.90	7,172.5	-6,235.3	2,566.2	6,722.4	1.34	-0.14	-1.33
13,865.0	88.93	158.06	7,173.1	-6,318.9	2,596.7	6,811.3	4.58	-1.55	-4.31
13,955.0	89.33	159.34	7,174.4	-6,402.8	2,629.4	6,901.2	1.49	0.44	1.42
14,045.0	90.94	162.63	7,174.2	-6,487.8	2,658.7	6,991.1	4.07	1.79	3.66
14,134.0	90.81	161.17	7,172.9	-6,572.4	2,686.4	7,080.1	1.65	-0.15	-1.64
14,224.0	89.16	165.37	7,172.9	-6,658.6	2,712.3	7,170.1	5.01	-1.83	4.67
14,314.0	90.81	167.73	7,172.9	-6,746.1	2,733.2	7,259.8	3.20	1.83	2.62
14,403.0	90.84	164.03	7,171.6	-6,832.4	2,754.9	7,348.6	4.16	0.03	-4.16
14,493.0	90.74	162.14	7,170.4	-6,918.5	2,781.1	7,438.6	2.10	-0.11	-2.10
14,583.0	91.45	162.67	7,168.7	-7,004.3	2,808.3	7,528.5	0.98	0.79	0.59
14,672.0	89.67	163.62	7,167.8	-7,089.4	2,834.1	7,617.5	2.27	-2.00	1.07
14,762.0	88.49	161.66	7,169.2	-7,175.3	2,860.9	7,707.5	2.54	-1.31	-2.18
14,852.0	88.26	161.31	7,171.8	-7,260.6	2,889.5	7,797.4	0.47	-0.26	-0.39
14,942.0	88.49	161.18	7,174.4	-7,345.8	2,918.4	7,887.4	0.29	0.26	-0.14
15,031.0	88.79	161.30	7,176.5	-7,430.1	2,947.0	7,976.4	0.36	0.34	0.13
15,121.0	89.36	161.07	7,177.9	-7,515.2	2,976.1	8,066.3	0.68	0.63	-0.26
15,211.0	91.04	163.90	7,177.6	-7,601.0	3,003.1	8,156.3	3.66	1.87	3.14
15,300.0	89.57	159.38	7,177.1	-7,685.5	3,031.2	8,245.3	5.34	-1.65	-5.08
15,390.0	89.87	161.74	7,177.6	-7,770.4	3,061.1	8,335.3	2.64	0.33	2.62
15,480.0	90.44	162.14	7,177.3	-7,855.9	3,089.0	8,425.3	0.77	0.63	0.44
15,569.0	90.47	161.47	7,176.6	-7,940.5	3,116.8	8,514.3	0.75	0.03	-0.75
15,659.0	90.81	166.17	7,175.6	-8,026.9	3,141.9	8,604.2	5.24	0.38	5.22
15,749.0	89.73	163.39	7,175.2	-8,113.7	3,165.5	8,694.1	3.31	-1.20	-3.09
15,838.0	90.30	163.86	7,175.2	-8,199.1	3,190.6	8,783.0	0.64	0.64	0.53

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Survey Report



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
15,928.0	89.87	161.87	7,175.0	-8,285.1	3,217.1	8,873.0	2.26	-0.48	-2.21
16,018.0	90.24	160.60	7,174.9	-8,370.3	3,246.1	8,963.0	1.47	0.41	-1.41
16,107.0	90.34	159.83	7,174.5	-8,454.1	3,276.2	9,052.0	0.87	0.11	-0.87
16,197.0	89.26	160.28	7,174.8	-8,538.7	3,306.9	9,141.9	1.30	-1.20	0.50
16,287.0	90.77	164.79	7,174.8	-8,624.5	3,333.9	9,231.9	5.28	1.68	5.01
16,376.0	89.33	163.29	7,174.7	-8,710.0	3,358.4	9,320.8	2.34	-1.62	-1.69
16,466.0	90.10	166.67	7,175.2	-8,797.0	3,381.7	9,410.7	3.85	0.86	3.76
16,555.0	90.14	167.23	7,175.0	-8,883.7	3,401.8	9,499.4	0.63	0.04	0.63
16,645.0	89.67	164.12	7,175.1	-8,970.8	3,424.0	9,589.2	3.49	-0.52	-3.46
16,735.0	90.37	162.26	7,175.1	-9,057.0	3,450.1	9,679.2	2.21	0.78	-2.07
16,824.0	89.97	159.68	7,174.8	-9,141.1	3,479.1	9,768.1	2.93	-0.45	-2.90
16,914.0	90.24	159.19	7,174.7	-9,225.4	3,510.7	9,858.0	0.62	0.30	-0.54
17,004.0	89.53	157.42	7,174.8	-9,309.0	3,544.0	9,947.8	2.12	-0.79	-1.97
17,094.0	89.10	158.67	7,175.9	-9,392.5	3,577.6	10,037.6	1.47	-0.48	1.39
17,184.0	90.10	161.35	7,176.5	-9,477.0	3,608.4	10,127.5	3.18	1.11	2.98
17,273.0	90.71	162.21	7,175.9	-9,561.6	3,636.2	10,216.5	1.18	0.69	0.97
17,363.0	89.20	159.09	7,176.0	-9,646.5	3,666.0	10,306.5	3.85	-1.68	-3.47
17,452.0	89.13	158.62	7,177.3	-9,729.5	3,698.1	10,395.3	0.53	-0.08	-0.53
17,542.0	90.27	161.43	7,177.8	-9,814.1	3,728.9	10,485.3	3.37	1.27	3.12
17,632.0	90.47	160.40	7,177.2	-9,899.1	3,758.3	10,575.2	1.17	0.22	-1.14
17,721.0	89.23	157.65	7,177.4	-9,982.2	3,790.1	10,664.1	3.39	-1.39	-3.09
17,811.0	89.50	160.54	7,178.4	-10,066.3	3,822.2	10,754.0	3.22	0.30	3.21
17,901.0	91.18	165.47	7,177.9	-10,152.3	3,848.5	10,843.9	5.79	1.87	5.48
17,990.0	90.00	162.40	7,177.0	-10,237.8	3,873.2	10,932.9	3.70	-1.33	-3.45
18,080.0	90.54	164.30	7,176.5	-10,324.0	3,899.0	11,022.8	2.19	0.60	2.11
18,170.0	90.54	163.46	7,175.7	-10,410.5	3,923.9	11,112.8	0.93	0.00	-0.93
18,259.0	90.81	163.97	7,174.6	-10,495.9	3,948.9	11,201.7	0.65	0.30	0.57
18,272.0	90.71	163.54	7,174.5	-10,508.4	3,952.5	11,214.7	3.40	-0.77	-3.31
Last SDI MWD @ 18272 MD									
18,337.0	90.71	163.54	7,173.7	-10,570.7	3,970.9	11,279.7	0.00	0.00	0.00
Projection To Bit @ 18337 MD / 7173 TVD									

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Environmental Protection

02/16/2018



Company:	Antero Resources	Local Co-ordinate Reference:	Well Tabor Unit 2H
Project:	Tyler County WV	TVD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Site:	Coastal 2 Pad: Banner/Prudence/Tabor	MD Reference:	Precision 525: 1188' GL + 19' KB @ 1207.0usft
Well:	Tabor Unit 2H	North Reference:	Grid
Wellbore:	Original Wellpath	Survey Calculation Method:	Minimum Curvature
Design:	As Drilled	Database:	Antero NE

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,790.0	2,786.2	Gantz @ 2790		0.00		
2,932.0	2,928.2	Fifty Foot Sand @ 2932		0.00		
3,010.0	3,006.2	Gordon @ 3010		0.00		
3,296.0	3,292.2	Fifth Sand @ 3296		0.00		
3,330.0	3,326.2	Bayard @ 3330		0.00		
3,739.0	3,735.1	Warren @ 3739		0.00		
4,102.0	4,098.1	Speeclly @ 4102		0.00		
4,397.0	4,393.1	Balltown @ 4397		0.00		
4,885.0	4,881.1	Bradford @ 5360		0.00		
5,614.0	5,610.1	Alexander @ 5614		0.00		
5,818.0	5,814.0	Elk @ 5818		0.00		
6,315.0	6,311.0	Rhinestreet @ 6315		0.00		
6,721.0	6,695.0	Sycamore @ 6721		0.00		
6,927.0	6,856.9	Middlesex @ 6927		0.00		
7,123.0	6,994.1	Burkett @ 7123		0.00		
7,170.0	7,021.9	Tully @ 7170		0.00		
7,311.0	7,085.4	Marcellus @ 7311		0.00		

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
100.0	100.0	-0.2	-0.2	First SDI Gyro @ 100 MD	
6,090.0	6,086.0	24.4	96.3	Last SDI Gyro @ 6090 MD	
6,173.0	6,169.0	23.4	96.4	First SDI MWD @ 6173 MD	
18,272.0	7,174.5	-10,508.4	3,952.5	Last SDI MWD @ 18272 MD	
18,337.0	7,173.7	-10,570.7	3,970.9	Projection To Bit @ 18337 MD / 7173 TVD	

Checked By: _____ Approved By: _____ Date: _____

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