

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47 - 095 - 02619 County Tyler District Ellsworth  
Quad Shirley 7.5' Pad Name State Ridge Pad Field/Pool Name -----  
Farm name John D. Mendenhall & Jeffery A. Davis Well Number Sisterville Unit 2H  
Operator (as registered with the OOG) Antero Resources Corporation  
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4373211.358m Easting 510805.096m  
Landing Point of Curve Northing ----- Easting -----  
Bottom Hole Northing 4376825.381m Easting 510367.678m

Elevation (ft) 1064' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other -----  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other -----  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
Air - Foam & 4% KCL  
Mud - Polymer

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Date permit issued 5/16/2019 Date drilling commenced 8/11/2019 Date drilling ceased 2/4/2020  
Date completion activities began 4/15/2020 Date completion activities ceased 5/8/2020  
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 44' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1490' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft 100' Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by:  
[Signature]  
11/6/2020

API 47-095 - 02619 Farm name John D. Mendenhall & Jeffery A. Davis Well number Sisterville Unit 2H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24"	20"	105'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	397'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2741'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	17837'	New	23#, HCP-110	N/A	Y
Tubing		2-3/8"	7280'		4.7#, P-110		
Packer type and depth set		N/A					

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	242 sx	15.6	1.18	241	0'	8 Hrs.
Surface	Class A	319 sx	15.6	1.20	635	0'	8 Hrs.
Coal							
Intermediate 1	Class A	933 sx	15.6	1.19	1082	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	792 sx (Lead) 2272 sx (Tail)	14.5 (Lead), 15.2(Tail)	1.4 (Lead), 1.6 (Tail)	3003	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 17857' MD, 6454' TVD (BHL), 6455' (Deepest Point Drilled) Loggers TD (ft) 17857' MD  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 6416'

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

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DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_  
 Conductor - 0  
 Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface  
 Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface  
 Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED N/A





API 47-095-02619 Farm Name John D. Mendenhall & Jeffrey A. Davis Well Number Sisterville Unit 2H

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/31/2020	17739.3	17696	60	Marcellus
2	3/31/2020	17658.02288	17491.1373	60	Marcellus
3	4/1/2020	17455.36013	17288.4745	60	Marcellus
4	4/1/2020	17252.69739	17085.8118	60	Marcellus
5	4/1/2020	17050.03464	16883.149	60	Marcellus
6	4/1/2020	16847.3719	16680.4863	60	Marcellus
7	4/2/2020	16644.70915	16477.8235	60	Marcellus
8	4/2/2020	16442.04641	16275.1608	60	Marcellus
9	4/2/2020	16239.38366	16072.498	60	Marcellus
10	4/2/2020	16036.72092	15869.8353	60	Marcellus
11	4/3/2020	15834.05817	15667.1725	60	Marcellus
12	4/3/2020	15631.39542	15464.5098	60	Marcellus
13	4/3/2020	15428.73268	15261.8471	60	Marcellus
14	4/3/2020	15226.06993	15059.1843	60	Marcellus
15	4/3/2020	15023.40719	14856.5216	60	Marcellus
16	4/4/2020	14820.74444	14653.8588	60	Marcellus
17	4/4/2020	14618.0817	14451.1961	60	Marcellus
18	4/4/2020	14415.41895	14248.5333	60	Marcellus
19	4/4/2020	14212.75621	14045.8706	60	Marcellus
20	4/4/2020	14010.09346	13843.2078	60	Marcellus
21	4/4/2020	13807.43072	13640.5451	60	Marcellus
22	4/5/2020	13604.76797	13437.8824	60	Marcellus
23	4/5/2020	13402.10523	13235.2196	60	Marcellus
24	4/5/2020	13199.44248	13032.5569	60	Marcellus
25	4/5/2020	12996.77974	12829.8941	60	Marcellus
26	4/5/2020	12794.11699	12627.2314	60	Marcellus
27	4/6/2020	12591.45425	12424.5686	60	Marcellus
28	4/6/2020	12388.7915	12221.9059	60	Marcellus
29	4/6/2020	12186.12876	12019.2431	60	Marcellus
30	4/6/2020	11983.46601	11816.5804	60	Marcellus
31	4/6/2020	11780.80327	11613.9176	60	Marcellus
32	4/7/2020	11578.14052	11411.2549	60	Marcellus
33	4/7/2020	11375.47778	11208.5922	60	Marcellus
34	4/7/2020	11172.81503	11005.9294	60	Marcellus
35	4/7/2020	10970.15229	10803.2667	60	Marcellus
36	4/7/2020	10767.48954	10600.6039	60	Marcellus
37	4/8/2020	10564.8268	10397.9412	60	Marcellus
38	4/8/2020	10362.16405	10195.2784	60	Marcellus
39	4/8/2020	10159.50131	9992.61569	60	Marcellus
40	4/8/2020	9956.838562	9789.95294	60	Marcellus
41	4/9/2020	9754.175817	9587.2902	60	Marcellus
42	4/9/2020	9551.513072	9384.62745	60	Marcellus
43	4/9/2020	9348.850327	9181.96471	60	Marcellus
44	4/9/2020	9146.187582	8979.30196	60	Marcellus
45	4/10/2020	8943.524837	8776.63922	60	Marcellus
46	4/10/2020	8740.862092	8573.97647	60	Marcellus
47	4/10/2020	8538.199346	8371.31373	60	Marcellus
48	4/10/2020	8335.536601	8168.65098	60	Marcellus
49	4/10/2020	8132.873856	7965.98824	60	Marcellus
50	4/11/2020	7930.211111	7763.32549	60	Marcellus
51	4/11/2020	7727.548366	7560.66275	60	Marcellus
52	4/11/2020	7524.885621	7358	60	Marcellus

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**EXHIBIT 2**

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbbls)	Amount of Nitrogen/ other (units)
1	3/31/2020	81.6	7718	7107	4188	167420	4868.866	N/A
2	3/31/2020	92.3	8463	5513	4170	405340	7324.976	N/A
3	4/1/2020	88.9	8032	5503	4134	404000	7270.12	N/A
4	4/1/2020	87.7	8129	5487	4183	402740	7174.86	N/A
5	4/1/2020	87.9	8418	5381	3781	413760	7304.03	N/A
6	4/1/2020	91	8532	5279	3560	414820	7455.87	N/A
7	4/2/2020	88.8	8553	5928	3451	409220	7440.96	N/A
8	4/2/2020	94.9	8584	5642	3467	411400	7376.98	N/A
9	4/2/2020	94.9	8670	5873	3975	412800	7462.23	N/A
10	4/2/2020	94.9	8554	6005	3746	413780	7379.95	N/A
11	4/3/2020	94.9	8478	5573	3465	404640	7233.44	N/A
12	4/3/2020	93	8365	5692	3615	404240	7230.34	N/A
13	4/3/2020	92.3	8383	5655	3634	410120	7251.45	N/A
14	4/3/2020	93.7	8346	5788	3761	403040	7246.04	N/A
15	4/3/2020	90.3	8160	5859	3746	408520	7281.1	N/A
16	4/4/2020	96.3	8489	5955	4310	412260	7168.81	N/A
17	4/4/2020	97.2	8460	5025	3568	415320	7015.29	N/A
18	4/4/2020	95.9	8453	5929	3821	403280	7207.8	N/A
19	4/4/2020	96.5	8265	5709	3872	398680	7179.15	N/A
20	4/4/2020	94.6	8413	4981	4315	397200	7252.82	N/A
21	4/4/2020	96.2	8298	5825	3997	405000	7144.94	N/A
22	4/5/2020	95.8	8155	6138	3894	409240	7115.91	N/A
23	4/5/2020	95.9	8151	5839	3848	401760	7147.84	N/A
24	4/5/2020	96.5	8090	5704	4001	406980	7348.83	N/A
25	4/5/2020	65.6	8498	5711	4090	416800	8972.931	N/A
26	4/5/2020	95.1	7760	5440	4119	402680	7070.08	N/A
27	4/6/2020	96.9	7887	5836	3593	414120	6987.68	N/A
28	4/6/2020	95.5	7834	5715	3821	408460	7090.1	N/A
29	4/6/2020	95.1	8000	5987	3483	405620	7139.83	N/A
30	4/6/2020	96.3	8212	5755	3658	408660	7306.84	N/A
31	4/6/2020	96.5	7858	6363	3924	402940	6820.96	N/A
32	4/7/2020	97.5	7903	5809	4070	403480	6905.33	N/A
33	4/7/2020	95.8	8129	5932	4199	411080	7163.79	N/A
34	4/7/2020	95.5	8110	6134	3960	404780	7089.47	N/A
35	4/7/2020	95.3	7838	6524	3966	404940	7100.98	N/A
36	4/7/2020	95.3	7822	6169	4028	406200	6976.2	N/A
37	4/8/2020	92.2	7918	5710	3519	405540	7756.81	N/A
38	4/8/2020	89.5	7954	7045	4203	404300	9362.04	N/A
39	4/8/2020	92	7797	6218	3851	410800	7096.42	N/A
40	4/8/2020	92.1	7526	6371	4173	403560	6948.16	N/A
41	4/9/2020	92.7	7465	5979	4272	404975	7017.43	N/A
42	4/9/2020	96.3	7394	6232	4157	412430	7054.49	N/A
43	4/9/2020	96.1	7623	5947	4613	401220	6973.17	N/A
44	4/9/2020	96.7	7423	6611	4573	409420	6978.81	N/A
45	4/10/2020	95.6	7203	6230	4010	405600	7002.58	N/A
46	4/10/2020	96.9	7333	5994	4159	407420	7079.37	N/A
47	4/10/2020	95.7	7244	5698	4069	406080	6907.96	N/A
48	4/10/2020	97	7289	6044	4480	405620	6874.82	N/A
49	4/10/2020	95	7105	6442	4216	403000	6826.19	N/A
50	4/11/2020	95.7	7065	5973	4491	402100	6836.12	N/A
51	4/11/2020	96	7237	6250	4218	404220	6938.81	N/A
52	4/11/2020	97	7144	6169	4259	407980	6972.3	N/A
	AVG=	93	8,250	5,756	3,862	13,209,400	237,340	TOTAL

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**EXHIBIT 3**

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandstone	100	300	100	300
Siltstone	300	450	300	450
Siltstone w/ trace coal	450	510	450	510
Shaly Siltstone	510	630	510	630
Sandstone	630	700	630	700
Siltstone w/ trace coal	700	850	700	850
Silty Shale	850	970	850	970
Shale	970	1,010	970	1,010
Limestone w/ trace coal	1,010	1,130	1,010	1,130
Shaly Siltstone	1,130	1,510	1,130	1,510
Shaly Sandstone	1,510	1,830	1,510	1,830
Sandstone w/ interbedded coals	1,830	1,870	1,830	1,870
Shale	1,870	1,910	1,870	1,910
Sandy Siltstone	1,910	1,928	1,910	2,001
Big Lime	1,928	2,569	1,976	2,723
Fifty Foot Sandstone	2,569	2,644	2,698	2,807
Gordon	2,644	2,972	2,782	3,169
Fifth Sandstone	2,972	3,055	3,144	3,263
Bayard	3,055	3,923	3,238	4,238
Speechley	3,923	4,215	4,213	4,560
Balltown	4,215	4,599	4,535	4,990
Bradford	4,599	5,017	4,965	5,460
Benson	5,017	5,249	5,435	5,720
Alexander	5,249	6,327	5,695	6,972
Sycamore	6,194	6,302	6,796	6,947
Middlesex	6,302	6,389	6,947	7,108
Burkett	6,389	6,411	7,108	7,160
Tully	6,411	6,460	7,160	7,311
Marcellus	6,460	NA	7,311	NA

\*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.

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# ANTERO RESOURCES CORPORATION

Location: Tyler County, WV  
 Slot: Slot #04  
 Field: Tyler  
 Well: Sisterville Unit 2H  
 Wellbore: Sisterville Unit 2H PWB  
 Facility: State Ridge Pad



Plot reference wellpath is Sisterville Unit 2H PWP Rev-A-0  
 True vertical depths are referenced to H&P 317 (RKB)  
 Reference wellpath measured depths are referenced to H&P 317 (RKB)  
 H&P 317 (RKB) to Mean Sea Level: 1089.5 feet  
 Mean Sea Level to Ground level (At Slot, Slot #04) : 1064ft  
 Offset wellpath MDs are referenced to each path's defined MD datum  
 Grid System: NAD83/UTM, Zone 17 North, US feet  
 North Reference: Grid north  
 Scale: True distance  
 Coordinates are in feet referenced to Slot  
 Depths are in feet  
 Created by: released on 2020/02/07 Database: WA\_MPL\_EasternUS\_Datum

Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
State Ridge Pad	107581.61950	14347063.090	80°52'28.1461"W
Slot	Local N (ft)	Grid East (US ft)	Longitude
Slot #04	0.00	107581.61950	80°52'28.1461"W
Slot #04	0.00	14347063.090	80°52'28.1461"W
Comment:	Sisterville Unit 2H		
H&P 317 (RKB) to Ground level (At Slot, Slot #04)	25.5ft		
Mean Sea Level to Ground level (At Slot, Slot #04)	-1064ft		
H&P 317 (RKB) to Mean Sea Level	1089.5ft		

Well Data			
Slot	Well	Wellbore	Wellpath
Slot #04	Sisterville Unit 2H	Sisterville Unit 2H AWB	Sisterville Unit 2H AWP Proj. 17857
Slot #04	Sisterville Unit 2H	Sisterville Unit 2H PWB	Sisterville Unit 2H PWP Rev-A-0

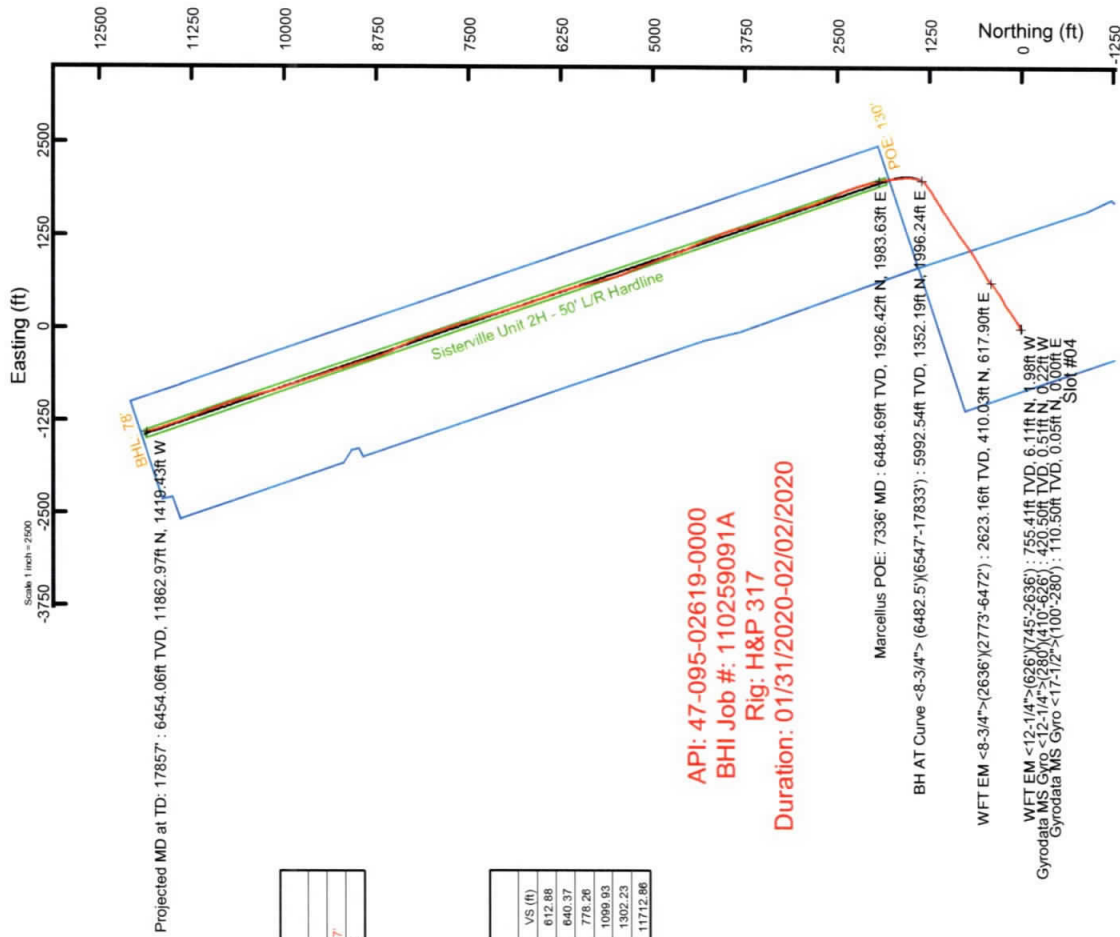
Gyrodata MS Gyro <17-1/2>(100-280) : 0.07° Inc, 110.50ft MD, 110.50ft TVD, 0.05ft VS  
 Gyrodata MS Gyro <12-1/4>(280)(410-626) : 0.46° Inc, 420.50ft MD, 420.50ft TVD, 0.56ft VS  
 WFT EM <12-1/4>(626)(745-2636) : 2.80° Inc, 755.50ft MD, 755.41ft TVD, 6.43ft VS

Well Profile Data					
Design Comment	MD (ft)	Az (°)	TVD (ft)	Local E (ft)	VS (ft)
The On	6482.50	36.120	5936.21	1325.86	612.88
Proj. To Bottom	6572.50	31.210	6014.43	1363.17	640.37
End of 3D Arc	6859.71	40.207	6248.46	1522.90	778.26
POE	7262.76	71.471	341.087	1844.24	1069.93
Landing Pt.	7468.64	90.000	341.087	2035.63	1302.23
BHL	17819.27	90.000	341.087	11884.22	-1450.39
					0.00
					11712.86

WFT EM <8-3/4>(2636)(2773-6472) : 24.46° Inc, 2783.50ft MD, 2623.16ft TVD, 187.65ft VS

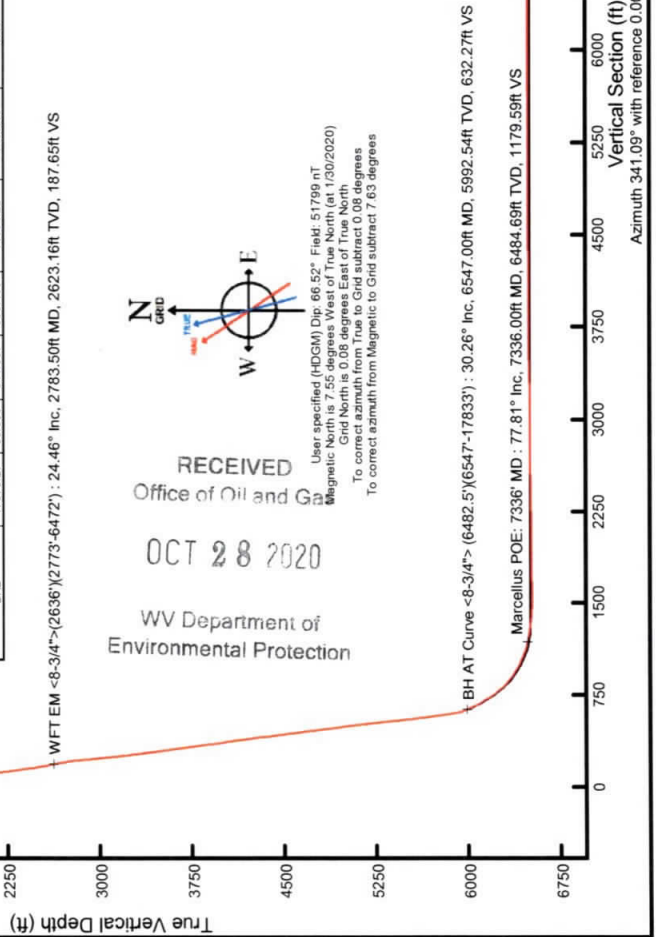
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User specified (HDCM) Dip: 66.52° Field: 51799 n  
 Magnetic North is 0.06 degrees West of True North  
 Grid North is 0.06 degrees East of True North  
 To correct azimuth from True to Grid subtract 0.06 degrees  
 To correct azimuth from Magnetic to Grid subtract 7.63 degrees



API: 47-095-02619-0000  
 BHI Job #: 110259091A  
 Rig: H&P 317  
 Duration: 01/31/2020-02/02/2020

Projected MD at TD: 17857 : 6454.06ft TVD, 11862.97ft N, 1419.43ft W  
 Marcellus POE: 7336° MD : 6484.69ft TVD, 1926.42ft N, 1983.63ft E  
 BH AT Curve <8-3/4> : (6482.5)(6547-17833) : 5992.54ft TVD, 1352.19ft N, 1996.24ft E  
 WFT EM <8-3/4>(2636)(2773-6472) : 2623.16ft TVD, 410.03ft N, 617.90ft E  
 Gyrodata MS Gyro <12-1/4>(280)(410-626) : 420.50ft TVD, 0.51ft N, 0.00ft E  
 Gyrodata MS Gyro <17-1/2>(100-280) : 110.50ft TVD, 0.05ft N, 0.00ft E  
 WFT EM <12-1/4>(626)(745-2636) : 755.41ft TVD, 6.11ft N, 1.98ft W  
 Slot #04



Projected MD at TD: 17857 : 30.43° Inc, 17857.00ft MD, 6454.06ft TVD, 11682.72ft VS  
 Marcellus POE: 7336° MD : 77.81° Inc, 7336.00ft MD, 6484.69ft TVD, 1179.59ft VS  
 BH AT Curve <8-3/4> : (6482.5)(6547-17833) : 30.26° Inc, 6547.00ft MD, 5992.54ft TVD, 632.27ft VS



# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	3/31/2020
Job End Date:	4/11/2020
State:	West Virginia
County:	Tyler
API Number:	47-095-02619-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Sisterville Unit 2H
Latitude:	39.50839000
Longitude:	-80.87449000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,485
Total Base Water Volume (gal):	16,443,336
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

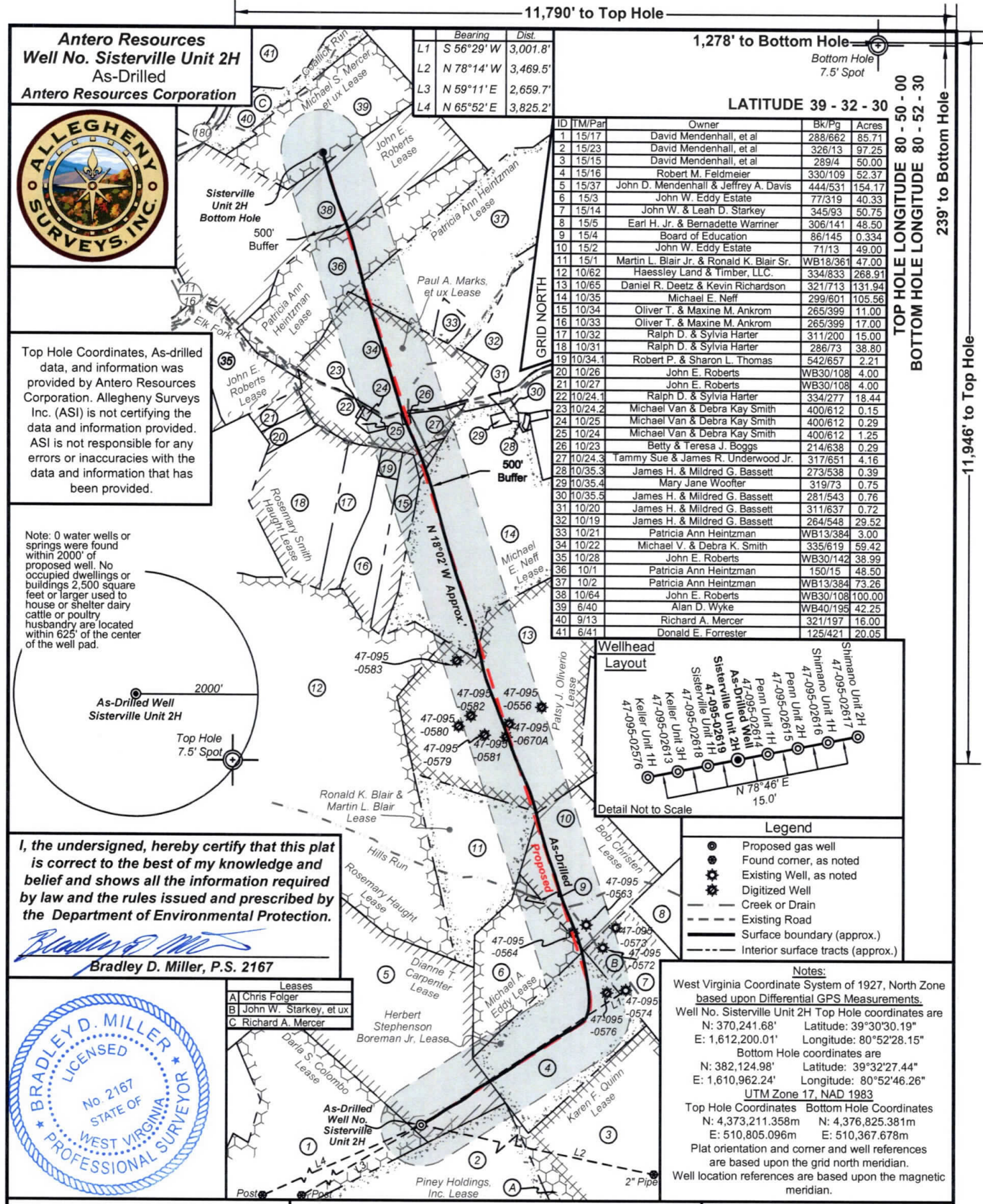
Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Supplied by Operator	Base Fluid	Water	7732-18-5	100.00000	86.48055	
Hydrochloric Acid	WV Department of Environmental Protection	Clean Perforations		Listed Below			

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	Bearing	Dist.
L1	S 56°29' W	3,001.8'
L2	N 78°14' W	3,469.5'
L3	N 59°11' E	2,659.7'
L4	N 65°52' E	3,825.2'

1,278' to Bottom Hole  
Bottom Hole  
7.5' Spot

LATITUDE 39 - 32 - 30  
TOP HOLE LONGITUDE 80 - 50 - 00  
BOTTOM HOLE LONGITUDE 80 - 52 - 30

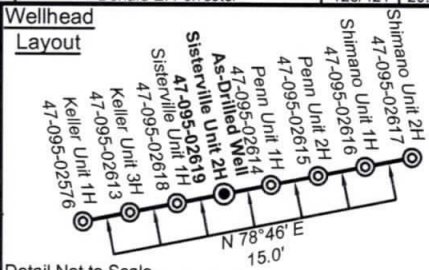
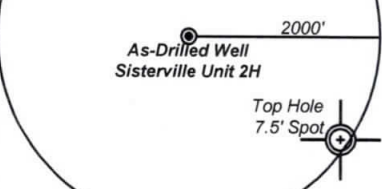
ID	TM/Par	Owner	Bk/Pg	Acres
1	15/17	David Mendenhall, et al	288/662	85.71
2	15/23	David Mendenhall, et al	326/13	97.25
3	15/15	David Mendenhall, et al	289/4	50.00
4	15/16	Robert M. Feldmeier	330/109	52.37
5	15/37	John D. Mendenhall & Jeffrey A. Davis	444/531	154.17
6	15/3	John W. Eddy Estate	77/319	40.33
7	15/14	John W. & Leah D. Starkey	345/93	50.75
8	15/5	Earl H. Jr. & Bernadette Warner	306/141	48.50
9	15/4	Board of Education	86/145	0.334
10	15/2	John W. Eddy Estate	71/13	49.00
11	15/1	Martin L. Blair Jr. & Ronald K. Blair Sr.	WB18/361	47.00
12	10/62	Haessley Land & Timber, LLC.	334/833	268.91
13	10/65	Daniel R. Deetz & Kevin Richardson	321/713	131.94
14	10/34	Michael E. Neff	299/601	105.56
15	10/34	Oliver T. & Maxine M. Ankrum	265/399	11.00
16	10/33	Oliver T. & Maxine M. Ankrum	265/399	17.00
17	10/32	Ralph D. & Sylvia Harter	311/200	15.00
18	10/31	Ralph D. & Sylvia Harter	286/73	38.80
19	10/34.1	Robert P. & Sharon L. Thomas	542/657	2.21
20	10/26	John E. Roberts	WB30/108	4.00
21	10/27	John E. Roberts	WB30/108	4.00
22	10/24.1	Ralph D. & Sylvia Harter	334/277	18.44
23	10/24.2	Michael Van & Debra Kay Smith	400/612	0.15
24	10/25	Michael Van & Debra Kay Smith	400/612	0.29
25	10/24	Michael Van & Debra Kay Smith	400/612	1.25
26	10/23	Betty & Teresa J. Boggs	214/638	0.29
27	10/24.3	Tammy Sue & James R. Underwood Jr.	317/651	4.16
28	10/35.3	James H. & Mildred G. Bassett	273/538	0.39
29	10/35.4	Mary Jane Wootter	319/73	0.75
30	10/35.5	James H. & Mildred G. Bassett	281/543	0.76
31	10/20	James H. & Mildred G. Bassett	311/637	0.72
32	10/19	James H. & Mildred G. Bassett	264/548	29.52
33	10/21	Patricia Ann Heintzman	WB13/384	3.00
34	10/22	Michael V. & Debra K. Smith	335/619	59.42
35	10/28	John E. Roberts	WB30/142	38.99
36	10/1	Patricia Ann Heintzman	150/15	48.50
37	10/2	Patricia Ann Heintzman	WB13/384	73.26
38	10/64	John E. Roberts	WB30/108	100.00
39	6/40	Alan D. Wyke	WB40/195	42.25
40	9/13	Richard A. Mercer	321/197	16.00
41	6/41	Donald E. Forrester	125/421	20.05

Antero Resources  
Well No. **Sisterville Unit 2H**  
As-Drilled  
Antero Resources Corporation



Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

Note: 0 water wells or springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

*Bradley D. Miller*  
Bradley D. Miller, P.S. 2167



Leases	
A	Chris Folger
B	John W. Starkey, et ux
C	Richard A. Mercer

Legend	
	Proposed gas well
	Found corner, as noted
	Existing Well, as noted
	Digitized Well
	Creek or Drain
	Existing Road
	Surface boundary (approx.)
	Interior surface tracts (approx.)

**Notes:**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Sisterville Unit 2H Top Hole coordinates are  
N: 370,241.68' Latitude: 39°30'30.19"  
E: 1,612,200.01' Longitude: 80°52'28.15"  
Bottom Hole coordinates are  
N: 382,124.98' Latitude: 39°32'27.44"  
E: 1,610,962.24' Longitude: 80°52'46.26"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,373,211.358m N: 4,376,825.381m  
E: 510,805.096m E: 510,367.678m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

FILE NO: 07-54-E-19  
DRAWING NO: Sisterville 2H As-Drilled Plat  
SCALE: 1" = 1500'  
MINIMUM DEGREE OF ACCURACY:  
Submeter  
PROVEN SOURCE OF ELEVATION:  
WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS DIVISION

DATE: July 28 2020  
OPERATOR'S WELL NO. Sisterville Unit 2H  
API WELL NO  
47 - 095 - 02619  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: As-Built 1,064' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City/Porter Falls  
DISTRICT: Ellsworth COUNTY: Tyler  
SURFACE OWNER: John D. Mendenhall & Jeffrey A. Davis Paul A. Marks, et ux; Patricia Ann Heintzman (2); Bob Christen; 154.17; 52; 40.33; 49; 47; 131.94;  
ROYALTY OWNER: Dianne T. Carpenter; Herbert Stephenson Boreman Jr.; Michael A. Eddy; Michael E. Neff LEASE NO: ACREAGE: 76.25; 48.5; 42.24  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,857' MD 6,454' TVD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313