

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

API 47 - 095 - 02413 County Tyler District Centerville
Quad Shirley 7.5' Pad Name Dawson Pad Field/Pool Name -----
Farm name Gary D. Dawson et ux Well Number Pierson Unit 1H
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 4359053m Easting 510869m
Landing Point of Curve Northing 4358622.26m Easting 510193.88m
Bottom Hole Northing 4361454m Easting 509181m

Elevation (ft) 1009' 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

Date permit issued 5/8/2017 Date drilling commenced 6/30/2017 Date drilling ceased 12/14/2017
Date completion activities began 3/13/2018 Date completion activities ceased 9/5/2018
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 N/A Open mine(s) (Y/N) depths No
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths No
Coal depth(s) ft None Identified Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

API 47-095 - 02413 Farm name Gary D. Dawson et ux Well number Pierson Unit 1H

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"	583'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2657'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	17708'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7534'		4.7#, N-80		
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	204 sx	15.6	1.18	120	0'	8 Hrs.
Surface	Class A	475 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	885 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	790 sx (Lead) 1510 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.45 (Lead), 1.94 (Tail)		-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 17728' MD, 6438' TVD (BHL), 6471' (Deepest Point Drilled) Loggers TD (ft) 17728' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6088'

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

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 - 02413 Farm name Gary D. Dawson et ux Well number Pierson Unit 1H

PRODUCING FORMATION(S)	DEPTHS		
	6441' (TOP)	TVD	7573' (TOP) MD
Marcellus			

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2800 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 12243 mcfpd Oil 124 bpd NGL --- bpd Water 480 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

Drilling Contractor Patterson - UTI Drilling Company LLC
Address 207 Carlton Drive City Eighty Four State PA Zip 15330

Logging Company Allied Horizontal Wireline Services
Address 381 Colonial Manor Road City North Huntington State PA Zip 15642

Cementing Company BJ Services
Address 1036 East Main Street City Bridgeport State WV Zip 26330

Stimulating Company Baker Hughes
Address 837 Philippi Pike City Clarksburg State WV Zip 26301

Please insert additional pages as applicable.

Completed by Megan Griffith Telephone 303-357-7223
Signature  Title Permitting Agent Date 10/4/2018

API 47-095-02413 Farm Name Gary D. Dawson Well Number Pierson Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/23/2018	17111	17607	60	Marcellus
2	4/23/2018	16913	17080	60	Marcellus
3	4/24/2018	16714	16882	60	Marcellus
4	4/24/2018	16516	16683	60	Marcellus
5	4/24/2018	16318	16485	60	Marcellus
6	4/25/2018	16120	16287	60	Marcellus
7	4/26/2017	15921	16088	60	Marcellus
8	4/26/2018	15723	15890	60	Marcellus
9	4/26/2018	15525	15692	60	Marcellus
10	4/27/2018	15326	15494	60	Marcellus
11	4/27/2018	15128	15295	60	Marcellus
12	4/28/2018	14930	15097	60	Marcellus
13	4/28/2018	14731	14899	60	Marcellus
14	4/29/2018	14533	14700	60	Marcellus
15	4/29/2018	14335	14502	60	Marcellus
16	4/29/2018	14137	14304	60	Marcellus
17	4/30/2018	13938	14105	60	Marcellus
18	4/30/2018	13740	13907	60	Marcellus
19	5/1/2018	13542	13709	60	Marcellus
20	5/1/2018	13343	13511	60	Marcellus
21	5/1/2018	13145	13312	60	Marcellus
22	5/2/2018	12947	13114	60	Marcellus
23	5/3/2018	12748	12916	60	Marcellus
24	5/3/2018	12550	12717	60	Marcellus
25	5/4/2018	12352	12519	60	Marcellus
26	5/4/2018	12154	12321	60	Marcellus
27	5/12/2018	11955	12122	60	Marcellus
28	5/12/2018	11757	11924	60	Marcellus
29	5/12/2018	11559	11726	60	Marcellus
30	5/13/2018	11360	11528	60	Marcellus
31	5/13/2018	11162	11329	60	Marcellus
32	5/13/2018	10964	11131	60	Marcellus
33	5/13/2018	10765	10933	60	Marcellus
34	5/13/2018	10567	10734	60	Marcellus
35	5/14/2018	10369	10536	60	Marcellus
36	5/14/2018	10171	10338	60	Marcellus
37	5/14/2018	9972	10139	60	Marcellus
38	5/14/2018	9774	9941	60	Marcellus
39	5/15/2018	9576	9743	60	Marcellus
40	5/15/2018	9377	9545	60	Marcellus
41	5/15/2018	9179	9346	60	Marcellus
42	5/15/2018	8981	9148	60	Marcellus
43	5/16/2018	8782	8950	60	Marcellus
44	5/16/2018	8584	8751	60	Marcellus
45	5/16/2018	8386	8553	60	Marcellus
46	5/16/2018	8188	8355	60	Marcellus
47	5/16/2018	7989	8156	60	Marcellus
48	5/17/2018	7791	7958	60	Marcellus
49	5/17/2018	7593	7760	60	Marcellus

API 47-095-02413 Farm Name Gary D. Dawson Well Number Pierson Unit 1H

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 (bbls)	Amount of Nitrogen/ other (units)
1	4/23/2018	69.5	7475	6594	3476	17545	5562	N/A
2	4/23/2018	66.5	7089	5395	3707	16191	9748	N/A
3	4/24/2018	76	7552	5698	3790	17040	8707	N/A
4	4/24/2018	65.1	7537	5640	4389	17566	12892	N/A
5	4/24/2018	73.7	7329	5905	4112	17346	8551	N/A
6	4/25/2018	78.5	7950	5936	4273	18159	9126	N/A
7	4/26/2017	80	7695	5558	3786	17039	9334	N/A
8	4/26/2018	79.7	7595	5673	4056	17324	8652	N/A
9	4/26/2018	79.3	7605	6088	4007	17700	8415	N/A
10	4/27/2018	78.5	7476	6134	3888	17498	8428	N/A
11	4/27/2018	80	7632	5523	4011	17166	8872	N/A
12	4/28/2018	80	7502	5656	4163	17321	8563	N/A
13	4/28/2018	79.9	7586	5703	4110	17399	8403	N/A
14	4/29/2018	80.5	7835	5963	3994	17792	8481	N/A
15	4/29/2018	78.3	7471	5842	5069	18382	8496	N/A
16	4/29/2018	80.7	7688	5687	4856	18231	8504	N/A
17	4/30/2018	79.9	7482	5980	4155	17617	8345	N/A
18	4/30/2018	73	7541	6046	3348	16935	8814	N/A
19	5/1/2018	81	7769	6053	4000	17822	8828	N/A
20	5/1/2018	78.7	7123	6066	4835	18024	8572	N/A
21	5/1/2018	79.9	7804	5757	4243	17804	9864	N/A
22	5/2/2018	81	7621	6378	3712	17711	8510	N/A
23	5/3/2018	78.7	7165	6166	4187	17518	8378	N/A
24	5/3/2018	78.9	7526	6284	4177	17987	8509	N/A
25	5/4/2018	78.7	7072	6412	3698	17182	8710	N/A
26	5/4/2018	76.6	6898	5852	3610	16360	8431	N/A
27	5/12/2018	76.4	7094	5764	4291	17149	8614	N/A
28	5/12/2018	70.8	6778	6077	3911	16766	8443	N/A
29	5/12/2018	74.4	6758	5642	3048	15448	8376	N/A
30	5/13/2018	71.8	7203	6774	3893	17870	11412	N/A
31	5/13/2018	74.9	6921	6328	4032	17281	8501	N/A
32	5/13/2018	74.5	6785	6477	4270	17532	8729	N/A
33	5/13/2018	76.1	6753	6357	3950	17060	8670	N/A
34	5/13/2018	79.8	7108	6774	4098	17980	9291	N/A
35	5/14/2018	75.1	6724	7830	3684	18238	8429	N/A
36	5/14/2018	74.8	6771	6888	3831	17490	8359	N/A
37	5/14/2018	75.3	6784	6646	4049	17479	8222	N/A
38	5/14/2018	67.5	7304	7167	3736	18207	10512	N/A
39	5/15/2018	75	6882	6278	4215	17375	9499	N/A
40	5/15/2018	75.5	6736	6099	4191	17026	8492	N/A
41	5/15/2018	74.7	6779	6950	4215	17944	9768	N/A
42	5/15/2018	78.9	6657	5993	5027	17677	9264	N/A
43	5/16/2018	73.3	6297	5328	4260	15885	8431	N/A
44	5/16/2018	75.4	6342	5463	3915	15720	8318	N/A
45	5/16/2018	74.8	6377	5535	3828	15740	8314	N/A
46	5/16/2018	69.7	6812	5886	3834	16532	10969	N/A
47	5/16/2018	77.8	6487	5976	4022	16485	8287	N/A
48	5/17/2018	77.1	6445	5558	4376	16379	8146	N/A
49	5/17/2018	74.6	6373	5980	3890	16243	8394	N/A
	AVG=	76.1	7,147	6,077	4,045	846,165	433,135	TOTAL

EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Fresh Water	227'	N/A	227'	N/A
Sandstone	0	N/A	0	N/A
Silty Sandstone	300	N/A	300	N/A
Sandy Silstone	440	N/A	440	N/A
Sandstone	600	N/A	600	N/A
Sandy Marlstone	700	N/A	700	N/A
Calcareous Sandstone	880	N/A	880	N/A
Silty Marlstone	1,070	N/A	1,070	N/A
Sandstone w/interbedded coa	1,280	N/A	1,280	N/A
Sandstone w/trace coal	1,440	N/A	1,440	N/A
Calcareous Shale	1,590	N/A	1,590	N/A
Coal/Shale	1,650	N/A	1,650	N/A
Calcareous Shale	1,670	N/A	1,670	N/A
Calcareous Sandstone	1,840	N/A	1,840	N/A
Big Lime	1,910	N/A	1,946	N/A
Big Injun	2,031	N/A	2,077	N/A
Gantz Sand	2,588	N/A	2,666	N/A
Fifty Foot Sandstone	2,674	N/A	2,756	N/A
Gordon	2,781	N/A	2,871	N/A
Fifth Sandstone	3,008	N/A	3,118	N/A
Bayard	3,169	N/A	3,299	N/A
Warren	3,465	N/A	3,658	N/A
Speechley	3,842	N/A	4,134	N/A
Balltown	4,212	N/A	4,599	N/A
Bradford	4,567	N/A	5,041	N/A
Benson	4,783	N/A	5,308	N/A
Alexander	5,165	N/A	5,790	N/A
Rhinestreet	5,764	N/A	6,531	N/A
Sycamore	6,105	N/A	6,934	N/A
Middlesex	6,264	N/A	7,152	N/A
Burkett	6,377	N/A	7,377	N/A
Tully	6,412	N/A	7,471	N/A
Marcellus	6,441	N/A	7,573	N/A

*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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/23/2018
Job End Date:	5/17/2018
State:	West Virginia
County:	Tyler
API Number:	47-095-02413-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Pierson Unit 1H
Latitude:	39.38080800
Longitude:	-80.87397200
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,440
Total Base Water Volume (gal):	18,803,994
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	70.00000	88.38790	
SANIFRAC 8844	CWS	Biocide					
			Listed Below				

					Listed Below			
Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.								
					Crystalline silica (Quartz)	14808-60-7	100.00000	11.24285
					Calcite	471-34-1	1.00000	0.08392
					Hydrochloric acid	7647-01-0	37.00000	0.05233
					Guar gum	9000-30-0	60.00000	0.03588
					Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.03588
					Polymer	26100-47-0	45.00000	0.03037
					Illite	12173-60-3	1.00000	0.02848
					Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.02025
					Goethite	1310-14-1	0.10000	0.01124
					Apatite	64476-38-6	0.10000	0.01124
					Biotite	1302-27-8	0.10000	0.01124
					Ammonium Persulfate	64742-47-8	100.00000	0.00940
					Ammonium chloride	12125-02-9	11.00000	0.00742
					Polyethylene glycol mixture	25322-68-3	54.50000	0.00629
					2-Propenoic acid, homopolymer, sodium salt	9003-04-7	40.00000	0.00620
					Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00299
					Ilmenite	98072-94-7	0.10000	0.00285
					Sorbitan monooleate	1338-43-8	4.00000	0.00270
					2,2-Dibromo-3-Nitripropionamide	10222-01-2	20.00000	0.00231
					Polyethylene glycol monooleate	9004-96-0	3.00000	0.00202
					1,2-Propanediol	57-55-6	10.00000	0.00155
					Sorbitol tetraoleate	61723-83-9	2.00000	0.00135

				37251-67-5	1.50000	0.00090	
			Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether				
			Amines, tallow alkyl, ethoxylated	61791-26-2	1.00000	0.00067	
			Citric acid	77-92-9	60.00000	0.00047	
			Sodium bromide	7647-15-6	4.00000	0.00046	
			Dibromoacetonitrile	3252-43-5	3.00000	0.00035	
			Alkoxypolyethyleneoxy ethanol	84133-50-6	0.50000	0.00034	
			Acrylamide	79-06-1	0.10000	0.00007	
			Ethylene glycol	107-21-1	40.00000	0.00003	
			Diethylene glycol (mono) methyl ether	34590-94-8	20.00000	0.00001	
			Isopropanol	67-63-0	5.00000	0.00001	
			Ethoxylated alcohols	Proprietary	10.00000	0.00001	Proprietary CAS
			Diethylene glycol	111-46-6	1.00000	0.00001	
			Cinnamaldehyde	104-55-2	10.00000	0.00001	
			Formic Acid	64-18-6	10.00000	0.00001	

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided. Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

LATITUDE 39°25'00"

11,488'

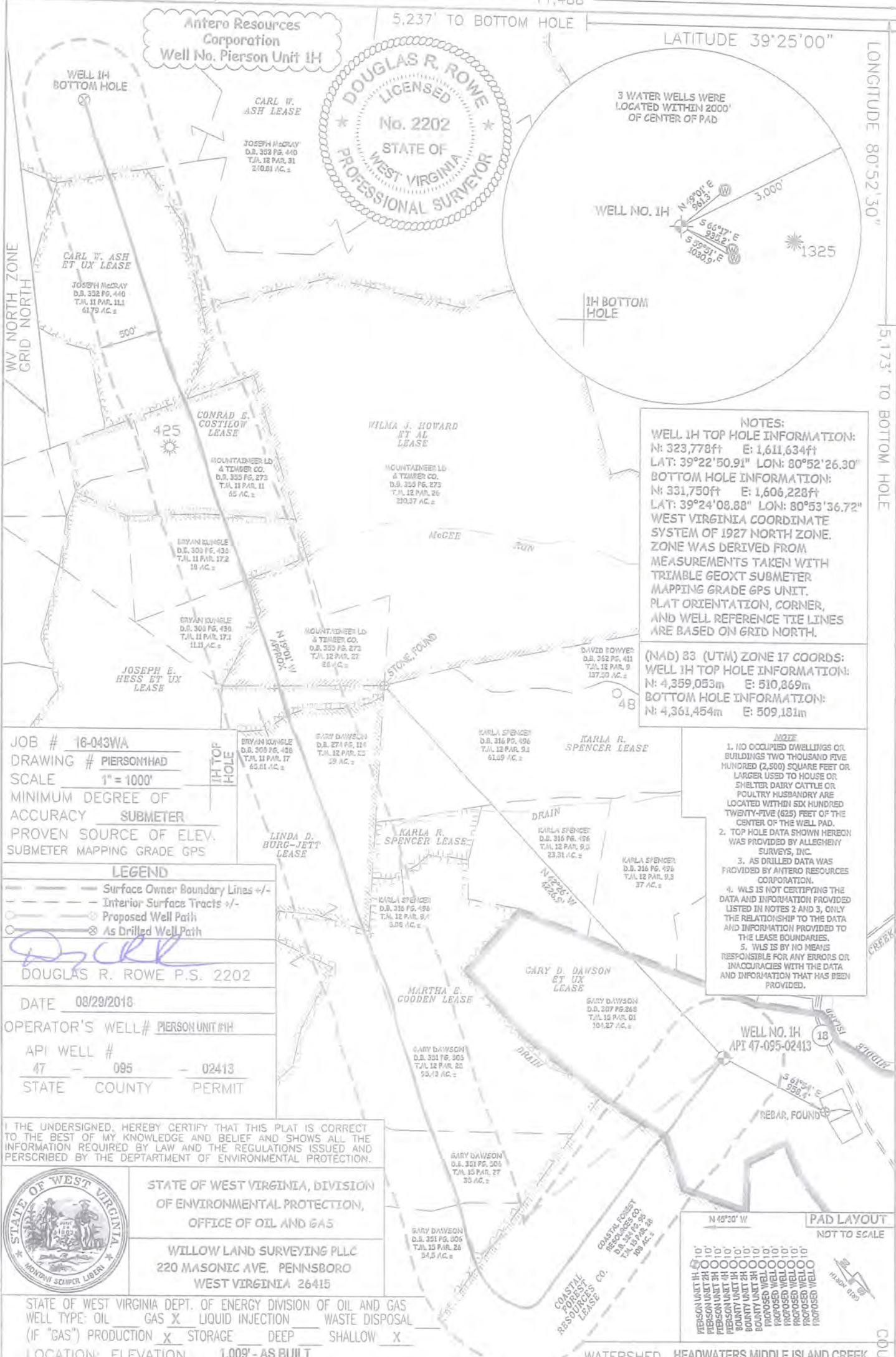
5,237' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°52'30"

13,060'

LONGITUDE 80°50'00"



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 323,778ft E: 1,611,634ft
 LAT: 39°22'50.91" LON: 80°52'26.30"
 BOTTOM HOLE INFORMATION:
 N: 331,750ft E: 1,606,228ft
 LAT: 39°24'08.88" LON: 80°53'36.72"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,359,053m E: 510,869m
 BOTTOM HOLE INFORMATION:
 N: 4,361,454m E: 509,181m

- NOTE**
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

JOB # 16-043WA
 DRAWING # PIERSON1HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 - - - Proposed Well Path
 - - - As Drilled Well Path

DOUGLAS R. ROWE P.S. 2202
 DATE 08/29/2018
 OPERATOR'S WELL # PIERSON UNIT 1H
 API WELL # 47 - 095 - 02413
 STATE COUNTY PERMIT

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 REGULATIONS ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1,009' - AS BUILT
 QUADRANGLE SHIRLEY 7.5' (TH) MIDDLEBOURNE 7.5' (BH)

SURFACE OWNER GARY D. DAWSON ET UX
 OIL & GAS ROYALTY OWNER GARY D. DAWSON ET UX; COASTAL FOREST RESOURCES CO.; MARTHA E. GOODEN; LINDA D. BURG-JETT; JOSEPH E. HESS ET UX; WILMA J. HOWARD ET AL; CONRAD E. COSTILOW; CARL W. ASH ET UX; CARL W. ASH
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,438' TVD 17,728' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313

WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 DISTRICT CENTERVILLE COUNTY TYLER
 ACREAGE 104.27 ACRES +/-
 LEASE ACREAGE 104.27 AC±; 108 AC±; 184.95 AC±; 178 AC±; 94.92 AC±; 239 AC±; 64.48 AC±; 61.26 AC±; 362.8 AC±

COUNTY NAME PERMIT

