

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

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Office of Oil and Gas

OCT 23 2019

WV Department of
Environmental Protection

API 47-085-10360 County Ritchie District Clay
Quad Middlebourne 7.5' Pad Name Lettie Pad Field/Pool Name ----
Farm name Daniel M. Haymond IV et al Well Number Master 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 4357278m Easting 507719m
Landing Point of Curve Northing 4357286.48m Easting 507451.18m
Bottom Hole Northing 4360321m Easting 506367m

Elevation (ft) 970' 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 10/24/2018 Date drilling commenced 7/5/2018 Date drilling ceased 12/7/2018
Date completion activities began 5/27/2019 Date completion activities ceased 6/30/2019
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 85, 156, 408 Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1158, 1760, 1840 Void(s) encountered (Y/N) depths No
Coal depth(s) ft 320, 348, 390, 500 Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:



API 47- 085 - 10360 Farm name Daniel M. Haymond IV et al Well number Master 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"	95'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	512'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2587'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	17423'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6574'		4.7#, N-80		
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Shurry 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	430 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	890 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	665 sx (Lead) 1635 sx (Tail)	14.0 (Lead), 15.2 (Tail)	1.47 (Lead), 1.83 (Tail)		~500' into intermediate casing	8 Hrs.
Tubing							

Drillers TD (ft) 17443' MD, 6343' TVD (BHL), 6349' (Deepest Point Drilled) Loggers TD (ft) 17443' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6032'

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

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API 47- 085 - 10360 Farm name Daniel M. Haymond IV et al Well number Master Unit 1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
*PLEASE SEE ATTACHED EXHIBIT 1					

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
*PLEASE SEE ATTACHED EXHIBIT 2								

Please insert additional pages as applicable.

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EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	5/27/2019	17314.1		60	Marcellus
2	5/27/2019	17182.335	17019.01	60	Marcellus
3	5/28/2019	16983.945	16820.62	60	Marcellus
4	5/28/2019	16785.555	16622.23	60	Marcellus
5	5/28/2019	16587.165	16423.84	60	Marcellus
6	5/29/2019	16388.775	16225.45	60	Marcellus
7	5/29/2019	16190.385	16027.06	60	Marcellus
8	5/29/2019	15991.995	15828.67	60	Marcellus
9	5/29/2019	15793.605	15630.28	60	Marcellus
10	5/30/2019	15595.215	15431.89	60	Marcellus
11	5/30/2019	15396.825	15233.5	60	Marcellus
12	5/30/2019	15198.435	15035.11	60	Marcellus
13	5/31/2019	15000.045	14836.72	60	Marcellus
14	5/31/2019	14801.655	14638.33	60	Marcellus
15	6/1/2019	14603.265	14439.94	60	Marcellus
16	6/1/2019	14404.875	14241.55	60	Marcellus
17	6/1/2019	14206.485	14043.16	60	Marcellus
18	6/2/2019	14008.095	13844.77	60	Marcellus
19	6/2/2019	13809.705	13646.38	60	Marcellus
20	6/3/2019	13611.315	13447.99	60	Marcellus
21	6/3/2019	13412.925	13249.6	60	Marcellus
22	6/3/2019	13214.535	13051.21	60	Marcellus
23	6/4/2019	13016.145	12852.82	60	Marcellus
24	6/4/2019	12817.755	12654.43	60	Marcellus
25	6/4/2019	12619.365	12456.04	60	Marcellus
26	6/4/2019	12420.975	12257.65	60	Marcellus
27	6/5/2019	12222.585	12059.26	60	Marcellus
28	6/5/2019	12024.195	11860.87	60	Marcellus
29	6/5/2019	11825.805	11662.48	60	Marcellus
30	6/5/2019	11627.415	11464.09	60	Marcellus
31	6/6/2019	11429.025	11265.7	60	Marcellus
32	6/6/2019	11230.635	11067.31	60	Marcellus
33	6/6/2019	11032.245	10868.92	60	Marcellus
34	6/7/2019	10833.855	10670.53	60	Marcellus
35	6/7/2019	10635.465	10472.14	60	Marcellus
36	6/7/2019	10437.075	10273.75	60	Marcellus
37	6/8/2019	10238.685	10075.36	60	Marcellus
38	6/8/2019	10040.295	9876.97	60	Marcellus
39	6/8/2019	9841.905	9678.58	60	Marcellus
40	6/8/2019	9643.515	9480.19	60	Marcellus
41	6/9/2019	9445.125	9281.8	60	Marcellus
42	6/9/2019	9246.735	9083.41	60	Marcellus
43	6/9/2019	9048.345	8885.02	60	Marcellus
44	6/9/2019	8849.955	8686.63	60	Marcellus
45	6/10/2019	8651.565	8488.24	60	Marcellus
46	6/10/2019	8453.175	8289.85	60	Marcellus
47	6/10/2019	8254.785	8091.46	60	Marcellus
48	6/11/2019	8056.395	7893.07	60	Marcellus
49	6/11/2019	7858.005	7694.68	60	Marcellus
50	6/11/2019	7659.615	7496.29	60	Marcellus
51	6/12/2019	7461.225	7297.9	60	Marcellus
52	6/12/2019	7262.835	7099.51	60	Marcellus
53	6/12/2019	7064.445	6901.12	60	Marcellus
54	6/12/2019	6866.055	6702.73	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 (bbls)	Amount of Nitrogen/ other (units)
1	5/27/2019	74	8113	6799	4056	266510	7257	N/A
2	5/27/2019	78.66	8323	5827	4018	405140	8967	N/A
3	5/28/2019	77.53	8351	4362	3962	408140	9077	N/A
4	5/28/2019	73.8	8238	6085	3700	401660	8667	N/A
5	5/28/2019	74.9	8059	5529	3955	402420	8753	N/A
6	5/29/2019	77.54	8306	5891	3871	403080	8808	N/A
7	5/29/2019	74.87	8321	5575	3976	399400	8705	N/A
8	5/29/2019	73.12	8417	5775	4043	402840	8694	N/A
9	5/29/2019	74.31	8304	5624	4043	403460	8717	N/A
10	5/30/2019	74.84	8331	5814	4157	403960	8835	N/A
11	5/30/2019	73.81	8356	5600	4087	401500	8613	N/A
12	5/30/2019	74.25	8225	5759	4028	403200	8695	N/A
13	5/31/2019	79.28	8329	5905	4108	403400	8489	N/A
14	5/31/2019	79.99	8241	5959	4059	403180	8619	N/A
15	6/1/2019	76.13	8377	5843	4095	403360	8634	N/A
16	6/1/2019	75.99	8317	6032	4052	403620	8676	N/A
17	6/1/2019	77.61	8289	4674	4164	403380	8659	N/A
18	6/2/2019	77.39	8208	6052	4184	402760	8610	N/A
19	6/2/2019	77.58	8366	6273	4129	402820	8540	N/A
20	6/3/2019	78.98	8179	6016	4041	402220	8696	N/A
21	6/3/2019	77.81	8144	6135	3987	402700	8557	N/A
22	6/3/2019	78.1	7988	6170	3928	402900	8572	N/A
23	6/4/2019	75.91	7915	6254	3855	402780	8556	N/A
24	6/4/2019	78.32	8317	6187	3820	403580	8470	N/A
25	6/4/2019	77.59	8175	6186	3924	403280	8534	N/A
26	6/4/2019	79.72	8257	5701	4034	403120	8411	N/A
27	6/5/2019	79.56	8204	5883	3852	403260	8439	N/A
28	6/5/2019	75.86	8011	5975	3955	403620	8653	N/A
29	6/5/2019	79.01	7892	5565	4046	403080	8490	N/A
30	6/5/2019	76.82	7936	6357	3927	402920	8490	N/A
31	6/6/2019	78.11	7964	6009	4006	403200	8459	N/A
32	6/6/2019	77.36	8052	6237	3945	402920	8530	N/A
33	6/6/2019	78.98	7924	5610	3952	407240	8513	N/A
34	6/7/2019	70.42	8140	6109	3726	407000	8554	N/A
35	6/7/2019	78.66	7836	6229	3881	404160	8488	N/A
36	6/7/2019	77.7	7666	6073	3975	397520	8447	N/A
37	6/8/2019	78.44	7748	6611	3939	402920	8391	N/A
38	6/8/2019	75.19	7972	6870	3845	402880	8328	N/A
39	6/8/2019	75.74	7752	6195	3963		8576	N/A
40	6/8/2019	77.98	7523	5966	3842	402960	8518	N/A
41	6/9/2019	77.81	7494	5864	3970	403480	8421	N/A
42	6/9/2019	78.92	7533	6423	3899	403060	8377	N/A
43	6/9/2019	78.38	7501	6170	3873	403140	8423	N/A
44	6/9/2019	78.25	7252	6643	3746	402720	8242	N/A
45	6/10/2019	69.65	7829	5938	3888	403140	9665	N/A
46	6/10/2019	76.61	7166	5975	3952	403640	8471	N/A
47	6/10/2019	78.9	7209	6039	3756	403900	8367	N/A
48	6/11/2019	67.3	7865	5613	3937	402860	9405	N/A
49	6/11/2019	77.74	7623	5928	4024	403040	8481	N/A
50	6/11/2019	79.21	7159	5801	3917	403140	8369	N/A
51	6/12/2019	78.5	6886	5820	3750	403000	8356	N/A
52	6/12/2019	78.4	7230	5680	3914	403200	8294	N/A
53	6/12/2019	78.78	7044	5420	4081	402760	8375	N/A
54	6/12/2019	79.05	6759	5786	4065	403240	8477	N/A
AVG		76.8	8,152	5,936	3,982	15,185,130	325,593	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
Silty Sandstone	75	215	75	215
Silty Shale	215	255	215	255
shaly sand	255	395	255	395
Shale	395	455	395	455
Dolomitic Shale	455	735	455	735
Shaly Siltstone	735	855	735	855
Silty Sandstone	855	895	855	895
Shaly Sand	895	1,015	895	1,015
Sandstone	1,015	1,055	1,015	1,055
Silty, Shaly, Sandstone	1,055	1,095	1,055	1,095
Sandstone, Tr Shale, Tr Coal	1,095	1,495	1,095	1,495
Silty Sandstone	1,495	1,675	1,495	1,675
Shaly Siltstone	1,675	1,834	1,675	1,836
Big Lime	1,859	2,629	1,861	2,630
Fifty Foot Sandstone	2,629	2,716	2,630	2,718
Gordon	2,716	3,018	2,718	3,020
Fifth Sandstone	3,018	3,079	3,020	3,082
Bayard	3,079	3,815	3,082	3,836
Speechley	3,815	4,122	3,836	4,151
Balltown	4,122	4,514	4,151	4,554
Bradford	4,514	4,750	4,554	5,033
Benson	4,722	5,136	5,033	5,450
Alexander	5,136	6,162	5,450	6,311
Sycamore	6,032	6,137	6,144	6,286
Middlesex	6,137	6,236	6,286	6,462
Burkett	6,236	6,272	6,462	6,558
Tully	6,272	6,296	6,558	6,656
Marcellus	6,296	NA	6,656	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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Hydraulic Fracturing Fluid Product Component Information Disclosure



Job Start Date:	5/27/2019
Job End Date:	6/12/2019
State:	West Virginia
County:	Ritchie
API Number:	47-085-10360-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Master 1H
Latitude:	39.36480000
Longitude:	-80.91060000
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,355
Total Base Water Volume (gal):	20,032,852
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
Fresh Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	88.31684	Density = 8.34
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.21740	

HYDROCHLORIC ACID	Halliburton	Solvent													
					Listed Below										
FDP-S1296-17	Halliburton	Acid Corrosion Inhibitor													
					Listed Below										
MC B-8614	Halliburton	Biocide													
					Listed Below										
SP BREAKER	Halliburton	Breaker													
					Listed Below										
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant													
					Listed Below										
Excelerate PS-2	Halliburton	Friction Reducer													
					Listed Below										
SCALECHEK LP-70	Halliburton	Scale Inhibitor													
					Listed Below										
WG-36 GELLING AGENT	Halliburton	Gelling Agent													
					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	11.43671		

				Hydrochloric acid	7647-01-0	15.00000	0.02575
				Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01449
				Acrylamide acrylate polymer	Proprietary	30.00000	0.01449
				Inorganic salt	Proprietary	30.00000	0.01449
				Ethylene glycol	107-21-1	60.00000	0.00812
				Guar gum	9000-30-0	100.00000	0.00407
				Glutaraldehyde	111-30-8	30.00000	0.00260
				Telomer	Proprietary	10.00000	0.00135
				Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00043
				Methanol	67-56-1	100.00000	0.00021
				Sodium polyacrylate	9003-04-7	1.00000	0.00014
				Sodium persulfate	7775-27-1	100.00000	0.00013
				Ethanol	64-17-5	1.00000	0.00009
				Modified thiourea polymer	Proprietary	30.00000	0.00004
				Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00004
				Phosphoric acid	7664-38-2	0.10000	0.00001
				Ethoxylated alcohols	Proprietary	5.00000	0.00001
				Hexadecene	629-73-2	5.00000	0.00001
				Propargyl alcohol	107-19-7	5.00000	0.00001
				Acrylic acid	79-10-7	0.01000	0.00000
				Sodium sulfate	7757-82-6	0.10000	0.00000

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* 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°22'30"

10,055'

LATITUDE 39°25'00"

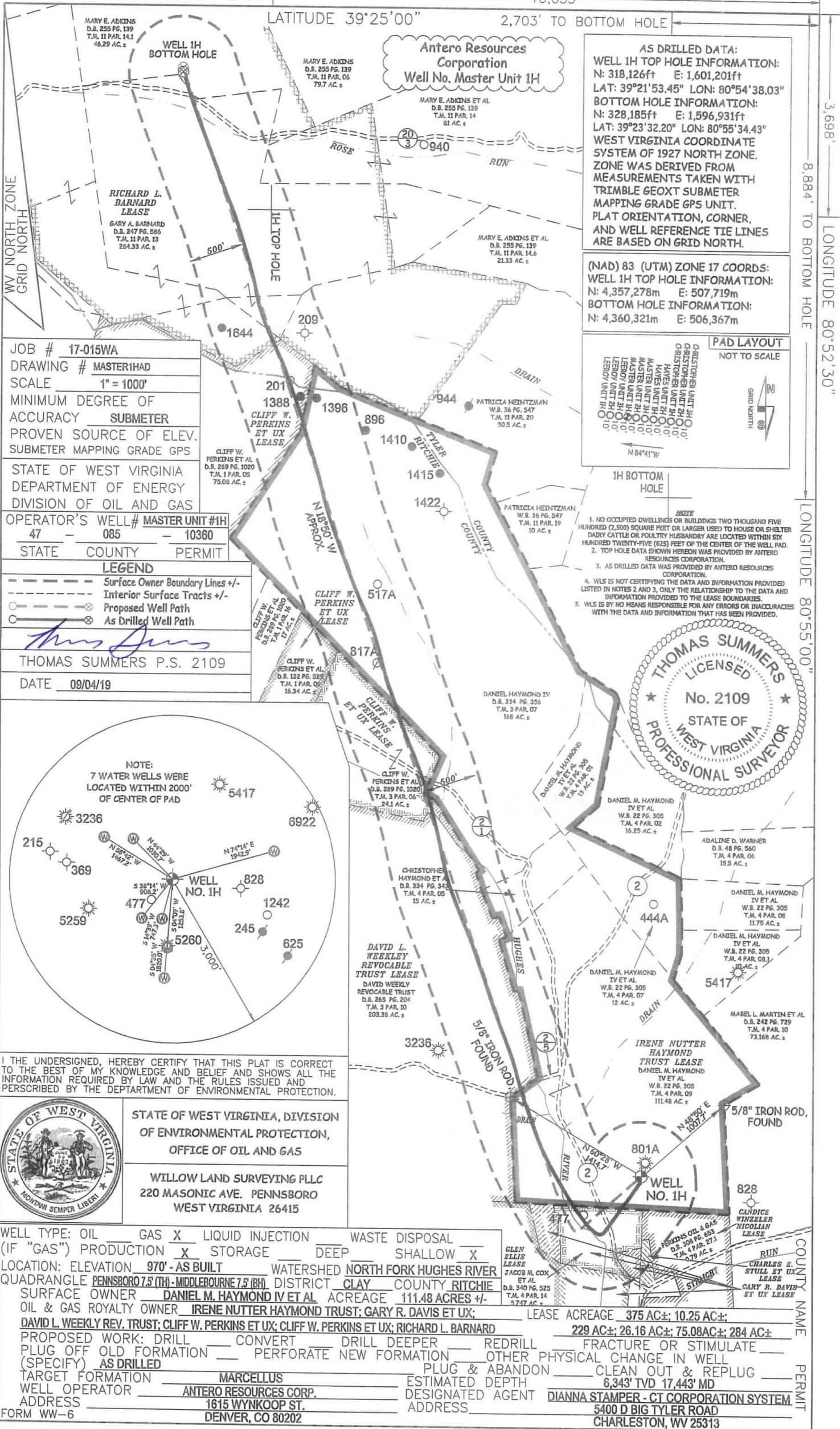
2,703' TO BOTTOM HOLE

3,698'

8,884' TO BOTTOM HOLE

LONGITUDE 80°52'30"

LONGITUDE 80°55'00"



AS DRILLED DATA:

WELL 1H TOP HOLE INFORMATION:
 N: 318,126ft E: 1,601,201ft
 LAT: 39°21'53.45" LON: 80°54'38.03"

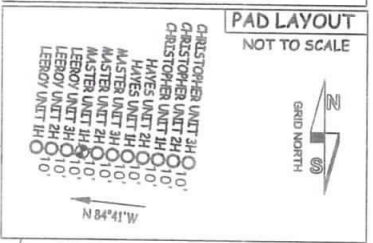
BOTTOM HOLE INFORMATION:
 N: 328,185ft E: 1,596,931ft
 LAT: 39°23'32.20" LON: 80°55'34.43"

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.

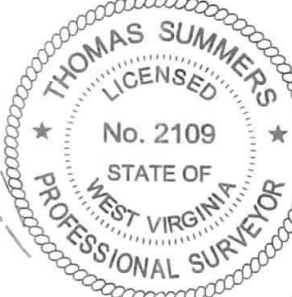
(NAD) 83 (UTM) ZONE 17 COORDS:

WELL 1H TOP HOLE INFORMATION:
 N: 4,357,278m E: 507,719m

BOTTOM HOLE INFORMATION:
 N: 4,360,321m E: 506,367m



- 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 ANTERO RESOURCES CORPORATION.
 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.

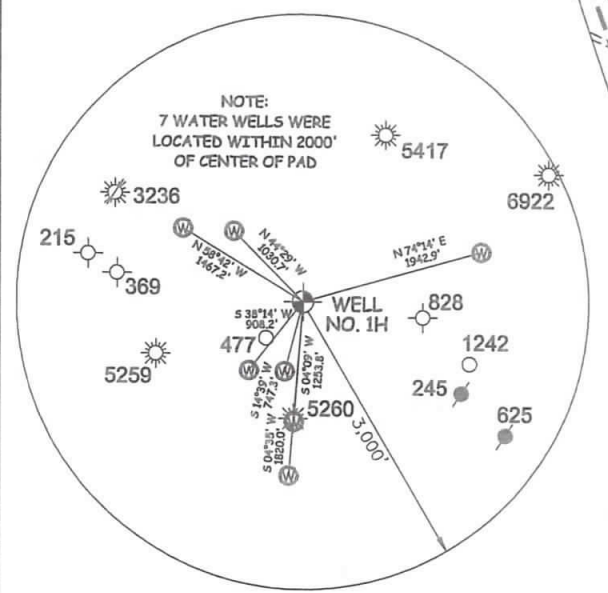


JOB # 17-015WA
 DRAWING # MASTER1HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
 OPERATOR'S WELL # MASTER UNIT #1H
 47 - 085 - 10360
 STATE COUNTY PERMIT

LEGEND

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

THOMAS SUMMERS P.S. 2109
 DATE 09/04/19



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 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

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 970' - AS BUILT WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5 (TH) - MIDDLEBOURNE 7.5 (BH) DISTRICT CLAY COUNTY RITCHIE

SURFACE OWNER DANIEL M. HAYMOND IV ET AL ACREAGE 111.48 ACRES +/-
 OIL & GAS ROYALTY OWNER IRENE NUTTER HAYMOND TRUST; GARY R. DAVIS ET UX; LEASE ACREAGE 375 AC±; 10.25 AC±; 229 AC±; 26.16 AC±; 75.08 AC±; 284 AC±

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 6,343' TVD 17,443' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
 DENVER, CO 80202 CHARLESTON, WV 25313