

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

API 47 - 095 - 02412 County Tyler District Centerville
Quad Shirley 7.5' Pad Name Dawson Pad Field/Pool Name -----
Farm name Gary D. Dawson et ux Well Number Bounty 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 4359043m Easting 510880m
Landing Point of Curve Northing 4359252.85m Easting 511024.31m
Bottom Hole Northing 4362475m Easting 509887m

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 7/1/2017 Date drilling ceased 1/17/2018
Date completion activities began 3/20/2018 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 - 02412 Farm name Gary D. Dawson et ux Well number Bounty 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"	80'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	586'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2570'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	15795'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6720'		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	480 sx	15.6	1.18	826	0'	8 Hrs.
Coal							
Intermediate 1	Class A	865 sx	15.6	1.18	1181	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	720 sx (Lead) 1700 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.45 (Lead), 1.94 (Tail)		-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 18171' MD, 6450' TVD (BHL), 6449' (Deepest Point Drilled) Loggers TD (ft) 18171' MD

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 5518'

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 47-095-02412 Farm name Gary D. Dawson et ux Well number Bounty Unit 2H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6476' (TOP)</u> TVD	<u>6754' (TOP)</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

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 12625 mcfpd Oil 126 bpd NGL --- bpd Water 486 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
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***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 Phillipi 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 47-095-02412 Farm Name Gary D. Dawson Well Number Bounty Unit 2H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/20/2018	17951	18049	60	Marcellus
2	3/20/2018	17752	17920	60	Marcellus
3	3/20/2018	17552	17720	60	Marcellus
4	3/21/2018	17353	17521	60	Marcellus
5	3/21/2018	17154	17322	60	Marcellus
6	3/21/2018	16955	17123	60	Marcellus
7	3/22/2018	16756	16924	60	Marcellus
8	3/22/2018	16557	16725	60	Marcellus
9	3/22/2018	16358	16526	60	Marcellus
10	3/22/2018	16159	16327	60	Marcellus
11	3/23/2018	15960	16128	60	Marcellus
12	3/23/2018	15760	15928	60	Marcellus
13	3/23/2018	15561	15729	60	Marcellus
14	3/24/2018	15362	15530	60	Marcellus
15	3/24/2018	15163	15331	60	Marcellus
16	3/24/2018	14964	15132	60	Marcellus
17	3/24/2018	14765	14933	60	Marcellus
18	3/25/2018	14566	14734	60	Marcellus
19	3/25/2018	14367	14535	60	Marcellus
20	3/25/2018	14168	14336	60	Marcellus
21	3/26/2018	13969	14136	60	Marcellus
22	3/26/2018	13769	13937	60	Marcellus
23	3/26/2018	13570	13738	60	Marcellus
24	3/26/2018	13371	13539	60	Marcellus
25	3/27/2018	13172	13340	60	Marcellus
26	3/27/2018	12973	13141	60	Marcellus
27	3/27/2018	12774	12942	60	Marcellus
28	3/28/2018	12575	12743	60	Marcellus
29	3/28/2018	12376	12544	60	Marcellus
30	3/28/2018	12177	12344	60	Marcellus
31	3/28/2018	11977	12145	60	Marcellus
32	3/29/2018	11778	11946	60	Marcellus
33	3/29/2018	11579	11747	60	Marcellus
34	3/29/2018	11380	11548	60	Marcellus
35	3/29/2018	11181	11349	60	Marcellus
36	3/30/2018	10982	11150	60	Marcellus
37	3/30/2018	10783	10951	60	Marcellus
38	3/30/2018	10584	10752	60	Marcellus
39	3/31/2018	10385	10552	60	Marcellus
40	3/31/2018	10185	10353	60	Marcellus
41	3/31/2018	9986	10154	60	Marcellus
42	4/1/2018	9787	9955	60	Marcellus
43	4/1/2018	9588	9756	60	Marcellus
44	4/1/2018	9389	9557	60	Marcellus
45	4/2/2018	9190	9358	60	Marcellus
46	4/2/2018	8991	9159	60	Marcellus
47	4/2/2018	8792	8960	60	Marcellus
48	4/2/2018	8593	8760	60	Marcellus
49	4/3/2018	8393	8561	60	Marcellus
50	4/3/2018	8194	8362	60	Marcellus
51	4/3/2018	7995	8163	60	Marcellus
52	4/4/2018	7796	7964	60	Marcellus
53	4/4/2018	7597	7765	60	Marcellus
54	4/4/2018	7398	7566	60	Marcellus
55	4/4/2018	7199	7367	60	Marcellus
56	4/5/2018	7000	7168	60	Marcellus
57	4/5/2018	6801	6968	60	Marcellus

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	3/20/2018	43.2	8019	5466	3996	17481	4568	N/A
2	3/20/2018	75.2	7556	5736	3369	16661	8251	N/A
3	3/20/2018	79.2	7671	5030	3639	16340	8494	N/A
4	3/21/2018	80.3	7898	5039	3772	16709	9024	N/A
5	3/21/2018	80.3	7898	5039	3772	16709	9024	N/A
6	3/21/2018	78.3	7579	5420	3828	16827	8258	N/A
7	3/22/2018	78.2	7419	5109	4110	16638	8275	N/A
8	3/22/2018	80	7632	5358	3340	16330	8509	N/A
9	3/22/2018	79.8	7426	6319	3373	17118	8265	N/A
10	3/22/2018	78.1	7274	4978	3005	15257	8245	N/A
11	3/23/2018	79.9	7344	4223	3887	15454	8050	N/A
12	3/23/2018	79.6	7535	5514	3561	16610	8090	N/A
13	3/23/2018	78.9	7536	6054	3566	17156	8160	N/A
14	3/24/2018	79.2	7403	6495	3217	17115	8291	N/A
15	3/24/2018	79.3	7355	5729	3683	16767	8137	N/A
16	3/24/2018	80	7478	4926	3665	16069	8184	N/A
17	3/24/2018	76.6	7669	5882	4326	17877	10165	N/A
18	3/25/2018	80.1	7654	5384	4067	17105	9118	N/A
19	3/25/2018	80.1	7561	5823	4666	18050	8278	N/A
20	3/25/2018	78.9	7221	5771	4817	17809	8132.005	N/A
21	3/26/2018	78.3	7164	5327	4552	17043	8059	N/A
22	3/26/2018	75	7951	5798	4208	17957	12882	N/A
23	3/26/2018	75.9	7074	5293	3880	16247	7983	N/A
24	3/26/2018	78.9	7176	5071	5005	17252	8136	N/A
25	3/27/2018	80.3	7314	5420	4654	17388	8260	N/A
26	3/27/2018	80.2	7420	5778	5074	18272	7973	N/A
27	3/27/2018	79.9	7332	5882	5005	18219	9918	N/A
28	3/28/2018	77.7	6947	5539	4169	16655	8222	N/A
29	3/28/2018	80.4	7268	6491	3721	17480	8038	N/A
30	3/28/2018	80.1	7050	5880	3352	16282	7898	N/A
31	3/28/2018	78.8	6973	5745	3580	16298	8150	N/A
32	3/29/2018	77	6928	6206	3679	16813	7741	N/A
33	3/29/2018	80.2	6929	5525	3757	16211	7856	N/A
34	3/29/2018	79.9	6793	4915	3532	15240	8337	N/A
35	3/29/2018	79.3	6907	6082	3602	16591	8164	N/A
36	3/30/2018	80.4	7040	5664	3580	16284	7947	N/A
37	3/30/2018	78	7350	5499	4088	16937	9432	N/A
38	3/30/2018	78.4	6626	5071	5303	17000	8043	N/A
39	3/31/2018	78.4	6576	5148	3805	15529	7944	N/A
40	3/31/2018	77.5	6850	5129	5604	17583	8418	N/A
41	3/31/2018	78.8	6664	5452	4279	16395	7894	N/A
42	4/1/2018	78.6	7093	5796	4556	17445	9351	N/A
43	4/1/2018	80	7199	5632	4815	17646	7949	N/A
44	4/1/2018	78.3	6704	7283	3583	17570	8556	N/A
45	4/2/2018	78.9	6823	5634	4705	17162	7857	N/A
46	4/2/2018	80.2	7204	5884	3400	16488	9585	N/A
47	4/2/2018	79.3	6730	6453	3955	17138	7983	N/A
48	4/2/2018	79.2	6862	5727	4344	16933	8089	N/A
49	4/3/2018	80.4	6779	5114	4143	16036	7888	N/A
50	4/3/2018	80.5	6766	5332	3737	15835	7757	N/A
51	4/3/2018	78.9	6660	5412	4033	16105	7654	N/A
52	4/4/2018	80.3	6602	5168	5495	17265	7883	N/A
53	4/4/2018	80.2	6707	6683	3836	17226	7743	
54	4/4/2018	77.9	6618	6552	3988	17158	7885	
55	4/4/2018	79.7	6351	5852	4627	16830	7707	
56	4/5/2018	80	6937	7090	5410	19437	10753	
57	4/5/2018	80.4	6364	6598	4370	17332	8582	N/A
		78.4	7,155	5,656	4,089	963,364	476,035	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 Siltstone	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 coal	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	1,912	N/A	1,914	N/A
Big Injun	2,050	N/A	2,052	N/A
Gantz Sand	2,587	N/A	2,589	N/A
Fifty Foot Sandstone	2,684	N/A	2,685	N/A
Gordon	2,809	N/A	2,811	N/A
Fifth Sandstone	2,959	N/A	2,962	N/A
Bayard	3,159	N/A	3,166	N/A
Warren	3,469	N/A	3,482	N/A
Speechley	3,832	N/A	3,853	N/A
Balltown	4,259	N/A	4,290	N/A
Bradford	4,521	N/A	4,560	N/A
Benson	4,777	N/A	4,821	N/A
Alexander	5,224	N/A	5,275	N/A
Rhinestreet	5,770	N/A	5,834	N/A
Sycamore	6,131	N/A	6,230	N/A
Middlesex	6,300	N/A	6,444	N/A
Burkett	6,410	N/A	6,615	N/A
Tully	6,446	N/A	6,691	N/A
Marcellus	6,476	N/A	6,779	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:	3/20/2018
Job End Date:	4/5/2018
State:	West Virginia
County:	Tyler
API Number:	47-095-02412-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Bounty Unit 2H
Latitude:	39.38071400
Longitude:	-80.87384400
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,439
Total Base Water Volume (gal):	20,758,252
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	88.16193	
CI-9100G	CWS	Corrosion Inhibitor					
				Listed Below			

Sand (Proppant)	CWS	Propping Agent							
						Listed Below			
DAP-902	CWS	Scale Inhibitor							
						Listed Below			
Calbreak 5501	CWS	Breaker							
						Listed Below			
DWP-111	CWS	Gel Slurry							
						Listed Below			
DAP-103	CWS	Iron Control							
						Listed Below			
DWP-641	CWS	Friction Reducer							
						Listed Below			
SANIFRAC 8844	CWS	Biocide							
						Listed Below			
Hydrochloric Acid	CWS	Clean Perforations							
						Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List							

					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	11.46959
					Calcite	471-34-1	1.00000	0.08227
					Hydrochloric acid	7647-01-0	37.00000	0.05657
					Guar gum	9000-30-0	60.00000	0.03302
					Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.03302
					Illite	12173-60-3	1.00000	0.03240
					Polymer	26100-47-0	45.00000	0.02836
					Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.01891
					Biotite	1302-27-8	0.10000	0.01147
					Goethite	1310-14-1	0.10000	0.01147
					Apatite	64476-38-6	0.10000	0.01147
					Ammonium Persulfate	64742-47-8	100.00000	0.00969
					Ammonium chloride	12125-02-9	11.00000	0.00693
					2-Propenoic acid, homopolymer, sodium salt	9003-04-7	40.00000	0.00619
					Polyethylene glycol mixture	25322-68-3	54.50000	0.00611
					Ilmenite	98072-94-7	0.10000	0.00324
					Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00275
					Sorbitan monooleate	1338-43-8	4.00000	0.00252
					2,2-Dibromo-3-Nitriopropanamide	10222-01-2	20.00000	0.00224
					Vinylidene chloride-methyl acrylate copolymer	69418-26-4	20.00000	0.00194
					Polyethylene glycol monooleate	9004-96-0	3.00000	0.00189

LATITUDE 39°25'00"

11,452'

2,918' TO BOTTOM HOLE

LATITUDE 39°25'00"

Antero Resources Corporation Well No. Bounty Unit 2H

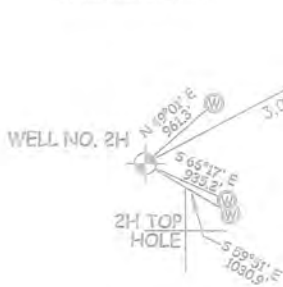
NOTES: WELL 2H TOP HOLE INFORMATION: N: 323,743ft E: 1,611,669ft LAT: 39°22'50.57" LON: 80°52'25.84" BOTTOM HOLE INFORMATION: N: 335,061ft E: 1,608,598ft LAT: 39°24'41.95" LON: 80°53'07.18" WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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 2H TOP HOLE INFORMATION: N: 4,359,043m E: 510,880m BOTTOM HOLE INFORMATION: N: 4,362,475m E: 509,887m

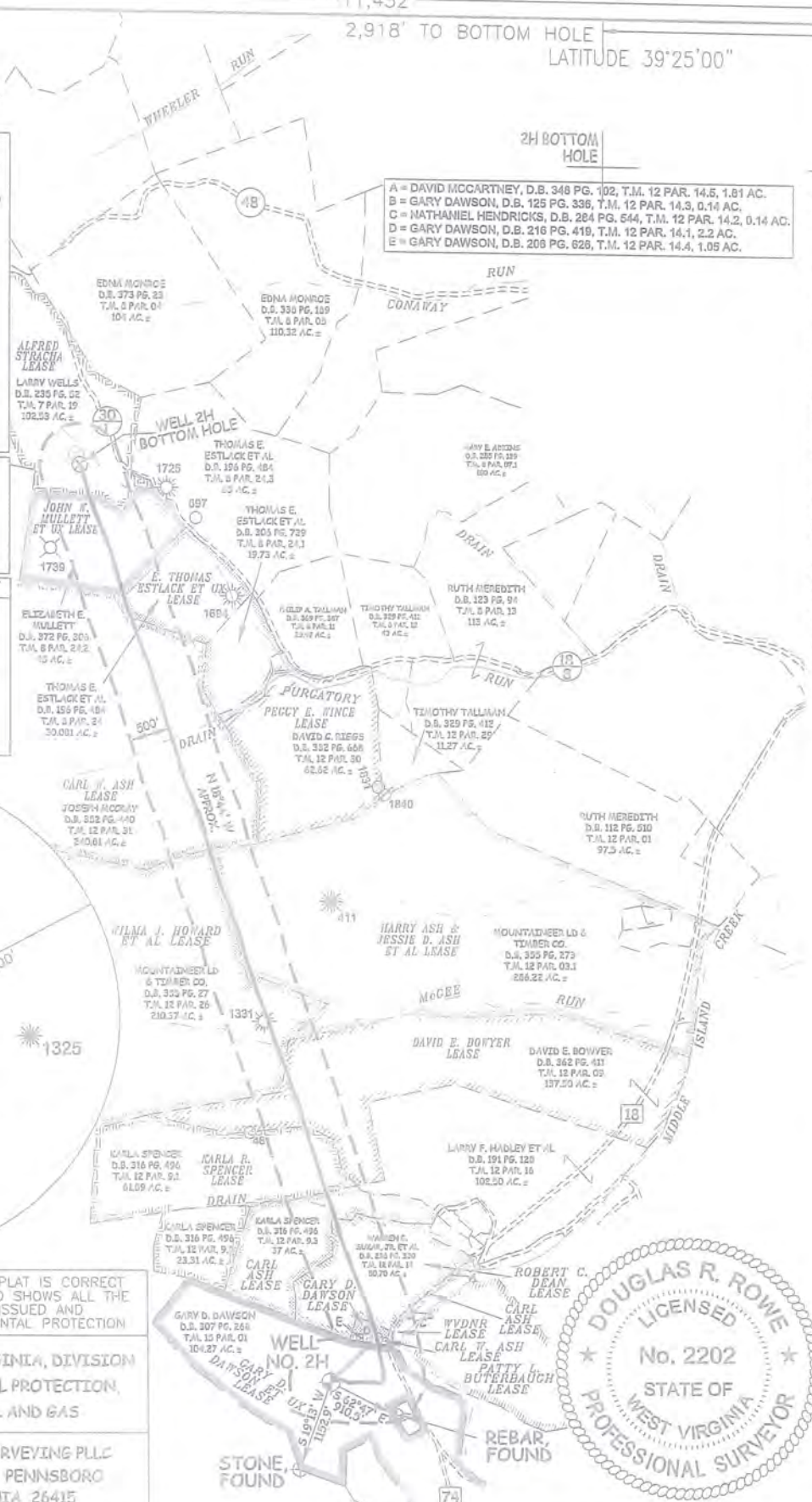
PAD LAYOUT NOT TO SCALE



3 WATER WELLS WERE LOCATED WITHIN 2000' OF CENTER OF PAD



- A = DAVID MCCARTNEY, D.B. 348 PG. 102, T.M. 12 PAR. 14.5, 1.81 AC. B = GARY DAWSON, D.B. 125 PG. 336, T.M. 12 PAR. 14.3, 0.14 AC. C = NATHANIEL HENDRICKS, D.B. 284 PG. 544, T.M. 12 PAR. 14.2, 0.14 AC. D = GARY DAWSON, D.B. 216 PG. 419, T.M. 12 PAR. 14.1, 2.2 AC. E = GARY DAWSON, D.B. 209 PG. 628, T.M. 12 PAR. 14.4, 1.05 AC.



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



JOB # 16-033WA DRAWING # BOUNTY2HAD SCALE 1" = 2000' 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

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# BOUNTY UNIT #2H

- 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.

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 095 02412 (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 1,009' - AS BUILT WATERSHED HEADWATERS MIDDLE ISLAND CREEK QUADRANGLE SHIRLEY 7.5' (TH) MIDDLEBOURNE 7.5' (BH) DISTRICT CENTERVILLE COUNTY TYLER SURFACE OWNER GARY D. DAWSON ET UX ACREAGE 104.27 ACRES +/- OIL & GAS ROYALTY OWNER GARY D. DAWSON ET UX; CARL W. ASH; GARY D. DAWSON; ROBERT C. DEAN; CARL ASH; LEASE ACREAGE 104.27 AC +/- 0.53063 AC +/- 2.8062 AC +/- 50.7 AC +/- 37 AC +/- KARLA R. SPENCER; DAVID E. BOWYER; WILMA J. HOWARD ET AL; HARRY ASH & JESSIE D. ASH ET AL; 85.2 AC +/- 138 AC +/- 239 AC +/- 291 AC +/- CARL W. ASH; E. THOMAS ESTLACK ET UX; JOHN W. MULLETT ET UX; ALFRED STRACHA 362.8 AC +/- 50 AC +/- 45 AC +/- 101.2 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 6,450' TVD 18,171' 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

1,826' TO BOTTOM HOLE

LONGITUDE 80°52'30"

LONGITUDE 80°50'00"