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

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JAN 22 2018

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WV Department of
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API 47 - 095 - 02361 County Tyler District Centerville
Quad Shirley 7.5' Pad Name Edna Monroe Pad Field/Pool Name ---
Farm name Edna Monroe Well Number Deulley Unit 3H
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 4363702m Easting 510916m
Landing Point of Curve Northing 4363766.160m Easting 511566.096m
Bottom Hole Northing 4360714m Easting 512660m

Elevation (ft) 1044' 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 07/22/2016 Date drilling commenced 09/13/2016 Date drilling ceased 01/05/2017
Date completion activities began 05/09/2017 Date completion activities ceased 09/25/2017
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 337' Open mine(s) (Y/N) depths No
Salt water depth(s) ft None Identified 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

Reviewed by:

JEB

03/02/2018

API 47-095 - 02361 Farm name Edna Monroe Well number Deulley Unit 3H

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"	553'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2609'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"	5-1/2"	18189'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7063'		4.7#, N-80		
Packer type and depth set	N/A						

Comment Details *Cement squeeze performed 12/28/2016.

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	241	0	8 Hrs.
Surface	Class A	653 sx	15.6	1.19	777	0	8 Hrs.
Coal							
Intermediate 1	Class A	1011 sx	15.6	1.18	1193	0	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	847 sx (Lead), 1570 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.44 (Lead), 1.87 (Tail)	4156	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 18189' MD, 6585' TVD (BHL), 6585' TVD (Deepest point drilled) Loggers TD (ft) 18173' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6127

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Bead Unit 2H API# 47-095-02362). Please reference the wireline logs submitted with Form WR-35 for the Bead Unit 2H. A Cement Bond Log has been included with this submittal.

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- 095 - 02361 Farm name Edna Monroe Well number Deulley Unit 3H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>Marcellus</u>	<u>6499' (Top)</u> TVD	<u>7142' (Top)</u> MD
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 4100 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 9814 mcfpd Oil 170 bpd NGL -- bpd Water 2409 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	
	<u>0</u>		<u>0</u>		
* PLEASE SEE ATTACHED EXHIBIT 3					

Please insert additional pages as applicable.

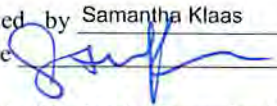
Drilling Contractor Patterson - UTI Drilling Company LLC
Address 207 Carlton Drive City Eighty Four State PA Zip 15330

Logging Company Pro Oilfield Services LLC
Address 3141 Pulaski Rd City New Castle State PA Zip 16105

Cementing Company Allied Oil & Gas Services, LLC
Address 1036 East Main Street City Bridgeport State WV Zip 26330

Stimulating Company Halliburton
Address 121 Champion Way Suite 200 City Cannonsburg State PA Zip 15317

Please insert additional pages as applicable.

Completed by Samantha Klaas Telephone 303-357-6759 RECEIVED
Signature  Title Permitting Agent Date 01/19/2018 Office of Oil and Gas

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry JAN 22 2018

API 47-095-02361 Farm Name Edna Monroe Well Number Deulley Unit 3H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	5/9/2017	17921	18089	48	Marcellus
2	6/30/2017	17718	17804	48	Marcellus
3	6/30/2017	17516	17601	48	Marcellus
4	7/1/2017	17313	17399	48	Marcellus
5	7/1/2017	17111	17196	48	Marcellus
6	7/1/2017	16908	16994	48	Marcellus
7	7/2/2017	16706	16791	48	Marcellus
8	7/2/2017	16503	16589	48	Marcellus
9	7/3/2017	16301	16386	48	Marcellus
10	7/4/2017	16098	16184	48	Marcellus
11	7/4/2017	15896	15981	48	Marcellus
12	7/5/2017	15693	15779	48	Marcellus
13	7/5/2017	15491	15576	48	Marcellus
14	7/5/2017	15288	15374	48	Marcellus
15	7/6/2017	15086	15171	48	Marcellus
16	7/6/2017	14883	14969	48	Marcellus
17	7/6/2017	14681	14766	48	Marcellus
18	7/6/2017	14478	14563	48	Marcellus
19	7/7/2017	14276	14361	48	Marcellus
20	7/7/2017	14073	14158	48	Marcellus
21	7/7/2017	13871	13956	48	Marcellus
22	7/8/2017	13668	13753	48	Marcellus
23	7/8/2017	13465	13551	48	Marcellus
24	7/8/2017	13263	13348	48	Marcellus
25	7/9/2017	13060	13146	48	Marcellus
26	7/9/2017	12858	12943	48	Marcellus
27	7/9/2017	12655	12741	48	Marcellus
28	7/10/2017	12453	12538	48	Marcellus
29	7/10/2017	12250	12336	48	Marcellus
30	7/11/2017	12048	12133	48	Marcellus
31	7/11/2017	11845	11931	48	Marcellus
32	7/11/2017	11643	11728	48	Marcellus
33	7/11/2017	11440	11526	48	Marcellus
34	7/13/2017	11238	11323	48	Marcellus
35	7/13/2017	11035	11121	48	Marcellus
36	7/14/2017	10833	10918	48	Marcellus
37	7/14/2017	10630	10716	48	Marcellus
38	7/14/2017	10428	10513	48	Marcellus
39	7/15/2017	10225	10311	48	Marcellus
40	7/15/2017	10023	10108	48	Marcellus
41	7/15/2017	9820	9905	48	Marcellus
42	7/15/2017	9618	9703	48	Marcellus
43	7/16/2017	9415	9500	48	Marcellus
44	7/16/2017	9213	9298	48	Marcellus
45	7/17/2017	9010	9095	48	Marcellus
46	7/17/2017	8807	8893	48	Marcellus
47	7/17/2017	8605	8690	48	Marcellus
48	7/17/2017	8402	8488	48	Marcellus
49	7/18/2017	8200	8285	48	Marcellus
50	7/18/2017	7997	8083	48	Marcellus
51	7/18/2017	7795	7880	48	Marcellus
52	7/18/2017	7592	7678	48	Marcellus
53	7/19/2017	7390	7475	48	Marcellus
54	7/19/2017	7187	7273	48	Marcellus

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EXHIBIT 2							
API 47-095-02361 Farm Name Edna Monroe Well Number Deully Unit 3H							
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)
							Nitrogen/other (units)
1	6/30/2017	75.5	7024	0	3025	147090	9155
N/A							
2	6/30/2017	74.8	7565	5137	3326	168200	10060
N/A							
3	6/30/2017	75.3	7367	5196	3339	147100	9200
N/A							
4	7/1/2017	74.6	7531	5252	3378	147180	9128
N/A							
5	7/1/2017	74.0	8120	5312	3722	167400	11881
N/A							
6	7/1/2017	76.0	7392	5352	3703	147170	9216
N/A							
7	7/2/2017	72.0	7179	5355	3752	168280	10008
N/A							
8	7/2/2017	70.0	7225	4902	3841	146770	10036
N/A							
9	7/3/2017	72.4	7400	5297	3631	163020	9587
N/A							
10	7/4/2017	66.4	7136	5653	3734	147430	10414
N/A							
11	7/4/2017	76.9	7675	5307	3557	166440	13094
N/A							
12	7/5/2017	79.1	7542	5143	3160	147550	10021
N/A							
13	7/5/2017	78.8	7574	5238	3766	160600	10273
N/A							
14	7/5/2017	77.5	7290	5250	3701	165260	9410
N/A							
15	7/6/2017	80.1	7098	5497	3817	161440	9393
N/A							
16	7/6/2017	80.1	7310	5704	3786	144660	8844
N/A							
17	7/6/2017	77.0	7328	5460	3773	163280	8988
N/A							
18	7/6/2017	72.9	6917	5349	3968	168340	9665
N/A							
19	7/7/2017	75.8	7869	5372	3805	147200	11379
N/A							
20	7/7/2017	78.2	7413	5454	3654	168260	10388
N/A							
21	7/7/2017	80.3	8696	5284	3891	147030	11010
N/A							
22	7/8/2017	77.9	7143	5228	3991	167900	9277
N/A							
23	7/8/2017	59.3	7739	5353	6215	105070	12729
N/A							
24	7/8/2017	72.8	7708	5366	3618	147030	11400
N/A							
25	7/9/2017	75.0	6864	5317	3783	168220	9463
N/A							
26	7/9/2017	73.5	6761	5215	4013	147160	9032
N/A							
27	7/9/2017	72.7	6892	5309	3720	166360	9281
N/A							
28	7/10/2017	74.0	6773	5237	3639	146910	8868
N/A							
29	7/10/2017	72.6	6887	5405	3949	168280	9172
N/A							
30	7/11/2017	77.3	6946	5297	3554	166120	9180
N/A							
31	7/11/2017	76.8	6642	5022	3910	168160	9397
N/A							
32	7/11/2017	69.3	6748	5515	3763	171180	9189
N/A							
33	7/11/2017	79.9	6948	5453	5557	165260	11458
N/A							
34	7/13/2017	73.5	6881	5229	3763	167980	11109
N/A							
35	7/13/2017	78.6	6845	5304	3950	147490	9712
N/A							
36	7/14/2017	80.1	6944	5465	3748	167980	8949
N/A							
37	7/14/2017	77.0	6666	5314	3692	167380	9321
N/A							
38	7/14/2017	78.6	6792	5270	3886	168000	9083
N/A							
39	7/15/2017	74.2	6647	5118	3785	146900	9224
N/A							
40	7/15/2017	74.5	6999	5380	3768	146450	8802
N/A							
41	7/15/2017	75.9	6709	5088	3840	167320	10007
N/A							
42	7/15/2017	82.1	6721	5375	3915	145830	8436
N/A							
43	7/16/2017	72.0	6092	5571	4003	168200	8923
N/A							
44	7/16/2017	75.9	6497	5396	3899	168040	9197
N/A							
45	7/17/2017	78.6	6762	5361	4055	146690	8956
N/A							
46	7/17/2017	75.7	6953	5243	3926	167980	8941
N/A							
47	7/17/2017	80.0	7182	5297	3792	168080	10014
N/A							
48	7/17/2017	78.8	6736	5643	4011	147090	8643
N/A							
49	7/18/2017	75.4	6691	5573	3959	168360	8715
N/A							
50	7/18/2017	74.8	6665	5820	3996	146860	8444
N/A							
51	7/18/2017	80.2	6851	5865	4168	168220	8863
N/A							
52	7/18/2017	79.6	6662	5644	3779	147200	8643
N/A							
53	7/19/2017	79.7	6773	5368	3612	166840	9066
N/A							
54	7/19/2017	78.3	6266	5223	3915	168140	8851
N/A							
Avg=						8,533,380	521,494
TOTAL							

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EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface
Fresh Water	337'	N/A	337'	N/A
Sandy Siltstone	est. 0	225	est. 0	225
Sandstone	est. 225	325	est. 225	325
Shale/Siltstone	est. 325	605	est. 325	605
Silty Limestone	est. 605	805	est. 605	805
Sandy Siltstone	est. 805	1025	est. 805	1025
Silty Shale	est. 1025	1065	est. 1025	1065
Sandstone	est. 1065	1445	est. 1065	1445
Sandy Shale	est. 1445	1545	est. 1445	1545
Shale/Sandstone	est. 1545	1705	est. 1545	1705
Sandstone/Siltstone	est. 1705	1745	est. 1705	1745
Sandstone	est. 1745	1810	est. 1745	1810
Sandy Shale	est. 1810	1870	est. 1810	1879
Big Lime	1885	2021	1894	2038
Big Injun	2021	2564	2038	2608
Gantz Sand	2564	2703	2608	2753
Fifty Foot Sandstone	2703	2782	2753	2836
Gordon	2782	3108	2836	3189
Fifth Sandstone	3108	3186	3189	3276
Bayard	3186	3508	3276	3634
Warren	3508	3893	3634	4062
Speechley	3893	4075	4062	4266
Baltown	4075	4423	4266	4655
Bradford	4423	4846	4655	5128
Benson	4846	5193	5128	5517
Alexander	5193	5402	5517	5750
Elk	5402	5587	5750	5955
Rhinestreet	5587	6184	5955	6608
Sycamore	6159	6328	6583	6807
Middlesex	6328	6433	6807	6979
Burkett	6433	6465	6979	7048
Tully	6465	6499	7048	7142
Marcellus	6499	NA	7142	NA

*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/29/2017
Job End Date:	7/19/2017
State:	West Virginia
County:	Tyler
API Number:	47-095-02361-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Deulley Unit 3H
Latitude:	39.41847900
Longitude:	-80.87448000
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,546
Total Base Water Volume (gal):	22,728,022
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	Operator	Base Fluid					
			Water	7732-18-5	100.00000	89.02370	Density = 8.330
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.53259	

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LP -70	Halliburton	Scale Inhibitor					
				Listed Below			
FR-76	Halliburton	Friction Reducer					
				Listed Below			
SAND- PREMIUM WHITE-40/70, BULK	Halliburton	Proppant					
				Listed Below			
SP BREAKER	Halliburton	Breaker					
				Listed Below			
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676)	Halliburton	Proppant					
				Listed Below			
HCL >10%	Halliburton	Solvent					
				Listed Below			
SAND- PREMIUM WHITE-30/50 BULK	Halliburton	Proppant					
				Listed Below			
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor					

				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
HYDROCHLORIC ACID	Halliburton	Solvent					
				Listed Below			
MC B-8614	Halliburton	Biocide					
				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	10.38305	
			Hydrochloric acid	7647-01-0	15.00000	0.05488	
			Guar gum	9000-30-0	100.00000	0.02380	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02180	
			Acrylamide acrylate copolymer	Proprietary	30.00000	0.02180	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226
			Inorganic salt	Proprietary	30.00000	0.02180	
			Ethylene Glycol	107-21-1	60.00000	0.00849	
			Glutaraldehyde	111-30-8	30.00000	0.00263	
			Neutralized Polyacrylic Emulsion	Proprietary	10.00000	0.00141	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00044	
			Sodium persulfate	7775-27-1	100.00000	0.00043	
			Methanol	67-56-1	60.00000	0.00013	

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			Ethanol	64-17-5	1.00000	0.00009	
			Modified thiourea polymer	Proprietary	30.00000	0.00006	
			Ethoxylated alcohols	Proprietary	30.00000	0.00006	
			Fatty acids, tall oil	Proprietary	30.00000	0.00006	
			Olefins	Proprietary	5.00000	0.00002	
			Propargyl alcohol	107-19-7	10.00000	0.00002	
			Phosphoric acid	7664-38-2	0.10000	0.00001	
			Sodium sulfate	7757-82-6	0.10000	0.00000	

* 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°27'30"

11,306'

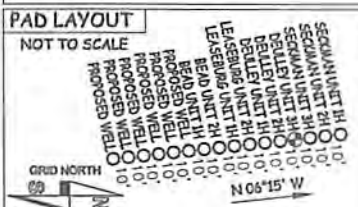
5,601' TO BOTTOM HOLE

LATITUDE 39°25'00"

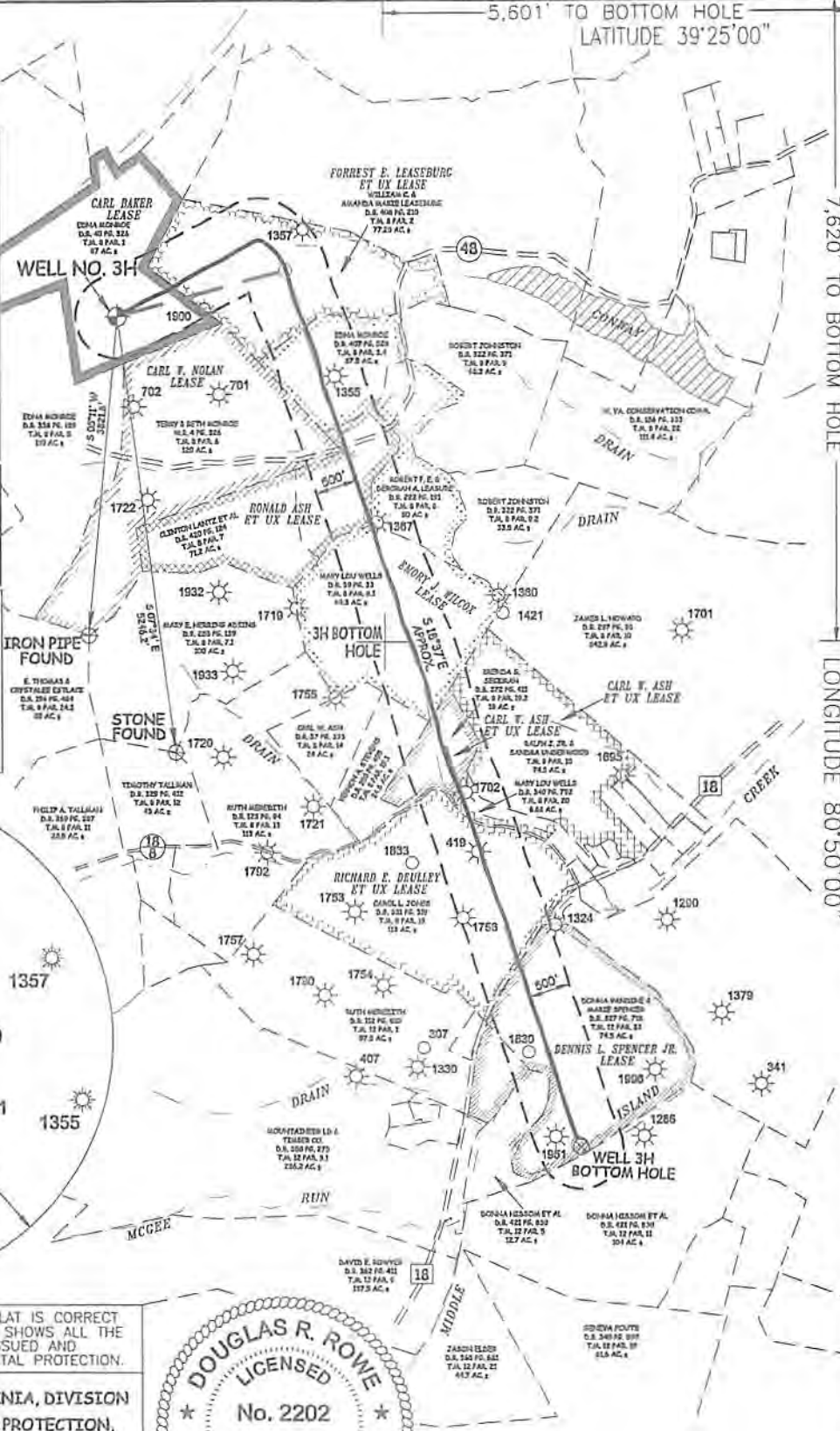
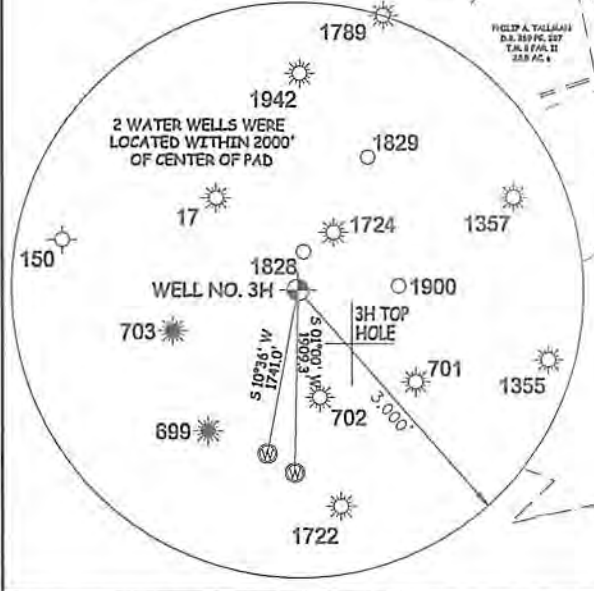
Antero Resources Corporation
Well No. Deulley Unit 3H
47-095-02361 (AS DRILLED)

AS DRILLED NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 339,031ft E: 1,612,042ft
LAT: 39°25'21.72" LON: 80°52'24.08"
BOTTOM HOLE INFORMATION:
N: 322,29ft E: 1,617,601ft
LAT: 39°23'44.69" LON: 80°51'11.34"
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 3H TOP HOLE INFORMATION:
N: 4,363,702m E: 510,916m
BOTTOM HOLE INFORMATION:
N: 4,360,714m E: 512,660m



WV NORTH ZONE GRID NORTH



7,620' TO BOTTOM HOLE

12,979'

LONGITUDE 80°50'00"

LONGITUDE 80°50'00"

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 # 15-012WA
DRAWING # DEULLEY3HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
Surface Owner Boundary Lines +/-
Interior Surface Tracts +/-
Found monument, as noted
Proposed Well Path
As Drilled Well Path

- 1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHUTTER 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.

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS OPERATOR'S WELL# DEULLEY UNIT #3H
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 - 095 - 02361
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT
LOCATION: ELEVATION 1,044' - AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE SHIRLEY 7.5 DISTRICT CENTERTVILLE COUNTY TYLER
SURFACE OWNER EDNA MONROE ACREAGE 110.32 ACRES +/-
OIL & GAS ROYALTY OWNER CARL BAKER; FORREST E LEASEBURG ET UX; EMORY J. WILCOX; LEASE ACREAGE 87 AC±; 78 AC±; 168.75 AC±;
RONAD ASH ET UX; CARL W. ASH ET UX; CARL W. ASH ET UX; RICHARD E DEULLEY ET UX; DENNIS L SPENCER JR 72 AC±; 17.4 AC±; 88 AC±; 113 AC±; 221 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 6,585' TVD 18,189' 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

