

APPROVED

WR-35
Rev. 8/23/13

Page ___ of ___

NAME: [Signature]

DATE: 11/1/17

State of West Virginia

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

API 47-017-06306 County Doddridge District Greenbrier
Quad New Milton & Smithburg 7.5' Pad Name Susie Jane Pad Field/Pool Name -----
Farm name John S. Jr. & Jacquelin S. Trent Well Number Kelley 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 4345018.936m Easting 531740.930m
Landing Point of Curve Northing 4344758.710m Easting 531530.190m
Bottom Hole Northing 4343407.308m Easting 531973.754m

Elevation (ft) 1248' 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 08/30/2013 Date drilling commenced 07/03/2014 Date drilling ceased 12/15/2014
Date completion activities began 12/26/2014 Date completion activities ceased 02/13/2017
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 97', 184', 187' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1370', 1460', 2281' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 957' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by: _____

11/10/2017

API 47- 017 - 06306 Farm name John S. Jr. & Jacquelin S. Trent Well number Kelley Unit 1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	24"	20"	90'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	391'	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"	12572'	New	20#, P-110	N/A	Y
Tubing		2-3/8"	7557'		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	94 sx	15.6	1.18	111	0'	8 Hrs.
Surface	Class A	463 sx	15.6	1.18	546	0'	8 Hrs.
Coal							
Intermediate 1	Class A	991 sx	15.6	1.18	1169	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	900 sx (Lead) 1000 sx (Tail)	14.5 (Lead), 15.2 (Tail)	1.3 (Lead), 1.86 (Tail)	3030	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 12752' MD, 7351' TVD (BHL) & 7352' TVD (Deepest Point Drilled) Loggers TD (ft) 12524' MD

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

Plug back procedure N/A

Kick off depth (ft) 5162'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Kelley Unit 2H API #47-017-06282). Please reference the wireline logs submitted with Form WR-35 for Kelley 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 _____

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

API 47- 017 - 06306 Farm name John S. Jr. & Jacquelin S. Trent Well number Kelley 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								

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Please insert additional pages as applicable.

API 47- 017 - 06306 Farm name John S. Jr. & Jacquelin S. Trent Well number Kelley Unit 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
Marcellus	7278' (TOP)	TVD	7591' (TOP) MD
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 3950 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 10946 mcfpd Oil 0 bpd NGL --- bpd Water 3 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 Frontier Drilling LLC
Address 562 Spring Run Rd City Pennsboro State WV Zip 26415

Logging Company STRC
Address 1560 Good Hope Pike City Clarksburg State WV Zip 26301

Cementing Company Nabors Completion & Production Services, Co.
Address 1650 Hackers Creek City Jane Lew State WV Zip 26378

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

Please insert additional pages as applicable.

Completed by Samantha Klaas Telephone 303-357-6759
Signature *Samantha Klaas* Title Permitting Agent Date 09/15/2017

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	12/26/2014	12315	12480	60	Marcellus
2	12/22/2016	12120	12285	60	Marcellus
3	12/22/2016	11925	12090	60	Marcellus
4	12/23/2016	11730	11895	60	Marcellus
5	12/26/2016	11535	11700	60	Marcellus
6	12/27/2016	11340	11505	60	Marcellus
7	12/27/2016	11145	11310	60	Marcellus
8	12/28/2016	10950	11115	60	Marcellus
9	12/29/2016	10755	10920	60	Marcellus
10	12/30/2016	10560	10725	60	Marcellus
11	12/30/2016	10365	10530	60	Marcellus
12	12/31/2016	10170	10335	60	Marcellus
13	12/31/2016	9975	10140	60	Marcellus
14	1/1/2017	9780	9945	60	Marcellus
15	1/1/2017	9585	9750	60	Marcellus
16	1/3/2017	9390	9555	60	Marcellus
17	1/3/2017	9196	9360	60	Marcellus
18	1/4/2017	9001	9165	60	Marcellus
19	1/4/2017	8806	8970	60	Marcellus
20	1/5/2017	8611	8775	60	Marcellus
21	1/6/2017	8416	8580	60	Marcellus
22	1/7/2017	8221	8385	60	Marcellus
23	1/7/2017	8026	8190	60	Marcellus
24	1/8/2017	7831	7995	60	Marcellus
25	1/8/2017	7636	7800	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	12/21/2016	77.2	7396	0	4959	498300	10018	N/A
2	12/22/2016	75.4	7542	7426	5084	497726	9816	N/A
3	12/22/2016	78.9	7580	6137	5171	502388	9829	N/A
4	12/23/2016	77.6	7614	6623	5017	503771	9936	N/A
5	12/26/2016	78.7	7098	6175	5147	499045	10514	N/A
6	12/27/2016	76.4	7567	6171	5086	501284	9969	N/A
7	12/27/2016	76.5	7527	5906	5021	500601	9839	N/A
8	12/28/2016	75.9	7566	5961	5220	500394	10954	N/A
9	12/29/2016	77.5	7549	5678	6025	500788	9817	N/A
10	12/30/2016	77.7	7477	5723	4801	504006	9810	N/A
11	12/30/2016	77.4	7320	5874	4747	499730	9706	N/A
12	12/31/2016	77.5	7727	6077	4761	498686	10931	N/A
13	12/31/2016	76.7	7427	6074	5373	499324	9744	N/A
14	1/1/2017	77.7	7538	6054	5325	498324	9657	N/A
15	1/1/2017	77.5	7443	6129	5118	498176	10666	N/A
16	1/3/2017	80.4	7309	6224	4915	501131	9786	N/A
17	1/3/2017	77.4	7096	5989	5227	519919	10171	N/A
18	1/4/2017	74.3	6903	5752	3912	501277	9698	N/A
19	1/4/2017	77.2	6748	5692	4543	503525	9671	N/A
20	1/5/2017	77.0	7033	4144	4476	500456	9728	N/A
21	1/6/2017	78.5	7104	5966	5164	503868	9831	N/A
22	1/7/2017	78.4	7161	5673	4871	497864	10260	N/A
23	1/7/2017	78.6	7010	5596	4653	501793	10848	N/A
24	1/8/2017	74.4	6912	5867	4593	501862	9908	N/A
25	1/8/2017	78.4	6769	5859	5070	498760	9638	N/A
AVG=		77.3	7297	5,711	4,971	12,532,998	10,030	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
Fresh Water	97'	N/A	97'	N/A
Fresh Water	184'	N/A	184'	N/A
Fresh Water	187'	N/A	187'	N/A
Silt	0	147	0	147
Sandy siltstone	est. 147	237	est. 147	237
Sandstone	est. 237	267	est. 237	267
Silty Sandstone	est. 267	337	est. 267	337
Shale	est. 337	417	est. 337	417
Sandstone	est. 417	487	est. 417	487
Silty Sandstone	est. 487	867	est. 487	867
Sandy Shale	est. 867	957	est. 867	957
Sandstone (Trace Coal)	est. 957	1287	est. 957	1287
Sandstone	est. 1287	1437	est. 1287	1507
Limey Shale	est. 1437	1677	est. 1437	1587
Silty Sandstone	est. 1677	2037	est. 1677	1647
Sandy Siltstone	est. 2037	2247	est. 2037	1827
Limey Shale	est. 2247	2309	est. 2247	2322
Big Lime	2309	2686	2322	2688
Gantz Sand	2686	2896	2688	2898
Fifty Foot Sandstone	2896	3076	2898	3078
Gordon	3076	3426	3078	3428
Fifth Sandstone	3426	3494	3428	3496
Bayard	3494	4013	3496	4015
Speechley	4013	4222	4015	4224
Baltown	4222	4824	4224	4826
Bradford	4824	5288	4826	5290
Benson	5288	5288	5290	5553
Alexander	5288	5790	5553	5809
Elk	5790	6305	5809	6380
Rhinestreet	6305	6827	6380	6961
Sycamore	6827	6989	6961	7142
Middlesex	6989	7130	7142	7320
Burkett	7130	7161	7320	7363
Tully	7161	7278	7363	7591
Marcellus	7278	NA	7591	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:	12/21/2016
Job End Date:	1/9/2017
State:	West Virginia
County:	Doddridge
API Number:	47-017-06306-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Kelley 1H
Latitude:	39.25383000
Longitude:	-80.63230278
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,352
Total Base Water Volume (gal):	10,679,583
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
Flush Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	87.43764	Density = 8.330
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.20682	

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SAND-PREMIUM WHITE-40/70, BULK	Halliburton	Proppant					
				Listed Below			
SAND-PREMIUM WHITE -30/50	Halliburton	Proppant					
				Listed Below			
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676)	Halliburton	Proppant					
				Listed Below			
SP BREAKER	Halliburton	Breaker					
				Listed Below			
FR-76	Halliburton	Friction Reducer					
				Listed Below			
HAI-OS ACID INHIBITOR	Halliburton	Corrosion Inhibitor					
				Listed Below			
CALCIUM CHLORIDE - HI-TEST PELLETS	Halliburton	Accelerator					
				Listed Below			
MC B-8614	Halliburton	Biocide					

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				Listed Below			
HYDROCHLORIC ACID	Halliburton	Solvent					
				Listed Below			
MC S-2510T	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	12.31844	
			Hydrochloric acid	7647-01-0	15.00000	0.02389	
			Acrylamide acrylate copolymer	Proprietary	30.00000	0.01615	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01615	
			Inorganic salt	Proprietary	30.00000	0.01615	
			Ethylene Glycol	107-21-1	60.00000	0.00822	
			Guar gum	9000-30-0	100.00000	0.00759	
			Glutaraldehyde	111-30-8	30.00000	0.00255	
			Neutralized Polyacrylic Emulsion	Proprietary	10.00000	0.00137	
			Calcium chloride	10043-52-4	96.00000	0.00066	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00042	
			Sodium persulfate	7775-27-1	100.00000	0.00025	

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			Methanol	67-56-1	60.00000	0.00009
			Ethanol	64-17-5	1.00000	0.00008
			Ethoxylated alcohols	Proprietary	30.00000	0.00004
			Reaction product of acetophenone, formaldehyde, thiourea and oleic acid in dimethyl formamide	68527-49-1	30.00000	0.00004
			Fatty acids, tall oil	Proprietary	30.00000	0.00004
			Potassium chloride	7447-40-7	5.00000	0.00003
			Sodium chloride	7647-14-5	5.00000	0.00003
			Strontium chloride	10476-85-4	5.00000	0.00003
			Olefins	Proprietary	5.00000	0.00001
			Propargyl alcohol	107-19-7	10.00000	0.00001
			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)

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2,240' to Top Hole

1,374' to Bottom Hole

TOP HOLE LATITUDE 39 - 17 - 30
BTM HOLE LATITUDE 39 - 15 - 00

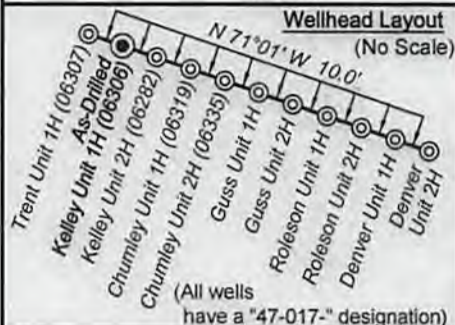
**Antero Resources
Well No. Kelley Unit 1H
As-Drilled Plat
Antero Resources
Corporation**

Notes:
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Kelley Unit 1H Top Hole coordinates are
N: 276,580.35' Latitude: 39°15'13.78"
E: 1,679,357.60' Longitude: 80°37'56.29"
Bottom Hole coordinates are
N: 271,278.99' Latitude: 39°14'21.47"
E: 1,680,033.43' Longitude: 80°37'46.85"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,345,018.936m N: 4,343,407.308m
E: 531,740.930m E: 531,973.754m
Plat orientation and corner and well references
are based upon the grid north meridian.
Well location references are based upon the magnetic
meridian.

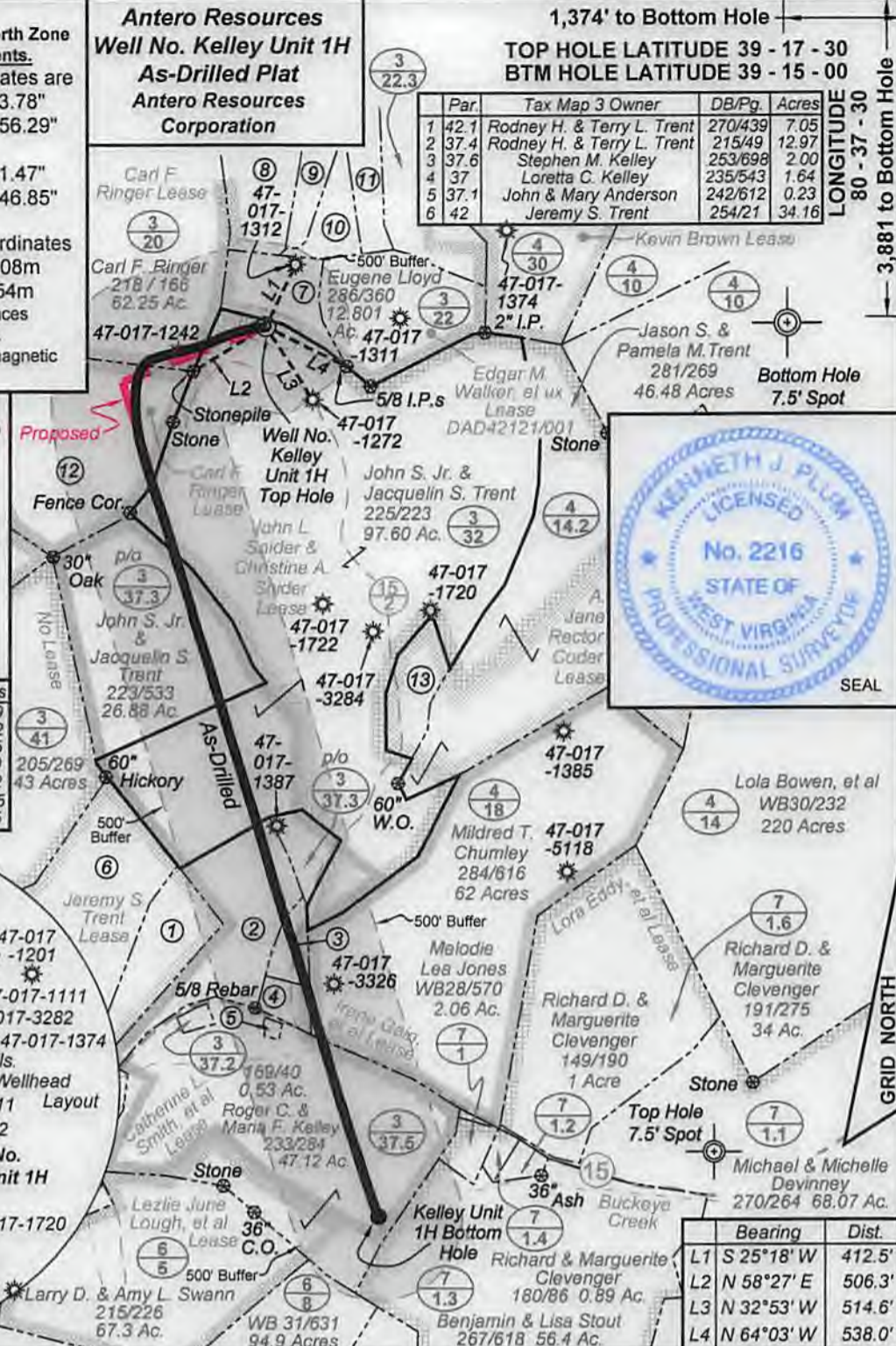
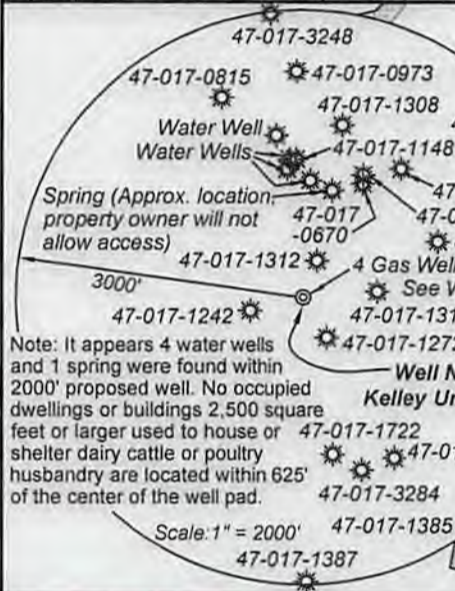
Par.	Tax Map 3 Owner	DB/Pg.	Acres
1	42.1 Rodney H. & Terry L. Trent	270/439	7.05
2	37.4 Rodney H. & Terry L. Trent	215/49	12.97
3	37.6 Stephen M. Kelley	253/698	2.00
4	37 Loretta C. Kelley	235/543	1.64
5	37.1 John & Mary Anderson	242/612	0.23
6	42 Jeremy S. Trent	254/21	34.16

LONGITUDE
80 - 37 - 30

3,881' to Bottom Hole



Par.	Tax Map 3 Owner	DB/Pg.	Acres
7	22.2 Sharon M. Davis	198/595	5.09
8	22.7 Linda Burnside	198/607	7.62
9	22.6 Eugene Errol Lloyd	198/604	2.65
10	22.5 Eugene Errol Lloyd	286/360	2.80
11	22.4 Eugene Errol Lloyd	286/360	2.02
12	31 Carl F. Ringer	218/166	27.25
13	14.1 John S. Jr. & Jacquelin Trent	225/223	6.15



13,754' to Top Hole

GRID NORTH



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.

Kenneth J. Plum
Kenneth J. Plum, P.S. 2216

Legend

- ⊙ Proposed gas well
- ⊗ Found corner, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

Top Hole coordinates verified by survey grade GPS. 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.

FILE NO: 105-30-G-13
DRAWING NO: Kelley 1H Well Plat As-Drill
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

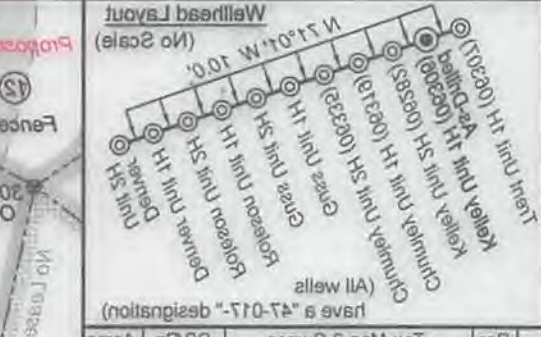
DATE: July 13 2017
OPERATOR'S WELL NO. Kelley Unit 1H
API WELL NO
47 - 017 - 06306
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
Existing Grade - 1248' New Milton &
LOCATION: ELEVATION: Original Grade - 1269' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: Smithburg
DISTRICT: Greenbrier COUNTY: Doddridge
SURFACE OWNER: John S. Jr. & Jacquelin S. Trent Irene Gain, et al ACREAGE: 97.60 62.25; 100
ROYALTY OWNER: John L. Snider & Christine A. Snider; Catherine L. Smith, et al LEASE NO: ACREAGE: 98.9; 65; 27.25
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 7,351' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: 12,572' MD

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

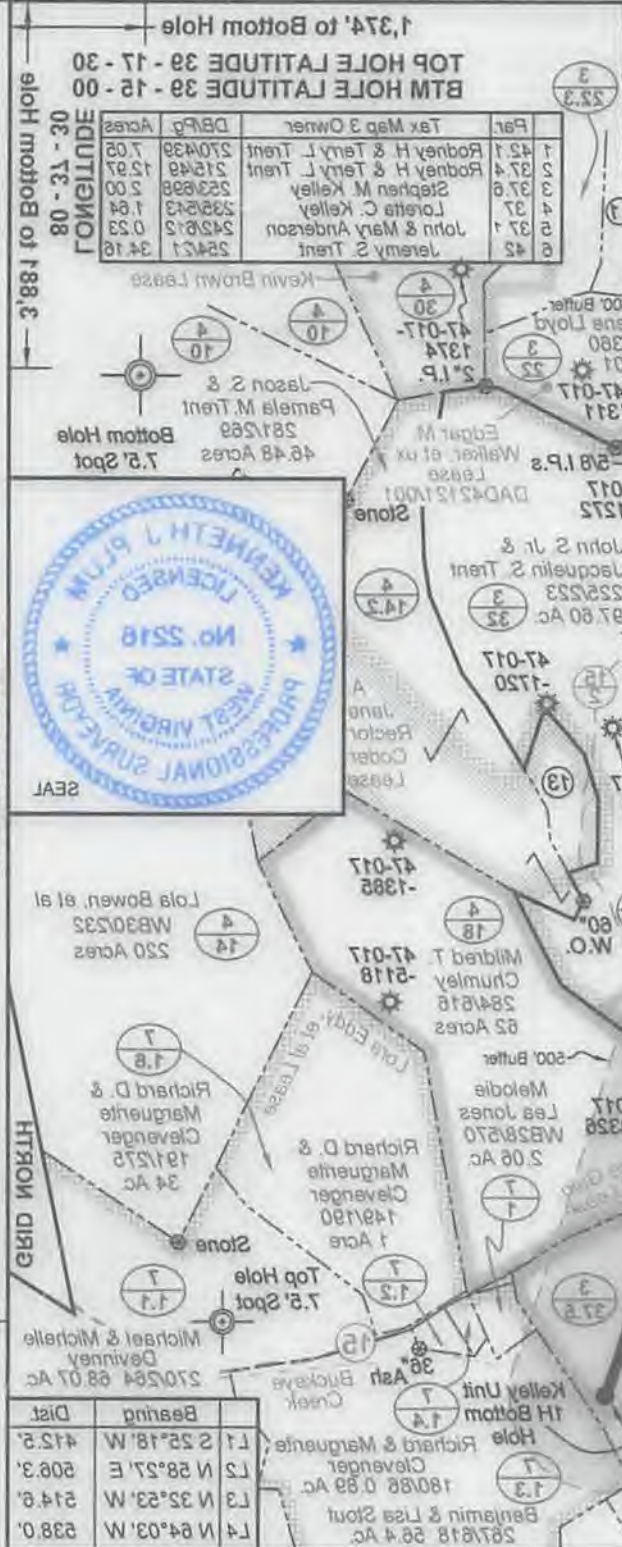
11/10/2017

Notes:
 West Virginia Coordinate System of 1977, North Zone based upon Differential GPS Measurements.
 Well No. Kelley Unit 1H Top Hole coordinates are N: 27°58'03.5" Latitude: 80°37'28.29" Longitude: 39°14'21.47"
 Bottom Hole coordinates are N: 27°58'03.5" Latitude: 80°37'28.29" Longitude: 39°14'21.47"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,345,018.938m E: 531,740.930m
 N: 4,343,407.308m E: 531,973.754m
 Flat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.



Parcel	Tax Map 3 Owner	DBFP	Acres
7523	Sharon M. Davis	198235	2.08
827	Linda Bumside	198207	7.62
828	Eugene Errol Lobd	198204	2.85
1022	Eugene Errol Lobd	288260	2.80
1122	Eugene Errol Lobd	288260	2.02
1231	Carl F. Ringler	218188	27.25
1314	John S. Jr. & Jacqueline Trent	225223	8.15

Antero Resources As-Dilled Plat
Well No. Kelley Unit 1H
Antero Resources Corporation



Legend

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

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.



Top Hole coordinates verified by survey grade GPS. As-dilled data and information was provided by Antero Resources Corporation. Allegheny Survey, Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any error or inaccuracies with the data and information that has been provided.

STATE COUNTY PERMIT
 47 - 017 - 06306
 API WELL NO
 OPERATORS WELL NO. Kelley Unit 1H
 DATE: July 13 2017

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

DESIGNATED AGENT: Danna Stamber - CT Corporation System
 ADDRESS: 1815 Wynkoop Street, Denver, CO 80202
 ADDRESS: 5400 D Big Tyler Road, Charleston, WV 25313

WELL OPERATOR: Antero Resources Corporation
 TARGET FORMATION: Marcellus Shale
 DEPTH: 12,575 MD
 PROPOSED WORK: PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Dilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG CONVERT DRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 ROYALTY OWNER: John L. Snider & Christine A. Snider, Catherine L. Smith, et al
 LEASE NO: _____
 SURFACE OWNER: John S. Jr. & Jacqueline S. Trent, Carl F. Ringler (S)
 LOCATION: ELEVATION: Original Grade - 1289', Existing Grade - 1248'
 WATERSHED: Headwaters Middle Island Creek
 COUNTY: Doddridge
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

FILE NO: 105-30-G-13
 DRAWING NO: Kelley 1H Plat As-Dilled
 SCALE: 1" = 100'
 MINIMUM DEGREE OF ACCURACY: 2 meter
 PROVEN SOURCE OF ELEVATION: WVDOT Bridgeport, WV