

APPROVED

WR-35
Rev. 8/23/13

NAME: [Signature]

DATE: 11/1/17

State of West Virginia

Page ___ of ___

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Office of Oil and Gas

OCT 12 2017

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

WV Department of
Environmental Protection

API 47 - 017 - 06335 County Doddridge District Greenbrier
Quad Smithburg, New Milton & Big Isaac 7.5' Pad Name Susie Jane Pad Field/Pool Name ---
Farm name John S. Jr. & Jacquelin S. Trent Well Number Chumley 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 4345016.325m Easting 531749.210m
Landing Point of Curve Northing 4344961.551m Easting 532101.064m
Bottom Hole Northing 4343315.751m Easting 532632.43m

Elevation (ft) 1251' 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 09/24/2013 Date drilling commenced 07/03/2014 Date drilling ceased 11/05/2014
Date completion activities began 12/24/2014 Date completion activities ceased 02/01/2017
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 - 06335 Farm name John S. Jr. & Jacquelin S. Trent Well number Chumley 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" | 90' | New | 94#, K-55 | N/A | Y |
| Surface | 17-1/2" | 13-3/8" | 355' | New | 48#, H-40 | N/A | Y |
| Coal | | | | | | | |
| Intermediate 1 | 12-1/4" | 9-5/8" | 2545' | New | 36#, J-55 | N/A | Y |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | 8-3/4"/8-1/2" | 5-1/2" | 13650' | New | 20#, P-110 | N/A | Y |
| Tubing | | 2-3/8" | 7659' | | 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 | 414 sx | 15.6 | 1.18 | 489 | 0' | 8 Hrs. |
| Coal | | | | | | | |
| Intermediate 1 | Class A | 998 sx | 15.6 | 1.18 | 1178 | 0' | 8 Hrs. |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | Class H | 1056 sx (Lead) 1053 sx (Tail) | 14.5 (Lead), 15.2 (Tail) | 1.3 (Lead), 1.86 (Tail) | 3344 | -500' into Intermediate Casing | 8 Hrs. |
| Tubing | | | | | | | |

Drillers TD (ft) 13650' MD, 7323' TVD (BHL) & 7364' TVD (Deepest Point Drilled) Loggers TD (ft) 13603' 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

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- 017 . 06335 Farm name John S. Jr. & Jacquelin S. Trent Well number Chumley Unit 2H

| PRODUCING FORMATION(S) | DEPTHS | |
|------------------------|------------------------|-----------------------|
| <u>Marcellus</u> | <u>7315' (TOP)</u> TVD | <u>7795' (TOP)</u> 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 14311 mcfpd Oil 0.15 bpd NGL --- bpd Water 8 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) |
|-------------------------|--------------------------------|------------------------------|--------------------------|-----------------------------|--|
|-------------------------|--------------------------------|------------------------------|--------------------------|-----------------------------|--|

***PLEASE SEE ATTACHED EXHIBIT 3**

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
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| | | | | | |
| | | | | | |

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  Title Permitting Agent Date 10/11/2017

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

11/10/2017

EXHIBIT 1

| Stage No. | Perforation Date | Perforated from MD ft. | Perforated to MD ft. | Number of Perforations | Formations |
|-----------|------------------|------------------------|----------------------|------------------------|------------|
| 1 | 12/24/2014 | 13394 | 13562 | 60 | Marcellus |
| 2 | 12/3/2016 | 13196 | 13363 | 60 | Marcellus |
| 3 | 12/4/2016 | 12998 | 13165 | 60 | Marcellus |
| 4 | 12/4/2016 | 12799 | 12967 | 60 | Marcellus |
| 5 | 12/5/2016 | 12601 | 12768 | 60 | Marcellus |
| 6 | 12/6/2016 | 12403 | 12570 | 60 | Marcellus |
| 7 | 12/6/2016 | 12204 | 12371 | 60 | Marcellus |
| 8 | 12/7/2016 | 12006 | 12173 | 60 | Marcellus |
| 9 | 12/7/2016 | 11807 | 11975 | 60 | Marcellus |
| 10 | 12/8/2016 | 11609 | 11776 | 60 | Marcellus |
| 11 | 12/8/2016 | 11411 | 11578 | 60 | Marcellus |
| 12 | 12/9/2016 | 11212 | 11380 | 60 | Marcellus |
| 13 | 12/9/2016 | 11014 | 11181 | 60 | Marcellus |
| 14 | 12/10/2016 | 10816 | 10983 | 60 | Marcellus |
| 15 | 12/12/2016 | 10617 | 10785 | 60 | Marcellus |
| 16 | 12/11/2016 | 10419 | 10586 | 60 | Marcellus |
| 17 | 12/12/2016 | 10221 | 10388 | 60 | Marcellus |
| 18 | 12/12/2016 | 10022 | 10189 | 60 | Marcellus |
| 19 | 12/13/2016 | 9824 | 9991 | 60 | Marcellus |
| 20 | 12/13/2016 | 9625 | 9793 | 60 | Marcellus |
| 21 | 12/13/2016 | 9427 | 9594 | 60 | Marcellus |
| 22 | 12/15/2016 | 9229 | 9396 | 60 | Marcellus |
| 23 | 12/15/2016 | 9030 | 9198 | 60 | Marcellus |
| 24 | 12/16/2016 | 8832 | 8999 | 60 | Marcellus |
| 25 | 12/17/2016 | 8634 | 8801 | 60 | Marcellus |
| 26 | 12/18/2016 | 8435 | 8603 | 60 | Marcellus |
| 27 | 12/18/2016 | 8237 | 8404 | 60 | Marcellus |
| 28 | 12/19/2016 | 8039 | 8206 | 60 | Marcellus |
| 29 | 12/20/2016 | 7840 | 8008 | 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 | 12/2/2016 | 72.8 | 7491 | 6018 | 5051 | 511746 | 13375 | N/A |
| 2 | 12/3/2016 | 78.3 | 7509 | 6209 | 5461 | 506922 | 11018 | N/A |
| 3 | 12/4/2016 | 76.6 | 7426 | 6720 | 4910 | 504818 | 10844 | N/A |
| 4 | 12/4/2016 | 75.7 | 7282 | 6058 | 4955 | 504782 | 10749 | N/A |
| 5 | 12/5/2016 | 77.0 | 7550 | 6422 | 4957 | 507190 | 10705 | N/A |
| 6 | 12/6/2016 | 78.8 | 7505 | 6301 | 4815 | 506126 | 10821 | N/A |
| 7 | 12/6/2016 | 76.8 | 7276 | 5748 | 4861 | 508561 | 10753 | N/A |
| 8 | 12/7/2016 | 78.7 | 7323 | 5835 | 4959 | 499145 | 10660 | N/A |
| 9 | 12/7/2016 | 73.6 | 7210 | 6437 | 5205 | 506458 | 10627 | N/A |
| 10 | 12/8/2016 | 77.0 | 7253 | 5871 | 5120 | 504986 | 10620 | N/A |
| 11 | 12/8/2016 | 78.0 | 7469 | 5788 | 5614 | 507479 | 10902 | N/A |
| 12 | 12/9/2016 | 76.7 | 7340 | 5778 | 5262 | 504529 | 10628 | N/A |
| 13 | 12/9/2016 | 74.2 | 7223 | 5885 | 5048 | 508361 | 11630 | N/A |
| 14 | 12/10/2016 | 78.1 | 7211 | 5455 | 5352 | 506896 | 10596 | N/A |
| 15 | 12/12/2016 | 79.4 | 7278 | 5447 | 5253 | 509033 | 10854 | N/A |
| 16 | 12/11/2016 | 77.1 | 7255 | 5432 | 4873 | 505857 | 11451 | N/A |
| 17 | 12/12/2016 | 78.7 | 7276 | 5502 | 4759 | 503949 | 10597 | N/A |
| 18 | 12/12/2016 | 78.9 | 7145 | 5692 | 5091 | 487633 | 11182 | N/A |
| 19 | 12/13/2016 | 50.8 | 7298 | 5580 | 5465 | 474297 | 12047 | N/A |
| 20 | 12/13/2016 | 78.0 | 7250 | 5435 | 5215 | 507449 | 10582 | N/A |
| 21 | 12/13/2016 | 78.5 | 6954 | 5434 | 5116 | 497240 | 10695 | N/A |
| 22 | 12/15/2016 | 76.0 | 7058 | 5487 | 5008 | 500550 | 10612 | N/A |
| 23 | 12/15/2016 | 79.2 | 6942 | 5294 | 4962 | 508991 | 10616 | N/A |
| 24 | 12/16/2016 | 79.1 | 7117 | 5460 | 5448 | 484758 | 10466 | N/A |
| 25 | 12/17/2016 | 77.5 | 6292 | 5596 | 5150 | 504816 | 10413 | N/A |
| 26 | 12/18/2016 | 75.3 | 6956 | 5602 | 5439 | 504990 | 10511 | N/A |
| 27 | 12/18/2016 | 70.1 | 7432 | 5616 | 4824 | 504517 | 14330 | N/A |
| 28 | 12/19/2016 | 80.5 | 7052 | 5419 | 4202 | 503533 | 11743 | N/A |
| 29 | 12/20/2016 | 76.7 | 6812 | 5741 | 4750 | 503798 | 10451 | N/A |
| AVG= | | 76.1 | 7213 | 5,768 | 5,073 | 14,589,410 | 320,478 | 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 | 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 | 1,287 | est. 957 | 1287 |
| Sandstone | est. 1287 | 1,437 | est. 1287 | 1437 |
| Limey Shale | est. 1437 | 1,677 | est. 1437 | 1677 |
| Silty Sandstone | est. 1677 | 2,037 | est. 1677 | 2037 |
| Sandy Siltstone | est. 2037 | 2,247 | est. 2037 | 2247 |
| Limey Shale | est. 2247 | 2,309 | est. 2247 | 2309 |
| Big Lime | 2309 | 2,693 | 2309 | 2694 |
| Gantz Sand | 2693 | 2,900 | 2694 | 2901 |
| Fifty Foot Sandstone | 2900 | 3,078 | 2901 | 3079 |
| Gordon | 3078 | 3,434 | 3079 | 3435 |
| Fifth Sandstone | 3434 | 3,501 | 3435 | 3502 |
| Bayard | 3501 | 4,020 | 3502 | 4021 |
| Speechley | 4020 | 4,217 | 4021 | 4218 |
| Baltown | 4217 | 4,886 | 4218 | 4887 |
| Bradford | 4886 | 5,292 | 4887 | 5293 |
| Benson | 5292 | 5,550 | 5293 | 5551 |
| Alexander | 5550 | 5,797 | 5551 | 5798 |
| Elk | 5797 | 6,320 | 5798 | 6321 |
| Rhinestreet | 6320 | 6,840 | 6321 | 7036 |
| Sycamore | 6840 | 7,009 | 7036 | 7234 |
| Middlesex | 7009 | 7,153 | 7234 | 7423 |
| Burkett | 7153 | 7,187 | 7423 | 7475 |
| Tully | 7187 | 7,315 | 7475 | 7795 |
| Marcellus | 7315 | NA | 7795 | 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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

| | |
|--------------------------------|------------------------------|
| Job Start Date: | 12/2/2016 |
| Job End Date: | 12/20/2016 |
| State: | West Virginia |
| County: | Doddridge |
| API Number: | 47-017-06335-00-00 |
| Operator Name: | Antero Resources Corporation |
| Well Name and Number: | Chumley 2H |
| Latitude: | 39.25380556 |
| Longitude: | -80.63220278 |
| Datum: | NAD27 |
| Federal Well: | NO |
| Indian Well: | NO |
| True Vertical Depth: | 7,364 |
| Total Base Water Volume (gal): | 13,725,100 |
| 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 | 88.45292 | Density = 8.340 |
| Ingredients | Listed Above | Listed Above | | | | | |
| | | | Water | 7732-18-5 | 100.00000 | 0.25685 | |

| | | | | | | | |
|---|-------------|-----------------|--|--------------|--|--|--|
| MC B-8614 | Halliburton | Biocide | | | | | |
| | | | | Listed Below | | | |
| WG-36 GELLING AGENT | Halliburton | Gelling Agent | | | | | |
| | | | | Listed Below | | | |
| SAND-PREMIUM WHITE-40/70, BULK | Halliburton | Proppant | | | | | |
| | | | | Listed Below | | | |
| SP BREAKER | Halliburton | Breaker | | | | | |
| | | | | Listed Below | | | |
| MURIATIC ACID | Halliburton | Solvent | | | | | |
| | | | | Listed Below | | | |
| MC S-2510T | Halliburton | Scale Inhibitor | | | | | |
| | | | | Listed Below | | | |
| SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676) | Halliburton | Proppant | | | | | |
| | | | | Listed Below | | | |
| CALCIUM CHLORIDE - FLAKE | Halliburton | Additive | | | | | |

| | | | | | | | |
|--|-------------|------------------|--|--------------|-----------|----------|--|
| | | | | Listed Below | | | |
| FR-76 | Halliburton | Friction Reducer | | | | | |
| | | | | 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 | 11.25107 | |
| | | | Hydrochloric acid | 7647-01-0 | 15.00000 | 0.03114 | |
| | | | Acrylamide acrylate copolymer | Proprietary | 30.00000 | 0.01666 | Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226 |
| | | | Inorganic salt | Proprietary | 30.00000 | 0.01666 | |
| | | | Hydrotreated light petroleum distillate | 64742-47-8 | 30.00000 | 0.01666 | |
| | | | Guar gum | 9000-30-0 | 100.00000 | 0.00881 | |
| | | | Ethylene Glycol | 107-21-1 | 60.00000 | 0.00833 | |
| | | | Glutaraldehyde | 111-30-8 | 30.00000 | 0.00265 | |
| | | | Neutralized Polyacrylic Emulsion | Proprietary | 10.00000 | 0.00139 | |
| | | | Calcium chloride | 10043-52-4 | 100.00000 | 0.00097 | |
| | | | Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides | 68424-85-1 | 5.00000 | 0.00044 | |
| | | | Sodium persulfate | 7775-27-1 | 100.00000 | 0.00039 | |
| | | | Ethanol | 64-17-5 | 1.00000 | 0.00009 | |
| | | | Potassium chloride | 7447-40-7 | 5.00000 | 0.00005 | |
| | | | Strontium chloride | 10476-85-4 | 5.00000 | 0.00005 | |
| | | | Sodium chloride | 7647-14-5 | 2.00000 | 0.00002 | |
| | | | Methanol | 67-56-1 | 0.14000 | 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)

11,017' to Bottom Hole

2,213' to Top Hole

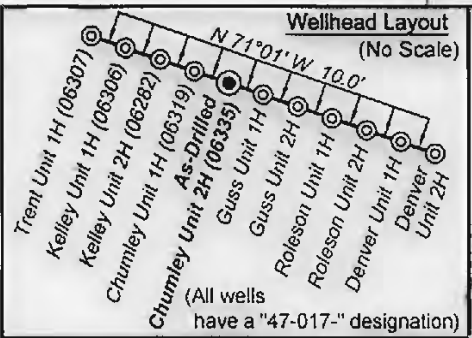
TOP HOLE LATITUDE 39 - 17 - 30
BTM HOLE LATITUDE 39 - 15 - 00

TOP HOLE LONGITUDE 80 - 37 - 30
BTM HOLE LONGITUDE 80 - 35 - 00

13,763' to Top Hole

**Antero Resources
Well No. Chumley Unit 2H
As-Drilled Plat
Antero Resources
Corporation**

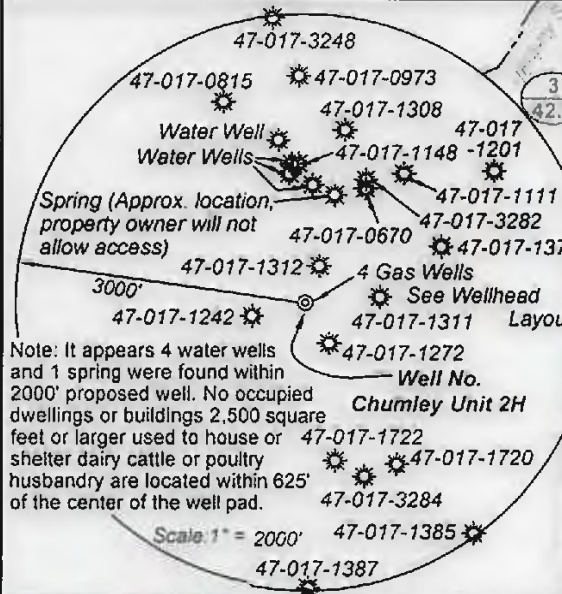
| Par. | Tax Map 3 Owner | DB/Pg. | Acres |
|------|-----------------|--------------------|---------------|
| 1 | 42 | Jeremy S. Trent | 254/21 34.16 |
| 2 | 22.2 | Sharon M. Davis | 198/595 5.09 |
| 3 | 22.7 | Linda Burnside | 198/607 7.62 |
| 4 | 22.6 | Eugene Errol Lloyd | 198/604 2.65 |
| 5 | 22.5 | Eugene Errol Lloyd | 286/360 2.80 |
| 6 | 22.4 | Eugene Errol Lloyd | 286/360 2.02 |
| 7 | 22 | Eugene Errol Lloyd | 286/360 12.80 |



Demetrius Travis
243/566 25 Acres

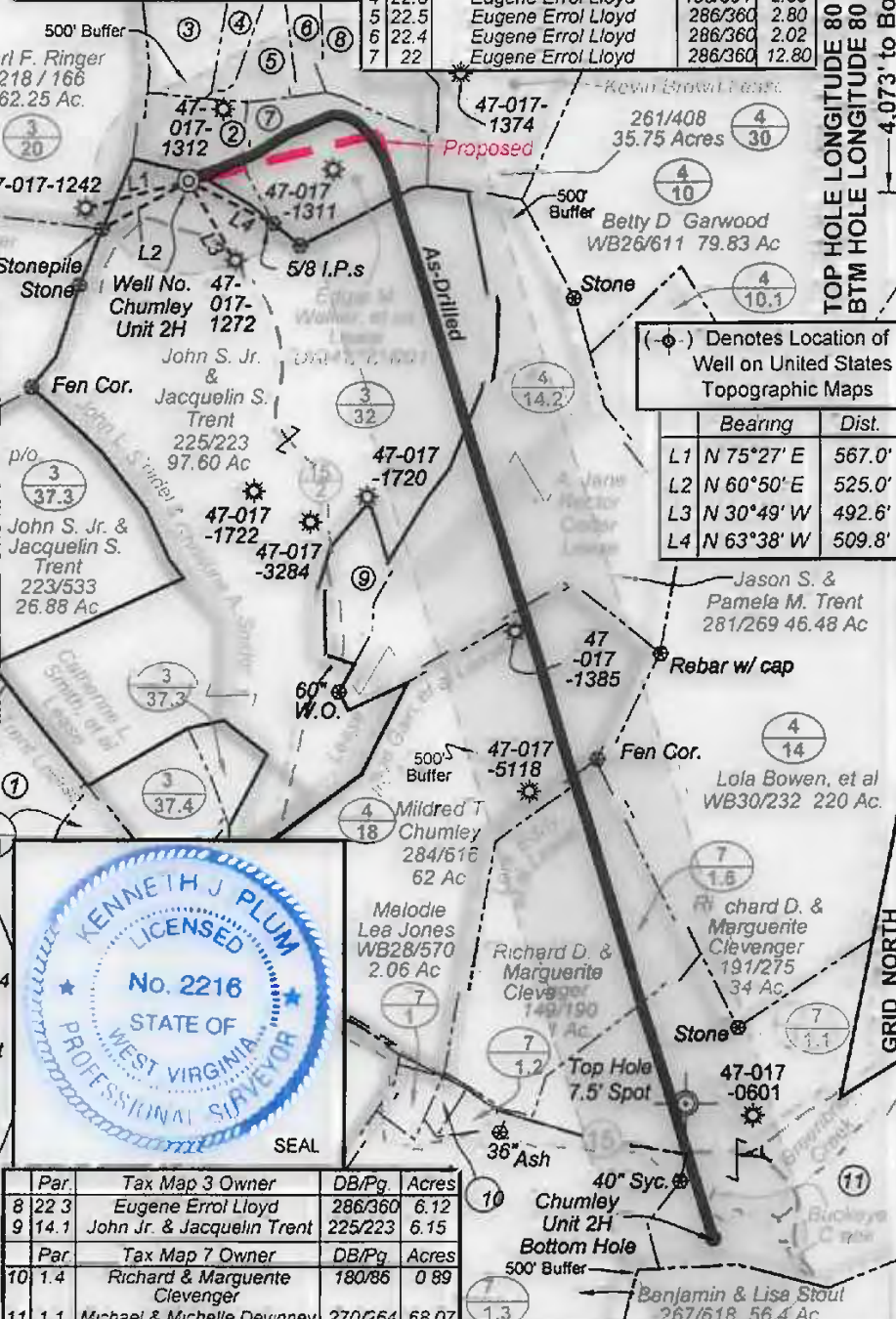
Carl F. Ringer
218 / 166 27.25 Ac

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Chumley Unit 2H Top Hole coordinates are
N: 276,571.33' Latitude: 39°15'13.70"
E: 1,679,384.63' Longitude: 80°37'55.94"
Bottom Hole coordinates are
N: 270,942.47' Latitude: 39°14'18.41"
E: 1,682,189.86' Longitude: 80°37'19.39"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,345,016.325m N: 4,343,315.751m
E: 531,749.210m E: 532,632.43m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.



Note: It appears 4 water wells and 1 spring were found within 2000' proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Scale: 1" = 2000'



| Par. | Tax Map 3 Owner | DB/Pg. | Acres |
|------|-----------------|----------------------------|--------------|
| 8 | 22.3 | Eugene Errol Lloyd | 286/360 6.12 |
| 9 | 14.1 | John Jr. & Jacquelin Trent | 225/223 6.15 |

| Par. | Tax Map 7 Owner | DB/Pg. | Acres |
|------|-----------------|--------------------------------|---------------|
| 10 | 1.4 | Richard & Marguerite Clevenger | 180/86 0.89 |
| 11 | 1.1 | Michael & Michelle Devinney | 270/264 68.07 |



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, P.S. 2216

Top Hole coordinates verified by survey grade GPS. As-drilled data and information was provided by Antero Resources Corporation. Allegheeny 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.

Legend

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

FILE NO: 114-30-G-13
DRAWING NO: Chumley 2H Well Plat As-Drilled
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. Chumley Unit 2H
API WELL NO
47 017 06335
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: Existing Grade - 1251' Original Grade - 1289' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: New Milton & Big Isaac
DISTRICT: Greenbrier COUNTY: Doddridge

SURFACE OWNER: John S. Jr. & Jacquelin S. Trent A. Jane Rector Coder; Irene Gain, et al; Lora Eddy, et al. ACREAGE: 97.60 82; 33.58;
ROYALTY OWNER: John L. Snider & Christine A. Snider, Edgar M. Walker, et ux LEASE NO: DAD42121/001 ACREAGE: 98.9; 65; 166.25

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: 7,323' TVD 13,650' 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

