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WV GEOLOGICAL SURVEY MORGANTOWN, WV

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

API 47 - 017 - 06470 County Doddridge District Greenbrier
Quad New Milton 7.5' Pad Name Trent Pad Field/Pool Name ----
Farm name Trent, Clarence, Jr., et al Well Number Life Unit 1H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop St. 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 4340083m Easting 532023m
Landing Point of Curve Northing 4340280.71m Easting 531919.43m
Bottom Hole Northing 4343172m Easting 530992m

Elevation (ft) 1409' 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 3/19/2014 Date drilling commenced 5/2/2014 Date drilling ceased 8/16/2014
Date completion activities began 11/19/2014 Date completion activities ceased 3/20/2015
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 77', 112' 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 by: _____

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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	30"	20"	40'	New	133# J-55	N/A	Y
Surface	17- 1/2"	13- 3/8"	365'	New	48# H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2549'	New	36# K-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5-1/2"	17840'	New	23# P-110	N/A	Y
Tubing		2-3/8"	7523'		4.7# N-80	N/A	
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 ²)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	100 sx	15.6	1.18	38	0'	8 Hrs.
Surface	Class A	442 sx	15.6	1.18	254	0'	8 Hrs.
Coal							
Intermediate 1	Class A	994 sx	15.6	1.18	798	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	1180 sx (Lead) 1589 sx (Tail)	14.5 Lead 15.2 Tail	1.3 Lead 1.86 Tail	3618	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 17840' MD, 7437' TVD (BHL); 7461' TVD (Deepest point drilled) Loggers TD (ft) 17840'

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

Plug back procedure N/A

Kick off depth (ft) 6911'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Bowen Unit 2H API #47-017-06167). Please reference the wireline logs submitted with Form WR-35 for Bowen 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 _____

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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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PRODUCING FORMATION(S)	DEPTHS		
Marcellus	7404 (TOP)	TVD	7598' (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 9324 mcfpd Oil 3 bpd NGL --- bpd Water 2 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)
	0		0		

***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.


Drilling Contractor Precision Drilling Company, LP
Address 2640 Reach Rd. City Williamsport State PA Zip 17701

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 US Well Services
Address 533 Industrial Park Dr. City Jane Lew State WV Zip 26378

Please insert additional pages as applicable.

Completed by Kara Quackenbush Telephone 303-357-7233
Signature  Title Permit Representative Date 8/10/2015

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	19-Nov-14	17,581	17,749	60	Marcellus
2	4-Jan-15	17,382	17,550	60	Marcellus
3	4-Jan-15	17,183	17,351	60	Marcellus
4	5-Jan-15	16,984	17,152	60	Marcellus
5	5-Jan-15	16,785	16,953	60	Marcellus
6	5-Jan-15	16,586	16,754	60	Marcellus
7	6-Jan-15	16,388	16,555	60	Marcellus
8	6-Jan-15	16,189	16,356	60	Marcellus
9	6-Jan-15	15,990	16,158	60	Marcellus
10	9-Jan-15	15,791	15,959	60	Marcellus
11	11-Jan-15	15,592	15,760	60	Marcellus
12	11-Jan-15	15,393	15,561	60	Marcellus
13	11-Jan-15	15,194	15,362	60	Marcellus
14	12-Jan-15	14,995	15,163	60	Marcellus
15	12-Jan-15	14,797	14,964	60	Marcellus
16	12-Jan-15	14,598	14,765	60	Marcellus
17	13-Jan-15	14,399	14,566	60	Marcellus
18	13-Jan-15	14,200	14,368	60	Marcellus
19	14-Jan-15	14,001	14,169	60	Marcellus
20	14-Jan-15	13,802	13,970	60	Marcellus
21	14-Jan-15	13,603	13,771	60	Marcellus
22	3-Feb-15	13,404	13,572	60	Marcellus
23	3-Feb-15	13,205	13,373	60	Marcellus
24	4-Feb-15	13,007	13,174	60	Marcellus
25	4-Feb-15	12,808	12,975	60	Marcellus
26	5-Feb-15	12,609	12,777	60	Marcellus
27	5-Feb-15	12,410	12,578	60	Marcellus
28	5-Feb-15	12,211	12,379	60	Marcellus
29	5-Feb-15	12,012	12,180	60	Marcellus
30	6-Feb-15	11,813	11,981	60	Marcellus
31	7-Feb-15	11,614	11,782	60	Marcellus
32	7-Feb-15	11,416	11,583	60	Marcellus
33	7-Feb-15	11,217	11,384	60	Marcellus
34	8-Feb-15	11,018	11,185	60	Marcellus
35	8-Feb-15	10,819	10,987	60	Marcellus
36	8-Feb-15	10,620	10,788	60	Marcellus
37	8-Feb-15	10,421	10,589	60	Marcellus
38	9-Feb-15	10,222	10,390	60	Marcellus
39	9-Feb-15	10,023	10,191	60	Marcellus
40	9-Feb-15	9,824	9,992	60	Marcellus
41	9-Feb-15	9,626	9,793	60	Marcellus
42	9-Feb-15	9,427	9,594	60	Marcellus
43	10-Feb-15	9,228	9,396	60	Marcellus
44	10-Feb-15	9,029	9,197	60	Marcellus
45	10-Feb-15	8,830	8,998	60	Marcellus
46	10-Feb-15	8,631	8,799	60	Marcellus
47	11-Feb-15	8,432	8,600	60	Marcellus
48	11-Feb-15	8,233	8,401	60	Marcellus
49	11-Feb-15	8,035	8,202	60	Marcellus
50	11-Feb-15	7,836	8,003	60	Marcellus
51	12-Feb-15	7,637	7,804	60	Marcellus

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API 47-017-06470 Farm Name Trent, Clarence, Jr., et al Well Number Life Unit 1H

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-Jan-15	58.4	7,580	6,680	4,406	221,890	7,008	N/A
2	4-Jan-15	54.0	7,838	6,523	5,507	115,750	6,798	N/A
3	4-Jan-15	63.0	7,624	6,216	5,103	174,500	7,241	N/A
4	5-Jan-15	58.4	7,706	5,876	4,753	159,720	6,947	N/A
5	5-Jan-15	59.6	7,399	5,243	5,447	239,820	6,625	N/A
6	5-Jan-15	64.3	7,505	6,144	5,507	217,575	7,229	N/A
7	6-Jan-15	61.5	7,282	5,677	5,021	237,950	6,553	N/A
8	6-Jan-15	63.9	7,440	5,733	6,194	236,090	6,525	N/A
9	6-Jan-15	64.7	7,516	5,836	5,243	241,560	6,683	N/A
10	9-Jan-15	56.1	7,321	5,686	4,835	241,620	6,582	N/A
11	11-Jan-15	61.2	7,360	5,786	4,466	239,160	6,486	N/A
12	11-Jan-15	65.2	7,301	5,504	5,051	241,890	6,466	N/A
13	11-Jan-15	65.0	7,340	5,572	5,393	243,000	6,461	N/A
14	12-Jan-15	66.0	7,195	5,543	5,175	243,100	6,483	N/A
15	12-Jan-15	62.0	7,231	5,761	4,896	242,220	6,500	N/A
16	12-Jan-15	64.0	7,262	5,697	5,153	242,660	6,402	N/A
17	13-Jan-15	63.0	7,637	5,877	5,161	244,750	6,430	N/A
18	13-Jan-15	64.6	7,324	5,783	5,629	243,850	6,374	N/A
19	14-Jan-15	64.6	7,383	5,733	5,286	216,925	6,954	N/A
20	14-Jan-15	65.7	7,249	5,819	5,676	241,400	6,303	N/A
21	14-Jan-15	63.1	7,206	5,647	5,482	242,500	6,321	N/A
22	3-Feb-15	62.0	7,279	N/A	5,010	244,750	6,459	N/A
23	3-Feb-15	61.0	7,167	5,937	4,892	244,550	6,367	N/A
24	4-Feb-15	60.1	7,109	5,397	5,461	244,500	6,320	N/A
25	4-Feb-15	62.2	7,128	5,479	6,487	243,980	6,542	N/A
26	5-Feb-15	63.0	6,946	5,486	5,479	242,500	6,238	N/A
27	5-Feb-15	63.1	6,997	5,493	6,956	244,040	6,219	N/A
28	5-Feb-15	64.2	7,021	5,440	6,280	243,970	6,201	N/A
29	5-Feb-15	65.0	7,040	5,693	5,350	242,100	6,184	N/A
30	6-Feb-15	64.0	7,155	5,511	4,735	243,420	6,716	N/A
31	7-Feb-15	62.9	6,823	5,275	6,645	244,105	6,235	N/A
32	7-Feb-15	63.1	6,746	5,393	6,073	243,550	6,155	N/A
33	7-Feb-15	64.0	6,906	5,325	5,586	243,150	6,115	N/A
34	8-Feb-15	65.0	6,803	5,590	5,883	244,920	6,102	N/A
35	8-Feb-15	64.2	6,786	5,525	6,455	243,675	6,086	N/A
36	8-Feb-15	62.3	6,782	5,465	6,359	236,550	6,046	N/A
37	8-Feb-15	64.0	6,759	5,408	5,759	244,020	6,047	N/A
38	9-Feb-15	65.0	6,600	5,375	5,744	243,920	6,033	N/A
39	9-Feb-15	64.6	6,683	5,300	5,318	243,360	6,025	N/A
40	9-Feb-15	63.5	6,871	5,672	5,100	243,570	6,001	N/A
41	9-Feb-15	63.0	6,727	5,447	5,701	190,190	6,137	N/A
42	9-Feb-15	64.0	6,765	5,665	5,940	243,550	6,032	N/A
43	10-Feb-15	64.3	6,957	5,565	4,953	244,610	6,371	N/A
44	10-Feb-15	63.2	6,714	5,389	5,114	244,050	5,934	N/A
45	10-Feb-15	64.0	6,678	5,366	5,883	243,820	5,928	N/A
46	10-Feb-15	64.0	6,689	5,475	5,633	207,820	5,680	N/A
47	11-Feb-15	64.0	6,829	5,364	4,710	242,190	5,988	N/A
48	11-Feb-15	64.2	6,881	5,554	5,243	243,350	5,882	N/A
49	11-Feb-15	64.6	6,975	5,525	5,440	245,880	5,944	N/A
50	11-Feb-15	65.0	6,678	5,547	6,248	237,720	6,032	N/A
51	12-Feb-15	65.0	6,677	5,465	5,915	242,635	6,035	N/A
AVG=		63.1	7,095	5,629	5,485	11,938,375	323,425	TOTAL

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API 47-017-06470 Farm Name Trent, Clarence, Jr., et al Well Number Life Unit 1H

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	77'	N/A	77'	N/A
Fresh Water	112'	N/A	112'	N/A
Sandstone	0	77	0	77
Shale	est. 77	632	est. 77	632
Sandstone	est. 632	697	est. 632	697
Shale and Limestone	est. 697	877	est. 697	877
Sandstone	est. 877	907	est. 877	907
Shale	est. 907	1037	est. 907	1037
Sandstone and Coal	est. 1037	1087	est. 1037	1087
Shale	est. 1087	1237	est. 1087	1237
Sandstone	est. 1237	1267	est. 1237	1267
Shale	est. 1267	1767	est. 1267	1767
Sandstone	est. 1767	1897	est. 1767	1897
Shale	est. 1897	1957	est. 1897	1957
Sandstone and Coal	est. 1957	1987	est. 1957	1987
Shale	est. 1987	2077	est. 1987	2077
Sandstone	est. 2077	2147	est. 2077	2147
Shale	est. 2147	2439	est. 2147	2442
Big Lime	2439	2567	2442	2570
Big Injun	2567	2805	2570	2808
Gantz Sand	2805	2885	2808	2888
Fifty Foot Sandstone	2885	3098	2888	3101
Gordon	3098	3386	3101	3389
Fifth Sandstone	3386	3449	3389	3452
Bayard	3449	3786	3452	3789
Warren	3786	4106	3789	4109
Speechley	4106	4284	4109	4287
Baltown	4284	4863	4287	4866
Bradford	4863	5409	4866	5412
Benson	5409	5664	5412	5667
Alexander	5664	5897	5667	5900
Elk	5897	6383	5900	6386
Rhinestreet	6383	6938	6386	6941
Sycamore	6938	7105	6941	7115
Middlesex	7105	7256	7115	7300
Burkett	7256	7286	7300	7342
Tully	7286	7404	7342	7598
Marcellus	7404	NA	7598	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:	1/3/2015
Job End Date:	2/12/2015
State:	West Virginia
County:	Doddridge
API Number:	47-017-06470-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Life Unit 1H
Longitude:	-80.62908900
Latitude:	39.20943600
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	7,461
Total Base Water Volume (gal):	14,601,868
Total Base Non Water Volume:	622,860



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	Antero Resources	Base Fluid	Water	7732-18-5	100.00000	90.66483	
Sand	U.S. Well Services	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	8.88811	
HCL Acid (12.6%-18.0%)	U.S. Well Services	Bulk Acid	Water	7732-18-5	87.50000	0.15740	
LGC-15	U.S. Well Services	Gelling Agents	Hydrogen Chloride	7647-01-0	18.00000	0.03760	
WFRA-405	U.S. Well Services	Friction Reducer	Water	7732-18-5	40.00000	0.02768	
			Anionic Polyacrylamide	Proprietary	40.00000	0.02768	
			Petroleum Distillates	64742-47-8	40.00000	0.02228	
			Crystalline Salt	12125-02-9	5.00000	0.00346	
SI-1100	U.S. Well Services	Scale Inhibitor	Ethoxylated alcohol blend	Proprietary	5.00000	0.00346	

					7732-18-5			80.00000	0.00988
					107-21-1	Ethylene Glycol		40.00000	0.00558
					15827-60-8	Potassium salt of diethylene triamine penta (methylene phosphonic acid)		10.00000	0.00167
					37971-36-1	2-Phosphonobutane 1,2,4 tricarboxylic salt		10.00000	0.00159
					38820-59-6	hexamethylenediamine tetra (methylene phosphonic acid)		10.00000	0.00154
					26677-99-6	Copolymer of Maleic and Acrylic acid		10.00000	0.00146
					40623-75-4	bis (hexamethylene) triamine penta (methylene phosphonic acid) - phosphate acid		10.00000	0.00142
					52255-49-9	Acrylic polymer		5.00000	0.00062
K-BAC 1020	J.S. Well Services	Anti-Bacterial Agent			10222-01-2	2,2-dibromo-3-nitropropionamide		20.00000	0.00423
					7732-18-5	Deionized Water		28.00000	0.00241
AP One	J.S. Well Services	Gel Breakers			7727-54-0	Ammonium Persulfate		100.00000	0.00195
AI-301	J.S. Well Services	Acid Corrosion Inhibitors			111-46-6	Diethylene Glycol		30.00000	0.00012
					100-97-0	Methenamine		20.00000	0.00010
					68603-67-8	Polyethylene polyamine		10.00000	0.00004
					7647-01-0	Hydrogen Chloride		10.00000	0.00004
					61791-14-8	Coco amine		5.00000	0.00002
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.									

* Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

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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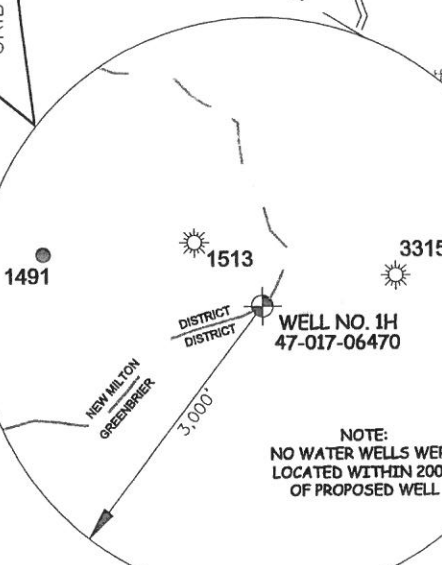
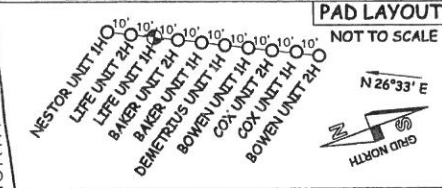
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WV GEOLOGICAL SURVEY
MORGANTOWN, WV

- 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.
 6. THE INTERIOR BOUNDARY LINES OF THE DAVID E. GADDIS ET AL TRACTS (TM 6 PARCELS 13, 13.1 & 13.2) SHOWN HEREON IN BOLD ARE BASED ON CURRENT DEEDS OF RECORD ONLY. THE SURFACE OWNER REFUSED ACCESS ONTO HIS PROPERTY TO OBTAIN THE NECESSARY INFORMATION TO VERIFY THE LOCATION OF THE BOUNDARY. THESE LINES ARE SHOWN FOR MAPPING PURPOSES ONLY.

PAD LAYOUT NOT TO SCALE

WV NORTH ZONE GRID NORTH



JOB # 13-072WA
 DRAWING # LIFE1HAD
 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

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

DATE 04/01/15

OPERATOR'S WELL# LIFE UNIT #1H
 API WELL # 47 - 017 - 06470
 STATE COUNTY PERMIT



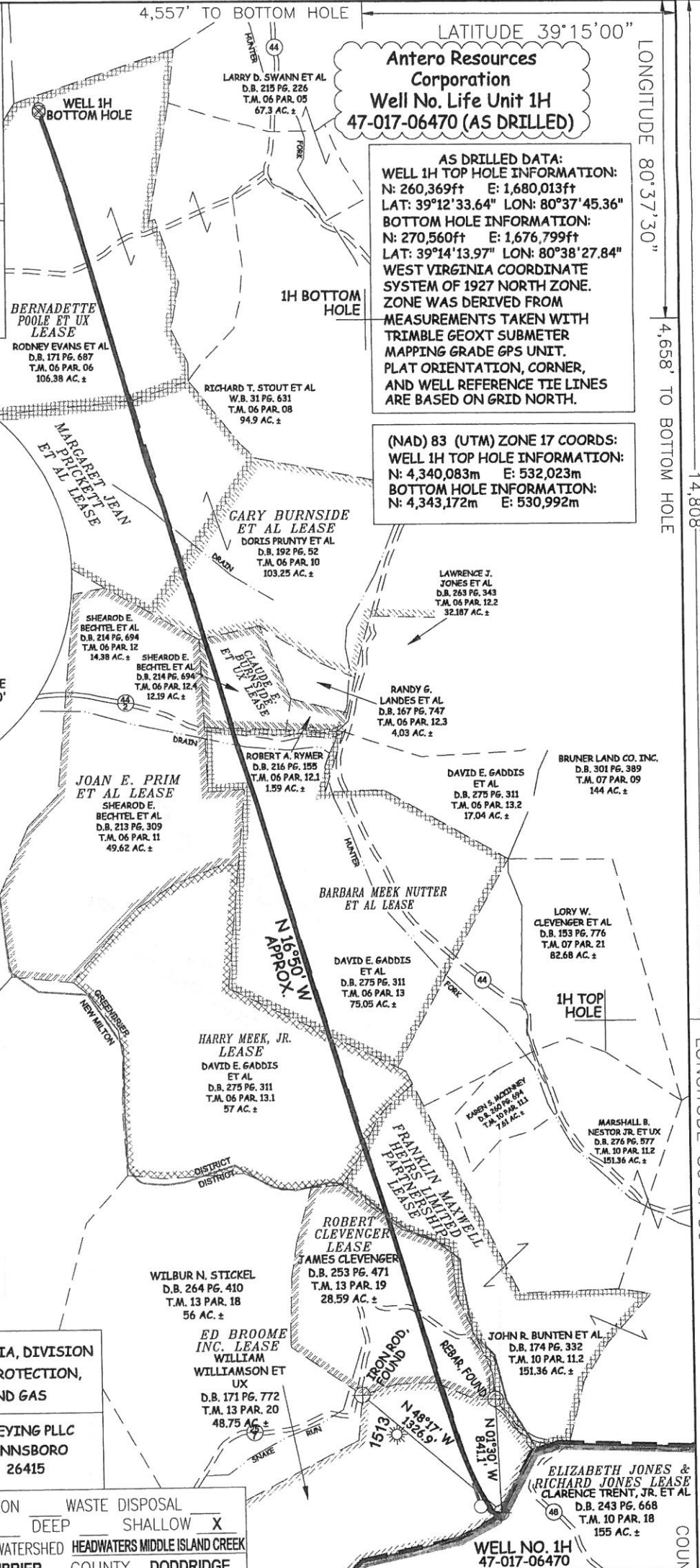
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW X
 LOCATION: ELEVATION 1,420' ORIGINAL - 1,409' AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE NEW MILTON 7.5' DISTRICT GREENBRIER COUNTY DODDRIDGE

SURFACE OWNER CLARENCE TRENT, JR. ET AL ACREAGE 155 ACRES +/-
 OIL & GAS ROYALTY OWNER ELIZABETH JONES & RICHARD JONES; ED BROOME INC.; ROBERT CLEVINGER; FRANKLIN MAXWELL HEIRS LIMITED PARTNERSHIP; HARRY MEEK, JR.; BARBARA MEEK NUTTER ET AL; CLAUDE E. BURNSIDE ET UX; GARY BURNSIDE ET AL; MARGARET JEAN PRICKETT ET AL; BERNADETTE POOLE ET UX LEASE ACREAGE 155 AC±; 48.75 AC±; 34.379 AC±; 44.8 AC±; 57 AC±; 75.05 AC±; 13.78 AC±; 64 AC±; 38.5 AC±; 106 AC±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) (X) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,437' TVD 17,840' MD

WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
DENVER, CO 80202 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313



Antero Resources Corporation
Well No. Life Unit 1H
47-017-06470 (AS DRILLED)

AS DRILLED DATA:
 WELL 1H TOP HOLE INFORMATION:
 N: 260,369ft E: 1,680,013ft
 LAT: 39°12'33.64" LON: 80°37'45.36"
 BOTTOM HOLE INFORMATION:
 N: 270,560ft E: 1,676,799ft
 LAT: 39°14'13.97" LON: 80°38'27.84"
 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: 4,340,083m E: 532,023m
 BOTTOM HOLE INFORMATION:
 N: 4,343,172m E: 530,992m