

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

API 47-095-02164 County Tyler District McElroy  
Quad Centerpoint 7.5' Pad Name Coastal 2 Pad Field/Pool Name ----  
Farm name Coastal Lumber Company Well Number Tabor 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 4364396m Easting 523592m  
Landing Point of Curve Northing 4363811.670m Easting 523730.164m  
Bottom Hole Northing 4361201m Easting 524579m

Elevation (ft) 1188' 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 05/19/2014 Date drilling commenced 06/22/2015 Date drilling ceased 11/08/2015  
Date completion activities began 09/18/2016 Date completion activities ceased 01/28/2017  
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 60', 180', 220' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 1723', 1893' Void(s) encountered (Y/N) depths No  
Coal depth(s) ft 1301', 1561', 1701' Cavern(s) encountered (Y/N) depths No

Is coal being mined in area (Y/N) No

**APPROVED**

Reviewed by:

NAME: Sen n Ho OFFICE OF OIL AND GAS JUL 28 2017  
DATE: 8-16-17

PH  
**09/15/2017**

API 47-095 - 02164 Farm name Coastal Lumber Company Well number Tabor Unit 1H

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"	40'	New	94#, K-55	N/A	Y
Surface	17-1/2"	13-3/8"	403'	New	48#, H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2534'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	17899'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	7183'		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 <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	100 sx	10.7	1.18	118	0'	8 Hrs.
Surface	Class A	473 sx	15.6	1.18	558	0'	8 Hrs.
Coal							
Intermediate 1	Class A	931 sx	15.6	1.18	1099	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	1091 sx (Lead) 1670 sx (Tail)	14.5 (Lead), 15.2 (Tail)	1.34 (Lead), 1.83 (Tail)	4518	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 17899' MD, 7140' TVD (BHL) & 7150' TVD (Deepest Point Drilled) Loggers TD (ft) 17849' MD  
 Deepest formation penetrated Marcellus Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 6572'

\*\* This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Tabor Unit 2H API #47-095-02165). Please reference the wireline logs submitted with Form WR-35 for Tabor 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- 095 - 02164 Farm name Coastal Lumber Company Well number Tabor Unit 1H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus	7048' (TOP) TVD	7305' (TOP) MD
Onondaga	7130' (TOP)	14425' (TOP)

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 3550 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 13857 mcfpd Oil 55 bpd NGL --- bpd Water 2 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP		BOTTOM		DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> 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 Precision Drilling Company, LP  
Address 2640 Reach Road City Williamsport State PA Zip 17701

Logging Company Allied Horizontal Well Services  
Address 381 Colonial Manor Rd. City North Huntington State PA Zip 15642

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

Stimulating Company CalFrac  
Address 533 Industrial Park Drive City Jane Lew State WV Zip 26378

Please insert additional pages as applicable.

Completed by Samantha Klaas Telephone 303-357-6759  
Signature *Samantha Klaas* Title Permitting Agent Date 07/27/2017

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

OFFICE OF OIL AND GAS REGULATION JUL 20 2017

09/15/2017

## EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	9/18/2016	17640	17785	60	Marcellus
2	10/8/2016	17438	17608	60	Marcellus
3	10/9/2016	17236	17407	60	Marcellus
4	10/9/2016	17034	17205	60	Marcellus
5	10/10/2016	16833	17003	60	Marcellus
6	10/11/2016	16631	16801	60	Marcellus
7	10/12/2016	16429	16599	60	Marcellus
8	10/12/2016	16227	16397	60	Marcellus
9	10/13/2016	16025	16195	60	Marcellus
10	10/13/2016	15823	15993	60	Marcellus
11	10/14/2016	15621	15791	60	Marcellus
12	10/15/2016	15419	15590	60	Marcellus
13	10/15/2016	15217	15388	60	Marcellus
14	10/16/2016	15016	15186	60	Marcellus
15	10/17/2016	14814	14984	60	Marcellus
16	10/17/2016	14612	14782	60	Marcellus
17	10/17/2016	14257	14424	60	Marcellus
18	10/19/2016	14059	14226	60	Marcellus
19	10/19/2016	13861	14028	60	Marcellus
20	10/20/2016	13663	13830	60	Marcellus
21	10/21/2016	13465	13632	60	Marcellus
22	10/21/2016	13267	13434	60	Marcellus
23	10/21/2016	13069	13236	60	Marcellus
24	10/23/2016	12871	13038	60	Marcellus
25	10/23/2016	12673	12840	60	Marcellus
26	10/24/2016	12475	12642	60	Marcellus
27	10/24/2016	12277	12444	60	Marcellus
28	10/25/2016	12079	12246	60	Marcellus
29	10/26/2016	11881	12048	60	Marcellus
30	10/27/2016	11683	11850	60	Marcellus
31	10/27/2016	11485	11652	60	Marcellus
32	10/28/2016	11287	11454	60	Marcellus
33	10/28/2016	11089	11256	60	Marcellus
34	10/29/2016	10891	11058	60	Marcellus
35	10/29/2016	10693	10860	60	Marcellus
36	10/30/2016	10495	10662	60	Marcellus
37	10/30/2016	10297	10464	60	Marcellus
38	10/31/2016	10099	10266	60	Marcellus
39	11/1/2016	9901	10068	60	Marcellus
40	11/1/2016	9703	9870	60	Marcellus
41	11/2/2016	9505	9672	60	Marcellus
42	11/2/2016	9307	9474	60	Marcellus
43	11/3/2016	9109	9276	60	Marcellus
44	11/3/2016	8911	9078	60	Marcellus
45	11/4/2016	8713	8880	60	Marcellus
46	11/4/2016	8515	8682	60	Marcellus
47	11/5/2016	8317	8484	60	Marcellus
48	11/5/2016	8119	8286	60	Marcellus
49	11/6/2016	7921	8088	60	Marcellus
50	11/6/2016	7723	7890	60	Marcellus
51	11/6/2016	7525	7692	60	Marcellus
52	11/7/2016	7344	7494	60	Marcellus

09/15/2017

## 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	10/7/2016	73.4	7760	7337	4798	406950	9258	N/A
2	10/8/2016	79.4	7876	6111	4831	410400	9190	N/A
3	10/9/2016	75.9	7861	5739	5290	404800	10136	N/A
4	10/9/2016	75.7	7828	5861	4494	408300	9249	N/A
5	10/10/2016	75.8	7887	5820	4712	408650	9117	N/A
6	10/11/2016	73.7	7856	5780	4676	408050	9163	N/A
7	10/12/2016	68.7	7580	5649	4257	407550	9142	N/A
8	10/12/2016	73.7	7504	5709	5015	407600	9114	N/A
9	10/13/2016	74.1	7555	5604	4962	408350	9126	N/A
10	10/13/2016	67.9	7350	5840	4968	408400	11844	N/A
11	10/14/2016	78.0	7953	5655	5777	389350	10184	N/A
12	10/15/2016	76.6	7677	5677	4518	409050	9099	N/A
13	10/15/2016	68.8	7448	5565	4743	408000	9070	N/A
14	10/16/2016	74.6	7621	5510	3753	408650	9114	N/A
15	10/17/2016	67.6	7370	5648	4170	408300	9150	N/A
16	10/17/2016	70.8	7410	6563	4978	409000	10156	N/A
17	10/17/2016	66.2	7058	5614	4600	407350	9055	N/A
18	10/19/2016	73.2	7664	5580	4455	408150	9004	N/A
19	10/19/2016	70.1	7329	5705	5132	402950	8953	N/A
20	10/20/2016	65.9	7562	5598	4243	407450	9091	N/A
21	10/21/2016	65.8	7114	5711	4287	408200	9181	N/A
22	10/21/2016	71.7	7092	5678	4979	408650	8955	N/A
23	10/21/2016	70.5	7329	5491	5890	383300	8681	N/A
24	10/23/2016	71.6	6849	5420	4751	408300	8983	N/A
25	10/23/2016	69.0	6904	5499	5386	407350	10001	N/A
26	10/24/2016	67.7	6747	5379	5215	403850	8857	N/A
27	10/24/2016	72.2	7029	5496	5804	408300	9060	N/A
28	10/25/2016	72.1	6895	5349	5303	409100	8979	N/A
29	10/26/2016	69.7	6844	5783	4872	408050	9119	N/A
30	10/27/2016	65.0	6621	5790	5404	408000	9285	N/A
31	10/27/2016	79.3	7411	5628	5220	408500	8934	N/A
32	10/28/2016	73.8	6932	5505	5318	407800	8875	N/A
33	10/28/2016	79.6	7299	5616	5370	409150	8893	N/A
34	10/29/2016	68.2	6860	5636	5557	407850	9059	N/A
35	10/29/2016	77.4	7538	5641	5186	408550	9142	N/A
36	10/30/2016	72.2	7366	5503	4261	407500	9058	N/A
37	10/30/2016	80.7	7294	5600	5244	408800	8897	N/A
38	10/31/2016	68.3	6823	5716	4569	407650	8999	N/A
39	11/1/2016	78.9	7458	5692	5088	410000	9028	N/A
40	11/1/2016	77.1	7227	5967	5337	407900	8951	N/A
41	11/2/2016	77.1	7227	5936	4997	407650	9109	N/A
42	11/2/2016	79.8	7390	5619	5535	409350	8884	N/A
43	11/3/2016	78.3	7184	5959	5579	408750	8819	N/A
44	11/3/2016	78.6	7217	5843	5117	413400	8922	N/A
45	11/4/2016	73.5	7449	6320	5114	408050	8869	N/A
46	11/4/2016	76.7	7450	5760	5401	409100	8938	N/A
47	11/5/2016	76.1	7281	5814	5208	408400	10573	N/A
48	11/5/2016	82.1	7460	5853	5594	410000	8799	N/A
49	11/6/2016	79.3	6978	5653	5146	408950	8843	N/A
50	11/6/2016	77.8	6909	5946	5478	408950	8835	N/A
51	11/6/2016	79.9	6901	5990	5627	410100	8805	N/A
52	11/7/2016	79.8	6699	6089	3810	409850	8913	N/A
<b>AVG=</b>		<b>73.8</b>	<b>7,306</b>	<b>5,759</b>	<b>5,000</b>	<b>408,100</b>	<b>9,182</b>	<b>TOTAL</b>

## 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	60'	N/A	60'	N/A
Fresh Water	180'	N/A	180'	N/A
Fresh Water	220'	N/A	220'	N/A
Shale and Sandstone	0	401	0	401
Shale	est. 401	741	est. 401	741
Limestone	est. 741	801	est. 741	801
Shale	est.801	921	est.801	921
Limestone	est. 921	941	est. 921	941
Shale	est. 941	981	est. 941	981
Sandstone	est. 981	1001	est. 981	1001
Shale	est. 1001	1121	est. 1001	1121
Sandstone	est. 1121	1141	est. 1121	1141
Shale	est. 1141	1301	est. 1141	1301
Coal	est. 1301	1321	est. 1301	1321
Shale	est. 1321	1341	est. 1321	1341
Sandstone	est. 1341	1381	est. 1341	1381
Shale and Coal	est. 1381	1441	est. 1381	1441
Sandstone	est. 1441	1501	est. 1441	1501
Shale and Siltstone	est. 1501	1561	est. 1501	1561
Coal	est. 1561	1581	est. 1561	1581
Sandstone and Limestone	est. 1581	1621	est. 1581	1621
Shale	est. 1621	1701	est. 1621	1701
Sandstone and Coal	est. 1701	1841	est. 1701	1841
Shale	est. 1841	2021	est. 1841	2021
Sandstone	est. 2021	2187	est. 2021	2189
Big Lime	2187	2325	2189	2327
Big Injun	2325	2774	2327	2776
Gantz Sand	2774	2916	2776	2918
Fifty Foot Sandstone	2916	2989	2918	2991
Gordon	2989	3278	2991	3280
Fifth Sandstone	3278	3302	3280	3304
Bayard	3302	3718	3304	3720
Warren	3718	4081	3720	4083
Speechley	4081	4376	4083	4378
Baltown	4376	4858	4378	4860
Bradford	4858	5336	4860	5338
Benson	5336	5590	5338	5592
Alexander	5590	5795	5592	5797
Elk	5795	5305	5797	6307
Rhinestreet	5305	6660	6307	6665
Sycamore	6660	6824	6665	6854
Middlesex	6824	6958	6854	7072
Burkett	6958	6985	7072	7130
Tully	6985	7048	7130	7305
Marcellus	7048	NA	7305	NA
Onondaga	7130	NA	14425	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:	10/7/2016
Job End Date:	11/7/2016
State:	West Virginia
County:	Tyler
API Number:	47-095-02164-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Tabor Unit 1H
Latitude:	39.42868900
Longitude:	-80.72605800
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,217
Total Base Water Volume (gal):	20,716,713
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	100.00000	88.90864	
DWP-844	CWS	Microbiocide					
				Listed Below			

OFFICE OF OIL AND GAS JUL 26 2017



DAP-902	CWS	Scale Inhibitor					
				Listed Below			
Sand (Proppant)	CWS	Propping Agent					
				Listed Below			
DAP-103	CWS	Iron Control					
				Listed Below			
Acetic Acid	CWS	Acid					
				Listed Below			
DWP-641	CWS	Friction Reducer					
				Listed Below			
DWP-975	CWS	Breaker					
				Listed Below			
DAP-925	CWS	Acid Corrosion Inhibitor					
				Listed Below			
DWP-111	CWS	Gel Slurry					
				Listed Below			
Other Chemical (s)	Listed Above	See Trade Name (s) List					

OFFICE OF OIL AND GAS JUL 28 2017

				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	10.84889	
			Hydrochloric acid	7647-01-0	37.00000	0.05026	
			Polymer	26100-47-0	45.00000	0.03522	
			Distillates (petroleum), hydrotreated middle	64742-46-7	60.00000	0.02983	
			Guar gum	9000-30-0	60.00000	0.02983	
			Paraffinic hydrocarbon solvent	64742-47-8	30.00000	0.02348	
			Calcite	471-34-1	1.00000	0.01933	
			Ammonium chloride	12125-02-9	11.00000	0.00861	
			Polyethylene glycol mixture	25322-68-3	54.50000	0.00632	
			2-Propenoic acid, homopolymer, sodium salt	9003-04-7	40.00000	0.00616	
			Illite	12173-60-3	1.00000	0.00453	
			Goethite	1310-14-1	0.10000	0.00444	
			Sorbitan monooleate	1338-43-8	4.00000	0.00313	
			Apatite	64476-38-6	0.10000	0.00260	
			Biotite	1302-27-8	0.10000	0.00260	
			Quaternary ammonium compounds, bis (hydrogenated tallow alkyl)dimethyl, salts with bentonite	68953-58-2	5.00000	0.00249	
			Polyethylene glycol monooleate	9004-96-0	3.00000	0.00235	
			2,2-Dibromo-3-Nitrilopropionamide	10222-01-2	20.00000	0.00232	
			Ilmenite	98072-94-7	0.10000	0.00168	
			Sorbitol tetraoleate	61723-83-9	2.00000	0.00157	
			1,2-Propanediol	57-55-6	10.00000	0.00154	
			Amines, tallow alkyl, ethoxylated	61791-26-2	1.00000	0.00078	

			Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether	37251-67-5	1.50000	0.00075	
			Ammonium Persulfate	7727-54-0	100.00000	0.00062	
			Citric acid	77-92-9	60.00000	0.00047	
			Sodium bromide	7647-15-6	4.00000	0.00046	
			Alcohols, C12-14, ethoxylated	84133-50-6	0.50000	0.00039	
			Dibromoacetonitrile	3252-43-5	3.00000	0.00035	
			Vinylidene chloride-methyl acrylate copolymer	25038-72-6	30.00000	0.00013	
			Acrylamide	79-06-1	0.10000	0.00008	
			Methanol	67-56-1	60.00000	0.00003	
			Hydrated magnesium silicate	14807-96-6	1.00000	0.00002	
			Modified thiourea polymer	68527-49-1	30.00000	0.00002	
			Alcohols, C14-15, ethoxylated	68951-67-7	30.00000	0.00002	
			Poly(tetrafluoroethylene)	9002-84-0	1.00000	0.00002	
			Fatty acids, tall-oil	61790-12-3	30.00000	0.00002	
			Sodium chloride	7647-14-5	1.00000	0.00001	
			Propargyl Alcohol	107-19-7	10.00000	0.00001	
			Formaldehyde	50-00-0	0.10000	0.00001	
			Alkenes, C>10 a-	64743-02-8	5.00000	0.00001	

\* 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)

OFFICE OF OIL AND GAS JUL 28 2017

LATITUDE 39°27'30" 5,007'

LATITUDE 39°25'00" 1,802' TO BOTTOM HOLE

Antero Resources Corporation  
Well No. Tabor Unit 1H  
47-095-02164 (AS DRILLED)

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

O.W.O. HARDMAN  
ET AL LEASE  
COASTAL LUMBER COMPANY  
D.B. 199 PG. 217  
T.M. 17 PAR. 01  
768 AC.±

WELL NO. 1H  
47-095-02164

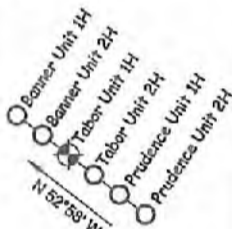
NOTE:  
NO WATER WELLS WERE  
LOCATED WITHIN 2000'  
OF CENTER OF PAD

WELL NO. 1H  
47-095-02164

WV NORTH ZONE  
GRID NORTH

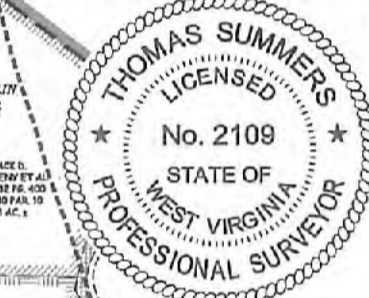
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 4,364,396m E: 523,592m  
BOTTOM HOLE INFORMATION:  
N: 4,361,201m E: 524,579m

PAD LAYOUT



NOT TO SCALE

AS DRILLED DATA:  
WELL 1H TOP HOLE INFORMATION:  
N: 340,612ft E: 1,653,679ft  
LAT: 39°25'43.29" LON: 80°43'33.81"  
BOTTOM HOLE INFORMATION:  
N: 330,076ft E: 1,656,742ft  
LAT: 39°23'59.57" LON: 80°42'52.95"  
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.



JOB # 13-119WA  
DRAWING # TABORUNIT1HADR  
SCALE 1" = 1000'  
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

THOMAS SUMMERS P.S. 2109

DATE 07/13/17

OPERATOR'S WELL# TABOR UNIT #1H



STATE OF WEST VIRGINIA, DIVISION  
OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE. PENNSBORO  
WEST VIRGINIA 26415

FANNY LEE REYNOLDS ET AL  
D.B. 233 PG. 709  
T.M. 10 PAR. 01  
132.76 AC.±

R. SMITH  
LEASE  
FOREST G. MOORE ET UX  
D.B. 140 PG. 640  
T.M. 10 PAR. 02  
87.75 AC.±

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY  
API WELL # 47 - 095 - 02164

DIVISION OF OIL AND GAS STATE COUNTY PERMIT  
WELL TYPE: OIL  GAS  LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,188' AS DRILLED WATERSHED MCELROY CREEK  
QUADRANGLE CENTERPOINT 7.5 DISTRICT MCELROY COUNTY TYLER

SURFACE OWNER COASTAL LUMBER COMPANY ACREAGE 768 ACRES +/-  
OIL & GAS ROYALTY OWNER O.W.O. HARDMAN ET AL; M. HEFLIN ET AL; R. BERRY ET AL;  
C. ANDERSON ET AL; W.B. ALLEN ET AL

LEASE ACREAGE 952.3 AC±; 53.69 AC±; 49.12 AC±; 36 AC±; 334 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 7,140' TVD 17,899' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER

ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD

FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

10,797'  
6,114' TO BOTTOM HOLE  
LONGITUDE 80°42'30"  
LONGITUDE 80°42'30"  
1,102' 92' 70" 549' 00" 110' 10' 311' 10'

09/15/2017



