

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

API 47 - 085 - 10269 County Ritchie District Clay
Quad Pennsboro 7.5' Pad Name Buck Run Pad Field/Pool Name -----
Farm name Stephen C. Jackson, et al Well Number Deem 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 4351843m Easting 504549m
Landing Point of Curve Northing 4351788.75m Easting 504782.73m
Bottom Hole Northing 4349149m Easting 505842m

Elevation (ft) 1127' 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

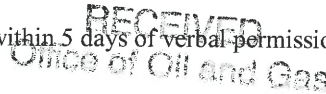
Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Air - Foam & 4% KCL

Mud - Polymer

Date permit issued 12/11/2015 Date drilling commenced 12/12/2015 Date drilling ceased 3/9/2016
Date completion activities began 7/21/2016 Date completion activities ceased 9/26/2016
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 55', 227', 439' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1921' 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

APPROVED

NAME: Michael Daff
DATE: 5-10-2017

Reviewed by:

05/26/2017

API 47-085 - 10269 Farm name Stephen C. Jackson, et al Well number Deem 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	30"	20"	40'	New	94# K-55	N/A	Y
Surface	17-1/2"	13-3/8"	543'	New	48# H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2580'	New	36# J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	16303'	New	23# P-110	N/A	Y
Tubing		2-3/8"	6630'		5.95# 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	100 sx	15.6	1.18	38	0'	8 Hrs.
Surface	Class A	642 sx	15.6	1.19	377	0'	8 Hrs.
Coal							
Intermediate 1	Class A	987 sx	15.6	1.18	808	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	842 sx (Lead) 1522 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.44 (Lead), 1.84 (Tail)	3258	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 16303' MD, 6440' TVD (BHL) & (Deepest Point Drilled) Loggers TD (ft) 16303' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5137'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Jackknife Unit 1H API #47-085-10178). Please reference the wireline logs submitted with Form WR-35 for Jackknife Unit 1H. 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 _____

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	21-Jul-16	16,030	16,201	60	Marcellus
2	21-Jul-16	15,828	15,999	60	Marcellus
3	21-Jul-16	15,626	15,796	60	Marcellus
4	22-Jul-16	15,423	15,594	60	Marcellus
5	22-Jul-16	15,221	15,392	60	Marcellus
6	22-Jul-16	15,019	15,189	60	Marcellus
7	22-Jul-16	14,816	14,987	60	Marcellus
8	23-Jul-16	14,614	14,785	60	Marcellus
9	23-Jul-16	14,412	14,582	60	Marcellus
10	23-Jul-16	14,210	14,380	60	Marcellus
11	24-Jul-16	14,007	14,178	60	Marcellus
12	24-Jul-16	13,805	13,975	60	Marcellus
13	24-Jul-16	13,603	13,773	60	Marcellus
14	24-Jul-16	13,400	13,571	60	Marcellus
15	25-Jul-16	13,198	13,369	60	Marcellus
16	25-Jul-16	12,996	13,166	60	Marcellus
17	25-Jul-16	12,793	12,964	60	Marcellus
18	25-Jul-16	12,591	12,762	60	Marcellus
19	26-Jul-16	12,389	12,559	60	Marcellus
20	26-Jul-16	12,186	12,357	60	Marcellus
21	26-Jul-16	11,984	12,155	60	Marcellus
22	26-Jul-16	11,782	11,952	60	Marcellus
23	27-Jul-16	11,579	11,750	60	Marcellus
24	27-Jul-16	11,377	11,548	60	Marcellus
25	27-Jul-16	11,175	11,345	60	Marcellus
26	27-Jul-16	10,972	11,143	60	Marcellus
27	28-Jul-16	10,770	10,941	60	Marcellus
28	28-Jul-16	10,568	10,738	60	Marcellus
29	28-Jul-16	10,365	10,536	60	Marcellus
30	28-Jul-16	10,163	10,334	60	Marcellus
31	29-Jul-16	9,961	10,131	60	Marcellus
32	29-Jul-16	9,758	9,929	60	Marcellus
33	29-Jul-16	9,556	9,727	60	Marcellus
34	29-Jul-16	9,354	9,524	60	Marcellus
35	30-Jul-16	9,152	9,322	60	Marcellus
36	31-Jul-16	8,949	9,120	60	Marcellus
37	31-Jul-16	8,747	8,917	60	Marcellus
38	31-Jul-16	8,545	8,715	60	Marcellus
39	31-Jul-16	8,342	8,513	60	Marcellus
40	1-Aug-16	8,140	8,311	60	Marcellus
41	1-Aug-16	7,938	8,108	60	Marcellus
42	1-Aug-16	7,735	7,906	60	Marcellus
43	1-Aug-16	7,533	7,704	60	Marcellus
44	2-Aug-16	7,331	7,501	60	Marcellus
45	2-Aug-16	7,128	7,299	60	Marcellus
46	2-Aug-16	6,926	7,097	60	Marcellus
47	2-Aug-16	6,724	6,894	60	Marcellus

05/26/2017

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	21-Jul-16	69.7	7,359	0	3,909	404,500	10,467	N/A
2	21-Jul-16	72.0	7,399	5,608	4,199	410,500	11,222	N/A
3	21-Jul-16	73.8	7,261	5,719	4,756	410,890	10,419	N/A
4	22-Jul-16	73.9	7,253	6,003	3,705	411,885	10,449	N/A
5	22-Jul-16	71.7	7,279	6,030	4,327	405,800	11,436	N/A
6	22-Jul-16	72.9	7,328	5,654	4,974	411,685	10,385	N/A
7	22-Jul-16	71.2	7,240	6,187	4,269	411,140	10,369	N/A
8	23-Jul-16	72.4	7,283	6,381	3,262	410,100	10,382	N/A
9	23-Jul-16	67.8	7,329	7,035	3,333	410,000	10,455	N/A
10	23-Jul-16	68.8	7,490	6,759	4,256	409,415	10,379	N/A
11	24-Jul-16	70.6	7,544	6,802	3,827	407,840	10,337	N/A
12	24-Jul-16	70.1	7,472	6,094	4,106	403,100	11,801	N/A
13	24-Jul-16	72.5	7,449	5,951	4,435	417,900	11,606	N/A
14	24-Jul-16	73.4	7,298	5,708	5,001	408,735	10,313	N/A
15	25-Jul-16	72.3	7,331	5,411	4,911	409,100	10,305	N/A
16	25-Jul-16	77.5	7,387	5,711	4,907	410,440	10,322	N/A
17	25-Jul-16	78.1	7,306	5,733	4,395	408,600	10,269	N/A
18	25-Jul-16	74.2	7,168	5,378	4,195	410,985	10,279	N/A
19	26-Jul-16	75.5	7,128	5,422	3,769	410,410	10,861	N/A
20	26-Jul-16	74.0	7,451	5,912	4,474	410,600	10,249	N/A
21	26-Jul-16	76.3	7,397	5,774	4,282	409,800	10,251	N/A
22	26-Jul-16	72.8	7,205	5,907	4,105	409,895	10,241	N/A
23	27-Jul-16	72.0	7,287	6,003	4,744	410,425	10,237	N/A
24	27-Jul-16	78.7	7,450	5,829	3,912	409,800	10,228	N/A
25	27-Jul-16	73.6	7,136	5,686	4,009	410,350	10,117	N/A
26	27-Jul-16	72.9	7,293	5,837	3,923	409,045	10,207	N/A
27	28-Jul-16	69.4	7,310	5,821	4,313	410,725	10,198	N/A
28	28-Jul-16	74.6	7,245	5,972	4,138	408,400	10,248	N/A
29	28-Jul-16	76.3	7,141	5,600	3,222	409,400	10,257	N/A
30	28-Jul-16	70.1	6,978	5,861	3,622	409,600	10,175	N/A
31	29-Jul-16	66.5	7,217	5,217	3,819	400,860	12,077	N/A
32	29-Jul-16	75.6	6,990	5,364	3,537	410,700	10,201	N/A
33	29-Jul-16	75.0	6,946	5,379	3,430	410,600	10,194	N/A
34	29-Jul-16	76.1	7,051	5,437	3,726	410,415	10,141	N/A
35	30-Jul-16	76.9	7,123	5,923	3,703	411,485	10,140	N/A
36	31-Jul-16	73.9	6,775	5,407	3,591	408,810	11,110	N/A
37	31-Jul-16	80.0	7,323	5,972	3,551	409,235	10,200	N/A
38	31-Jul-16	81.0	7,727	6,373	3,390	408,770	10,166	N/A
39	31-Jul-16	78.3	6,817	6,138	3,487	409,680	10,099	N/A
40	1-Aug-16	71.5	7,168	6,508	4,591	270,085	7,706	N/A
41	1-Aug-16	79.4	7,187	5,801	3,169	408,500	10,171	N/A
42	1-Aug-16	76.6	6,746	5,804	3,387	409,000	10,071	N/A
43	1-Aug-16	75.2	7,197	6,287	3,755	376,500	11,868	N/A
44	2-Aug-16	80.0	6,886	5,690	3,541	408,300	10,116	N/A
45	2-Aug-16	81.6	6,917	5,808	3,529	410,800	10,030	N/A
46	2-Aug-16	78.6	6,795	5,883	3,284	409,100	10,041	N/A
47	2-Aug-16	82.9	7,052	7,167	3,144	408,600	10,039	N/A
AVG=		74.4	7,215	5,786	3,956	19,072,505	10,401	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	55'	N/A	55'	N/A
Fresh Water	227'	N/A	227'	N/A
Fresh Water	439'	N/A	439'	N/A
Shale	0	567	0	567
Sandstone	est. 567	647	est. 567	647
Siltstone	est. 647	867	est. 647	867
Shale	est. 867	987	est. 867	987
Sandstone	est. 987	1067	est. 987	1067
Shale	est. 1067	1247	est. 1067	1247
Sandstone	est. 1247	1387	est. 1247	1387
Coaly Sandstone	est. 1387	1647	est. 1387	1647
Shale	est. 1647	1867	est. 1647	1867
Sandstone	est. 1867	1907	est. 1867	1907
Shale	est. 1907	1995	est. 1907	1996
Big Lime	1995	2133	1996	2134
Big Injun	2133	2502	2134	2503
Gantz Sand	2502	2881	2503	2882
Fifty Foot Sandstone	2881	2982	2882	2983
Gordon	2982	3348	2983	3349
Fifth Sandstone	3348	3412	3349	3413
Bayard	3412	3556	3413	3557
Warren	3556	3949	3557	3950
Speechley	3949	4221	3950	4222
Baltown	4221	4613	4222	4614
Bradford	4613	5000	4614	5011
Benson	5000	5236	5011	5259
Alexander	5236	5548	5259	5598
Elk	5548	5826	5598	5904
Rhinstreet	5826	6132	5904	6259
Sycamore	6132	6226	6259	6384
Middlesex	6226	6331	6384	6559
Burkett	6331	6357	6559	6620
Tully	6357	6379	6620	6679
Marcellus	6379	NA	6679	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:	7/21/2016
Job End Date:	8/2/2016
State:	West Virginia
County:	Richie
API Number:	47-085-10269-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Deem 2H
Latitude:	39.31597500
Longitude:	-80.94723100
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,439
Total Base Water Volume (gal):	21,086,882
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	Antero Resources	Base Fluid					
Sand	U.S. Well Services, LLC	Proppant				89.93578	
HCL Acid (12.6%-18.0%)	U.S. Well Services, LLC	Bulk Acid	Crystalline Silica, quartz	14808-60-7	100.00000	9.74893	
LGC-15	U.S. Well Services	Gelling Agents	Water	7732-18-5	87.50000	0.10066	
			Hydrogen Chloride	7647-01-0	18.00000	0.02404	
			Guar Gum	9000-30-0	50.00000	0.04130	
			Petroleum Distillates	64742-47-8	60.00000	0.03912	
			Suspending agent (solid)	14808-60-7	3.00000	0.00632	
			Surfactant	68439-51-0	3.00000	0.00248	
WFRA-405	U.S. Well Services	Friction Reducer	Water	7732-18-5	60.00000	0.03842	
			2-Propanoic acid, polymer with 2-propanamide	9003-06-9	30.00000	0.01921	
			Hydrated light distillate (petroleum)	64742-47-8	30.00000	0.01546	

SI-1100s	J.S. Well Services	Scale Inhibitor	Ethoxylated alcohol blend	68002-97-1	4.00000	0.00256
			Water	7732-18-5	80.00000	0.01041
			Copolymer of Maleic and Acrylic acid	52255-49-9	10.00000	0.00154
			Potassium salt of diethylene triamine penta (methylene phosphonic acid)	15827-60-8	7.50000	0.00132
			Phosphino carboxylic acid polymer	71050-62-9	5.00000	0.00085
			Hexamethylene tramine penta (methylene phosphonic acid)	34690-00-1	5.00000	0.00085
			Hexamethylene diamine penta (methylene phosphonic acid)	23605-74-5	2.00000	0.00034
BIOCLEAR 2000	J.S. Well Services	Anti-Bacterial Agent				
			2,2-dibromo-3-nitriopropanamide	10222-01-2	30.00000	0.00635
			Deionized Water	7732-18-5	28.00000	0.00242
AP One	J.S. Well Services	Gel Breakers				
			Ammonium Persulfate	7727-54-0	100.00000	0.00140
AI-302	J.S. Well Services	Acid Corrosion Inhibitors				
			Water	7732-18-5	95.00000	0.00022
			2-Propyn-1-ol compound with methyloxirane	38172-91-7	15.00000	0.00003
HCL Acid (22.6%-28%)	J.S. Well Services, LLC	Bulk Acid				
			Hydrogen Chloride	7647-01-0	28.00000	
			Water	7732-18-5	77.40000	
X-BAC 1020	J.S. Well Services	Anti-Bacterial Agent				
			2,2-dibromo-3-nitriopropanamide	10222-01-2	20.00000	
			Deionized Water	7732-18-5	28.00000	
SI-1100	J.S. Well Services	Scale Inhibitor				
			Potassium salt of diethylene triamine penta (methylene phosphonic acid)	15827-60-8	7.50000	
			Hexamethylene tramine penta (methylene phosphonic acid)	34690-00-1	5.00000	
			Ethylene Glycol	107-21-1	25.00000	
			Water	7732-18-5	80.00000	
			Hexamethylene diamine penta (methylene phosphonic acid)	23605-74-5	2.00000	
			Phosphino carboxylic acid polymer	71050-62-9	5.00000	
			Copolymer of Maleic and Acrylic acid	52255-49-9	10.00000	

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)

LATITUDE 39°20'00"

8,696'

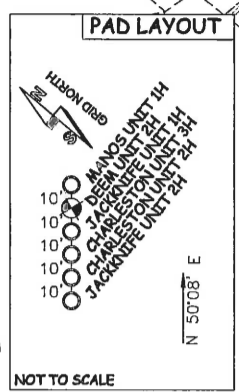
4,459' TO BOTTOM HOLE
LATITUDE 39°17'30"

20' TO BOTTOM HOLE
LONGITUDE 80°55'00"

6,352'

LONGITUDE 80°55'00"

Antero Resources Corporation
Weil No. Deem Unit 2H
API #47-085-10269



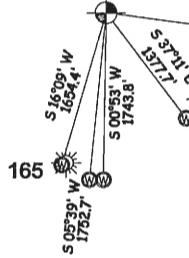
AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 300,464ft E: 1,590,499ft
LAT: 39°18'57.22" LON: 80°56'50.65"
BOTTOM HOLE INFORMATION:
N: 291,554ft E: 1,594,596ft
LAT: 39°17'29.81" LON: 80°55'56.72"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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 2H TOP HOLE INFORMATION:
N: 4,351,843m E: 504,549m
BOTTOM HOLE INFORMATION:
N: 4,349,149m E: 505,842m

- 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 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.

NOTE:
4 WATER WELLS WERE LOCATED WITHIN 2000' OF THE CENTER OF PROPOSED PAD

47-085-10269
WELL NO. 2H



LEGEND

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

DATE **12/22/16**

OPERATOR'S WELL# **DEEM UNIT #2H**

JOB # **15-039WA**
DRAWING # **DEEM2HAD**
SCALE **1" = 1000'**
MINIMUM DEGREE OF ACCURACY **SUBMETER**
PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**

API WELL # **47 - 085 - 10269**
STATE COUNTY PERMIT



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
P.O. BOX 17 PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL ___ GAS **X** LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW **X**
LOCATION: ELEVATION **1,127' AS-DRILLED** WATERSHED **NORTH FORK HUGHES RIVER**

QUADRANGLE **PENNSBORO 7.5'** DISTRICT **CLAY** COUNTY **RITCHIE**

SURFACE OWNER **STEPHEN C. JACKSON ET AL** ACREAGE **40.835 ACRES +/-**
OIL & GAS ROYALTY OWNER **HARVEY WEIGLE HEIRS; STEVE JACKSON; CARRIE B. TAYLOR HEIRS; M.H. JONES ET AL; LEWIS B. HUFF ET UX; B.C. HAMMOND ET UX; JOHN H. MILLER ET UX; JOHN HENRY MILLER ET UX; CARLTON BOYCE ET UX** LEASE ACREAGE **51 ACRES+; 117 ACRES+; 35.5 ACRES+; 200 ACRES+; 164 ACRES+; 73 ACRES+; 24 ACRES+; 21.25 ACRES+; 201 ACRES+**

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 ___ ESTIMATED DEPTH **6,440' TVD 16,303' MD**
TARGET FORMATION **MARCELLUS**
WELL OPERATOR **ANTERO RESOURCES CORP.** DESIGNATED AGENT **DIANNA STAMPER CT CORPORATION SYSTEM**
ADDRESS **1615 WYNKOOP STREET DENVER, CO 80202** ADDRESS **5400 D BIG TYLER ROAD CHARLESTON, WV 25313**

05/26/2017

