

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

API 47 - 017 - 06258 County Doddridge District West Union
Quad West Union 7.5' Pad Name Bee Lewis Pad Field/Pool Name ----
Farm name Bee, Lewis P. Well Number Squirrel 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 4345083m Easting 515288m
Landing Point of Curve Northing 4345153.50m Easting 515371.17m
Bottom Hole Northing 4347222m Easting 514572m

Elevation (ft) 1003' 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 6/25/2013 Date drilling commenced 9/2/2013 Date drilling ceased 10/6/2013
Date completion activities began 3/6/2014 Date completion activities ceased 6/28/2014
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 56', 136' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 466', 996' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 101', 590' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

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Reviewed by:
AL 5/27/15
W.S. 6/05/2015

API 47- 017 - 06258 Farm name Bee, Lewis P. Well number Squirrel 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"	59'	New	94# H-40	N/A	Y
Surface	17- 1/2"	13- 3/8"	360'	New	48# H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2598'	New	36# J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4" & 8-1/2"	5-1/2"	14150'	New	20# P-110	N/A	Y
Tubing		2-3/8"	6633'		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 ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	120 sx	15.6	1.18	57	0'	8 Hrs.
Surface	Class A	423 sx	15.6	1.18	250	0'	8 Hrs.
Coal							
Intermediate 1	Class A	956 sx	15.6	1.18	814	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	999 sx (Lead), 1150 sx (Tail)	14.5 Lead 15.2 Tail	1.30 Lead 1.86 Tail	2761	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 14150' MD, 6615' TVD (BHL); 6649' TVD (Deepest point drilled) Loggers TD (ft) 14100'
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6212'

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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EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	6-Mar-14	13,926	14,095	60	Marcellus
2	18-Apr-14	13,726	13,895	60	Marcellus
3	19-Apr-14	13,526	13,695	60	Marcellus
4	19-Apr-14	13,327	13,495	60	Marcellus
5	19-Apr-14	13,127	13,296	60	Marcellus
6	20-Apr-14	12,927	13,095	60	Marcellus
7	20-Apr-14	12,727	12,895	60	Marcellus
8	20-Apr-14	12,527	12,696	60	Marcellus
9	21-Apr-14	12,327	12,496	60	Marcellus
10	21-Apr-14	12,127	12,296	60	Marcellus
11	21-Apr-14	11,927	12,096	60	Marcellus
12	22-Apr-14	11,727	11,896	60	Marcellus
13	26-Apr-14	11,528	11,696	60	Marcellus
14	26-Apr-14	11,328	11,496	60	Marcellus
15	27-Apr-14	11,128	11,296	60	Marcellus
16	27-May-14	10,928	11,096	60	Marcellus
17	28-May-14	10,728	10,897	60	Marcellus
18	28-May-14	10,528	10,697	60	Marcellus
19	28-May-14	10,328	10,497	60	Marcellus
20	28-May-14	10,128	10,297	60	Marcellus
21	28-May-14	9,928	10,097	60	Marcellus
22	29-May-14	9,729	9,897	60	Marcellus
23	29-May-14	9,529	9,697	60	Marcellus
24	29-May-14	9,329	9,497	60	Marcellus
25	29-May-14	9,129	9,297	60	Marcellus
26	29-May-14	8,929	9,098	60	Marcellus
27	30-May-14	8,729	8,898	60	Marcellus
28	30-May-14	8,529	8,698	60	Marcellus
29	30-May-14	8,329	8,498	60	Marcellus
30	30-May-14	8,129	8,298	60	Marcellus
31	31-May-14	7,930	8,098	60	Marcellus
32	31-May-14	7,730	7,898	60	Marcellus
33	31-May-14	7,530	7,698	60	Marcellus
34	1-Jun-14	7,330	7,498	60	Marcellus
35	2-Jun-14	7,130	7,299	60	Marcellus
36	2-Jun-14	6,930	7,099	60	Marcellus
37	2-Jun-14	6,605	6,690	60	Marcellus

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API 47-017-06258 Farm Name Bee, Lewis P. Well Number Squirrel 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	18-Apr-14	76.9	7,410	5,947	4,620	239,000	6,443	N/A
2	19-Apr-14	77.7	7,617	5,618	5,380	233,800	6,148	N/A
3	19-Apr-14	77.5	7,272	5,449	4,975	234,400	6,369	N/A
4	19-Apr-14	76.6	7,404	5,823	5,286	232,400	6,099	N/A
5	20-Apr-14	73.7	7,223	5,686	5,192	240,700	6,378	N/A
6	20-Apr-14	76.7	6,949	5,564	3,625	230,000	6,532	N/A
7	20-Apr-14	72.7	7,290	5,434	5,773	118,000	6,690	N/A
8	20-Apr-14	77.5	7,538	5,962	5,865	199,700	6,564	N/A
9	21-Apr-14	78.8	7,139	5,618	4,714	244,900	6,342	N/A
10	21-Apr-14	76.0	7,677	5,353	4,870	103,100	6,302	N/A
11	21-Apr-14	74.3	6,753	5,494	5,567	149,700	6,533	N/A
12	22-Apr-14	73.6	7,370	5,336	9,326	232,600	6,865	N/A
13	26-Apr-14	78.1	7,008	5,714	9,189	241,700	5,874	N/A
14	26-Apr-14	76.9	7,108	5,566	5,250	200,400	10,539	N/A
15	27-Apr-14	74.6	7,261	5,303	5,118	164,700	6,487	N/A
16	27-May-14	75.9	7,054	5,420	4,601	233,700	6,012	N/A
17	28-May-14	76.4	7,325	5,521	4,366	213,300	5,702	N/A
18	28-May-14	73.2	7,610	5,984	4,966	170,100	6,404	N/A
19	28-May-14	72.9	7,159	5,789	3,958	239,300	6,281	N/A
20	28-May-14	76.1	6,609	6,150	3,725	235,800	5,975	N/A
21	28-May-14	75.8	6,937	6,614	3,437	237,900	6,063	N/A
22	29-May-14	76.3	7,030	6,409	3,485	239,600	5,943	N/A
23	29-May-14	55.4	7,334	6,346	4,434	96,100	5,650	N/A
24	29-May-14	74.4	6,866	7,620	3,633	241,800	6,030	N/A
25	29-May-14	72.2	7,043	6,094	4,675	78,900	5,864	N/A
26	29-May-14	74.4	7,199	5,784	3,057	238,100	6,102	N/A
27	30-May-14	79.7	6,795	5,961	3,253	239,600	5,914	N/A
28	30-May-14	78.8	6,381	6,327	3,620	232,600	5,880	N/A
29	30-May-14	78.2	6,636	6,004	3,634	225,600	6,345	N/A
30	30-May-14	76.4	7,546	5,617	3,469	195,100	6,334	N/A
31	31-May-14	77.9	6,581	5,808	3,735	240,700	5,858	N/A
32	31-May-14	76.5	6,788	5,806	4,969	128,500	6,336	N/A
33	31-May-14	71.0	7,081	5,741	4,830	103,000	5,595	N/A
34	1-Jun-14	74.2	6,847	5,479	3,949	235,800	5,851	N/A
35	2-Jun-14	77.2	6,423	5,474	3,846	179,606	5,768	N/A
36	2-Jun-14	78.3	6,679	5,618	4,161	230,900	5,681	N/A
37	2-Jun-14	79.8	5,052	4,219	2,898	230,800	5,684	N/A
AVG=		75.5	7,027	5,774	4,634	7,531,906	231,437	TOTAL

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API 47-017-06258 Farm Name Bee, Lewis P. Well Number Squirrel 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	56'	N/A	56'	N/A
Fresh Water	136'	N/A	136'	N/A
Shale	0	101	0	101
Coal	101	141	101	141
Shale	141	301	141	301
Sandstone	301	341	301	341
Shale/Sandstone/Siltstone	341	590	341	590
Coal	590	341	590	341
Shale/Siltstone	341	1,486	341	1,486
Siltstone w/Coal	1,486	1,541	1,486	1,541
Siltstone/Sandstone	1,541	1,859	1,541	1,859
Big Lime	1,859	1,966	1,859	1,966
Big Injun	1,966	2,409	1,966	2,409
Gantz Sand	2,409	2,517	2,409	2,517
Fifty Foot Sandstone	2,517	2,604	2,517	2,604
Gordon	2,604	2,924	2,604	2,924
Fifth Sandstone	2,924	2,948	2,924	2,948
Bayard	2,948	3,325	2,948	3,325
Warren	3,325	3,664	3,325	3,664
Speechley	3,664	3,984	3,664	3,984
Baltown	3,984	4,439	3,984	4,439
Bradford	4,439	4,869	4,439	4,869
Benson	4,869	5,127	4,869	5,127
Alexander	5,127	5,318	5,127	5,318
Elk	5,318	5,815	5,318	5,815
Rhinestreet	5,815	6,140	5,815	6,140
Sycamore	6,140	6,313	6,140	6,319
Middlesex	6,313	6,437	6,319	6,462
Burkett	6,437	6,466	6,462	6,501
Tully	6,466	6,506	6,501	6,566
Marcellus	6,506	N/A	6,566	14,131

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/18/2014
Job End Date:	6/2/2014
State:	West Virginia
County:	Doddridge
API Number:	47-017-06258-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Squirrel Unit 1H ST
Longitude:	-80.82298100
Latitude:	39.25485800
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,614
Total Base Water Volume (gal):	9,720,354
Total Base Non Water Volume:	WV Department of



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Hydraulic Fracturing Fluid Composition: Environmental Protection

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	Water	Water	7732-18-5	100.00000	91.27432	
Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica, quartz	14808-60-7	99.90000	5.02122	
			Aluminum Oxide	1344-28-1	1.10000	0.05529	
			Iron Oxide	1309-37-1	0.10000	0.00503	
			Titanium Oxide	13463-67-7	0.10000	0.00503	
Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica, quartz	14808-60-7	99.90000	2.58204	
			Aluminum Oxide	1344-28-1	1.10000	0.02843	
			Iron Oxide	1309-37-1	0.10000	0.00259	
			Titanium Oxide	13463-67-7	0.10000	0.00259	
Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia	Crystalline Silica, quartz	14808-60-7	99.90000	0.59692	
			Aluminum Oxide	1344-28-1	1.10000	0.00657	

					Iron Oxide	1309-37-1	0.10000	0.00060	
Sand	Nabors Completion and Production Services	Sand - Bulk - West Virginia		Titanium Oxide	13463-67-7		0.10000	0.00060	
				Crystalline Silica, quartz	14808-60-7		99.90000	0.33901	
				Aluminum Oxide	1344-28-1		1.10000	0.00373	
				Iron Oxide	1309-37-1		0.10000	0.00034	
LSG-100L	Nabors Completion and Production Services	Gelling Agents		Titanium Oxide	13463-67-7		0.10000	0.00034	
WFR-3B	Nabors Completion and Production Services	Friction Reducer		Petroleum Distillates	64742-47-8		70.00000	0.03634	
				Hydrotreated light distillates, non-aromatic, BTEX free	64742-47-8		30.00000	0.01937	
				Ethoxylated alcohols	68002-97-1		15.00000	0.00968	
				Ethoxylated oleylamine	26635-93-8		5.00000	0.00323	
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid							
HCl Acid (12.5%-18.0%)	Nabors Completion and Production Services	Bulk Acid		20° Baume Hydrochloric Acid	7647-01-0		100.00000	0.01328	
KR-153SL	Nabors Completion and Production Services	Biocides		Water	7732-18-5		100.00000	0.01302	
				Polyethylene-Glycol	25322-68-3		50.00000	0.00614	
Super GREEN SOLV-M	Nabors Completion and Production Services	Paraffin & Scale Additives		2,2-dibromo-3-nitropropionamide	10222-01-2		20.00000	0.00246	
				Aliphatic Hydrocarbons	Proprietary		95.00000	0.00443	
				Dodecane	Proprietary		14.00000	0.00065	
				tetradecane	Proprietary		11.00000	0.00051	
				Tridecane	Proprietary		9.00000	0.00042	
Super TSC-LT	Nabors Completion and Production Services	Paraffin & Scale Additives		Undecane	Proprietary		8.00000	0.00037	
Super TSC 2 LT	Nabors Completion and Production Services	Paraffin & Scale Additives		Water	7732-18-5		60.00000	0.00400	
				Bis(hexamethylene)triamine Penta (methylene phosphonic acid), Sodium Salt	85657-77-3		15.00000	0.00153	

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Acid Inhibitor 2 (AI-2)	Nabors Completion and Production Services	Acid Corrosion Inhibitors						
			Isopropyl Alcohol	67-63-0		40.00000	0.00016	
			Glycol Ethers	111-46-6		40.00000	0.00016	
			Propargyl Alcohol	107-19-7		40.00000	0.00016	
			Ethoxylated Nonylphenol	68412-54-4		13.00000	0.00005	
			Tar bases, quinoiline derivs, benzyl chloride-quaternized	72480-70-7		10.00000	0.00004	
OB-2 LT	Nabors Completion and Production Services	Gel Breakers						
			Ammonium Persulfate	7727-54-0		85.00000	0.00045	
			Crystalline Silica (in the form of quartz)	14808-60-7		10.00000	0.00005	
EB-4L	Nabors Completion and Production Services	Gel Breakers						
			Ethylene Glycol	107-21-1		40.00000	0.00017	
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.								
Other Ingredients	Nabors Completion and Production Services	Other Ingredients						
			guar gum	9000-30-0		50.00000	0.02595	
			Anionic Polyacrylamide	910644-97-2		40.00000	0.02582	
			Water	7732-18-5		40.00000	0.02582	
			Water	7732-18-5		80.00000	0.00982	
			Propylene glycol	57-55-6		15.00000	0.00968	
			Water	7732-18-5		90.00000	0.00918	
			Proprietary	Proprietary		50.00000	0.00334	
			Proprietary	Proprietary		2.00000	0.00129	
			Crystalline Silica (in the form of quartz)	14808-60-7		2.00000	0.00104	
			Surfactant	68439-51-0		2.00000	0.00104	
			Proprietary	Proprietary		15.00000	0.00100	
			Proprietary	Proprietary		15.00000	0.00100	
			Proprietary	Proprietary		15.00000	0.00100	
			Proprietary	Proprietary		100.00000	0.00044	
			Sugar	57-50-1		100.00000	0.00044	
			Water	7732-18-5		100.00000	0.00022	
			Water	7732-18-5		48.00000	0.00020	
			Alkali Chloride salt	Proprietary		15.00000	0.00008	
			2-Butoxyethanol	111-76-2		13.00000	0.00005	
			Proprietary	Proprietary		1.00000	0.00000	
			Proprietary	Proprietary		1.00000	0.00000	
			Dioxane	123-91-1		1.00000	0.00000	
			Proprietary	Proprietary		1.00000	0.00000	
			Proprietary	Proprietary		1.00000	0.00000	
			Organophilic Clay	68953-58-2		1.00000	0.00000	

* 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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LATITUDE 39°17'30"

8,868'

LATITUDE 39°17'30"

11,203' TO BOTTOM HOLE

6,384' TO BOTTOM HOLE

13,407'

LONGITUDE 80°47'30"

LONGITUDE 80°47'30"

Antero Resources Corporation
Well No. Squirrel Unit 1H
47-017-06258 (AS-DRILLED)

NOTE:
2 WATER WELLS WERE
LOCATED WITHIN 2000'
OF PROPOSED WELL

- NOTES
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 ALLEGHEEY 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.

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 277,693ft E: 1,625,370ft
LAT: 39°15'17.49" LON: 80°49'22.73"
BOTTOM HOLE INFORMATION:
N: 284,750ft E: 1,623,137ft
LAT: 39°16'26.90" LON: 80°49'52.46"
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: 4,345,083m E: 515,288m
BOTTOM HOLE INFORMATION:
N: 4,347,222m E: 514,572m

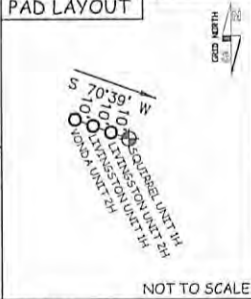
JOB # 13-014WA
DRAWING # SQUIRREL1HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

DATE 03/30/15
OPERATOR'S WELL# SQUIRREL UNIT 1H
API WELL # 47 - 017 - 06258
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, WV 26415



STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1,011' ORIGINAL - 1,003' AS DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE WEST UNION 7.5' DISTRICT WEST UNION COUNTY DODD

SURFACE OWNER LEWIS P. BEE ACREAGE 70.8 ACRES +/-
OIL & GAS ROYALTY OWNER GEORGE BEE ET AL; CRAIG A. WRIGHT II; INA BEE ET AL; DENZIL LEGGETT ET UX LEASE ACREAGE 356.5 AC±; 15 AC±; 27 ±; 140 AC±

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED ___ PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,615' TVD 14,150' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

06/05/2015

COUNTY NAME PERMIT