

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

API 47-095-02200 County Tyler District Centerville
Quad Shirley 7.5' Pad Name Pierpoint Pad Field/Pool Name ---
Farm name Lloyd C. Seckman Well Number Ingot 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 4,366,957m Easting 512,152m
Landing Point of Curve Northing 4,366,807.99m Easting 511,881.03m
Bottom Hole Northing 4,364,621m Easting 512,555m

Elevation (ft) 1201' 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 11/19/2014 Date drilling commenced 12/29/2014 Date drilling ceased 5/31/2015
Date completion activities began 8/29/2015 Date completion activities ceased 11/9/2015
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 256', 267' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 889', 2253' Void(s) encountered (Y/N) None
Coal depth(s) ft None Cavern(s) encountered (Y/N) None
Is coal being mined in area (Y/N) No

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Reviewed by:

DH
02/12/2016

API 47-095 - 02200 Farm name Lloyd C. Seckman Well number Ingot 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#/J-55	N/A	Y
Surface	17-1/2"	13-3/8"	409'	New	48#/H-40	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2524'	New	36#/J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	14,347'	New	23#/P-110	N/A	Y
Tubing		2-3/8"	6812'		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	196 sx	15.6	1.20	38 Cu. Ft.	0'	8 hrs
Surface	Class A	434 sx	15.6	1.18	284 Cu. Ft.	0'	8 hrs
Coal							
Intermediate 1	Class A	981 sx	15.6	1.86	791 Cu. Ft.	0'	8 hrs
Intermediate 2							
Intermediate 3							
Production	Class H	1032 sx (Lead), 1150 sx (Tail)	14.5 (Lead), 15.2 (Tail)	1.3 (Lead), 1.85 (Tail)	2823 Cu. Ft.	~500' into Intermediate Casing	8 hrs
Tubing							

Drillers TD (ft) 14,347' MD, 6734' TVD Loggers TD (ft) 14,298' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6482'

** This is a subsequent well. Antero only runs wireline logs on one well on a multi-well pad (Weigle Unit 1H API# 47-095-02126). Please reference the wireline logs submitted with Form WR-35 for the Weigle 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 None

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API 47-095-02200 Farm Name Lloyd C. Seckman Well Number Ingot Unit 1H

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	7-Oct-15	14,088	14,256	60	Marcellus
2	7-Oct-15	13,890	14,057	60	Marcellus
3	7-Oct-15	13,691	13,859	60	Marcellus
4	7-Oct-15	13,492	13,660	60	Marcellus
5	8-Oct-15	13,294	13,461	60	Marcellus
6	8-Oct-15	13,095	13,262	60	Marcellus
7	8-Oct-15	12,896	13,064	60	Marcellus
8	8-Oct-15	12,697	12,865	60	Marcellus
9	9-Oct-15	12,499	12,666	60	Marcellus
10	9-Oct-15	12,300	12,468	60	Marcellus
11	9-Oct-15	12,101	12,269	60	Marcellus
12	9-Oct-15	11,903	12,070	60	Marcellus
13	9-Oct-15	11,704	11,872	60	Marcellus
14	10-Oct-15	11,505	11,673	60	Marcellus
15	10-Oct-15	11,306	11,474	60	Marcellus
16	10-Oct-15	11,108	11,275	60	Marcellus
17	10-Oct-15	10,909	11,077	60	Marcellus
18	10-Oct-15	10,710	10,878	60	Marcellus
19	11-Oct-15	10,512	10,679	60	Marcellus
20	11-Oct-15	10,313	10,481	60	Marcellus
21	11-Oct-15	10,114	10,282	60	Marcellus
22	11-Oct-15	9,916	10,083	60	Marcellus
23	12-Oct-15	9,717	9,884	60	Marcellus
24	12-Oct-15	9,518	9,686	60	Marcellus
25	12-Oct-15	9,319	9,487	60	Marcellus
26	12-Oct-15	9,121	9,288	60	Marcellus
27	12-Oct-15	8,922	9,090	60	Marcellus
28	13-Oct-15	8,723	8,891	60	Marcellus
29	13-Oct-15	8,525	8,692	60	Marcellus
30	13-Oct-15	8,326	8,493	60	Marcellus
31	14-Oct-15	8,127	8,295	60	Marcellus
32	14-Oct-15	7,928	8,096	60	Marcellus
33	14-Oct-15	7,730	7,897	60	Marcellus
34	14-Oct-15	7,531	7,699	60	Marcellus
35	14-Oct-15	7,332	7,500	60	Marcellus
36	14-Oct-15	7,134	7,301	60	Marcellus

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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	7-Oct-15	76.3	6,968	N/A	5,400	237,500	6,739	N/A
2	7-Oct-15	72.4	6,832	5,983	4,849	251,100	6,597	N/A
3	7-Oct-15	72.7	7,015	5,583	4,217	213,095	7,072	N/A
4	7-Oct-15	75.2	6,821	5,421	4,519	246,855	6,529	N/A
5	8-Oct-15	75.0	7,035	5,468	5,221	225,750	7,070	N/A
6	8-Oct-15	72.3	6,816	5,407	4,935	251,400	6,465	N/A
7	8-Oct-15	70.7	6,841	5,261	4,835	250,650	6,431	N/A
8	8-Oct-15	72.0	6,825	5,748	3,844	216,540	7,000	N/A
9	9-Oct-15	76.4	7,009	5,851	3,451	214,490	7,009	N/A
10	9-Oct-15	70.6	6,764	5,540	4,216	250,500	6,386	N/A
11	9-Oct-15	71.2	6,772	6,047	4,721	230,200	6,963	N/A
12	9-Oct-15	75.4	6,804	5,821	4,131	248,160	6,314	N/A
13	9-Oct-15	75.2	7,131	5,816	4,037	247,355	6,318	N/A
14	10-Oct-15	75.9	7,072	5,817	3,915	246,420	6,309	N/A
15	10-Oct-15	72.5	6,759	5,314	4,109	249,650	6,305	N/A
16	10-Oct-15	73.5	6,568	5,822	4,835	247,700	6,268	N/A
17	10-Oct-15	75.6	6,622	5,436	4,982	248,530	6,314	N/A
18	10-Oct-15	76.2	6,686	5,536	4,499	250,200	6,751	N/A
19	11-Oct-15	74.5	6,949	5,357	5,153	248,960	6,336	N/A
20	11-Oct-15	73.1	6,528	5,157	4,392	249,200	6,241	N/A
21	11-Oct-15	74.6	6,676	5,329	4,803	247,300	6,188	N/A
22	11-Oct-15	76.6	6,335	5,479	5,164	227,200	6,803	N/A
23	12-Oct-15	76.6	6,451	5,814	4,624	248,790	6,223	N/A
24	12-Oct-15	73.0	6,786	5,758	4,327	219,900	6,682	N/A
25	12-Oct-15	74.7	6,622	5,568	4,699	253,200	6,184	N/A
26	12-Oct-15	74.4	6,671	5,654	4,438	250,460	6,190	N/A
27	12-Oct-15	43.5	8,839	6,123	5,897	2,500	6,150	N/A
28	13-Oct-15	72.7	6,484	5,776	3,991	249,200	6,134	N/A
29	13-Oct-15	72.2	6,453	5,929	4,284	249,700	6,101	N/A
30	13-Oct-15	74.1	6,470	5,536	4,978	250,100	6,112	N/A
31	14-Oct-15	72.2	6,434	5,980	4,706	236,500	6,117	N/A
32	14-Oct-15	72.7	6,519	5,897	4,578	228,800	5,761	N/A
33	14-Oct-15	73.6	6,508	6,620	5,057	247,300	6,085	N/A
34	14-Oct-15	75.8	6,307	6,537	5,089	247,400	6,041	N/A
35	14-Oct-15	70.1	6,150	5,904	4,563	218,500	5,607	N/A
36	14-Oct-15	73.8	6,502	7,525	4,667	223,800	6,599	N/A
	AVG=	73.0	6,751	5,766	4,615	8,424,905	230,394	TOTAL

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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	256'	N/A	256'	N/A
Fresh Water	267'	N/A	267'	N/A
Siltstone	0	296	0	296
Siltstone w/trace coal	est 296	316	est 296	316
Siltstone	est 316	336	est 316	336
Sandstone	est 336	376	est 336	376
Siltstone w/trace coal	est 376	466	est 376	466
Sandstone	est 466	716	est 466	716
Sandstone/Siltstone	est 716	956	est 716	956
Limestone/Siltstone	est 956	1,176	est 956	1,176
Siltstone/Sandstone w/trace coal	est 1176	1,216	est 1176	1,216
Siltstone	est 1216	1,356	est 1216	1,356
Sandstone	est 1356	1,496	est 1356	1,496
Siltstone w/trace coal	est 1496	1,516	est 1496	1,516
Sandstone/Siltstone	est 1516	1,916	est 1516	1,916
Sandstone w/trace coal	est 1916	1,956	est 1916	1,956
Sandstone/Siltstone	est 1956	2,111	est 1956	2,113
Big Lime	2,111	2,221	2,113	2,233
Big Injun	2,221	2,717	2,233	2,719
Gantz Sand	2,717	2,850	2,719	2,852
Fifty Foot Sandstone	2,850	2,935	2,852	2,937
Gordon	2,935	3,297	2,937	3,299
Fifth Sandstone	3,297	3,346	3,299	3,348
Bayard	3,346	3,691	3,348	3,693
Warren	3,691	4,080	3,693	4,084
Speechley	4,080	4,758	4,084	4,783
Bradford	4,758	5,162	4,783	5,214
Benson	5,162	5,437	5,214	5,512
Alexander	5,437	5,591	5,512	5,678
Elk	5,591	5,986	5,678	6,106
Rhinestreet	5,986	6,292	6,106	6,438
Sycamore	6,292	6,462	6,438	6,654
Middlesex	6,462	6,557	6,654	6,860
Burkett	6,557	6,581	6,860	6,942
Tully	6,581	6,620	6,942	7,095
Marcellus	6,620	NA	7,095	NA

*Please note Antero determines shallow 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:	10/7/2015
Job End Date:	10/14/2015
State:	West Virginia
County:	Tyler
API Number:	47-095-02200-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Ingot 1H
Longitude:	-80.85876100
Latitude:	39.45209200
Datum:	NAD83
Federal/Tribal Well:	NO
True Vertical Depth:	6,734
Total Base Water Volume (gal):	10,089,838
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	Water	7732-18-5	100.00000	90.48872	
Sand	U.S. Well Services, LLC	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	9.05960	
HCL Acid (12.6%-18.0%)	U.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.50000	0.17443	
			Hydrogen Chloride	7647-01-0	18.00000	0.04166	
LGC-15	U.S. Well Services	Gelling Agents	Guar Gum	9000-30-0	50.00000	0.06711	
			Petroleum Distillates	64742-47-8	60.00000	0.06356	
			Suspending agent (solid)	14808-60-7	3.00000	0.01026	
			Surfactant	68439-51-0	3.00000	0.00403	
WFRA-405	U.S. Well Services	Friction Reducer	Water	7732-18-5	40.00000	0.02537	
			2-Propenoic acid, polymer with 2-propenamide	9003-06-9	30.00000	0.02537	
			Petroleum Distillates	64742-47-8	20.00000	0.01021	
			Ethoxylated alcohol blend	68002-97-1	4.00000	0.00317	
SI-1100	U.S. Well Services	Scale Inhibitor					

			Water	7732-18-5	80.00000	0.00984
			Ethylene Glycol	107-21-1	25.00000	0.00347
			Copolymer of Maleic and Acrylic acid	52255-49-9	10.00000	0.00145
			Potassium salt of diethylene triamine penta (methylene phosphonic acid)	15827-60-8	7.50000	0.00124
			Phosphino carboxylic acid polymer	71050-62-9	5.00000	0.00080
			Hexamethylene tramine penta (methylene phosphonic acid)	34690-00-1	5.00000	0.00080
			Hexamethylene diamine penta (methylene phosphonic acid)	23605-74-5	2.00000	0.00032
K-BAC 1020	U.S. Well Services	Anti-Bacterial Agent				
			2,2-dibromo-3-nitrilopropionamide	10222-01-2	20.00000	0.00413
			Deionized Water	7732-18-5	28.00000	0.00236
AP One	U.S. Well Services	Gel Breakers				
			Ammonium Persulfate	7727-54-0	100.00000	0.00175
AI-301	U.S. Well Services	Acid Corrosion Inhibitors				
			Diethylene Glycol	111-46-6	30.00000	0.00014
			Methenamine	100-97-0	20.00000	0.00011
			Hydrogen Chloride	7647-01-0	10.00000	0.00005
			Polyethylene polyamine	68603-67-8	10.00000	0.00004
			Coco amine	61791-14-8	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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LATITUDE 39°27'30"

7,229'

5,920' TO BOTTOM HOLE
LATITUDE 39°27'30"

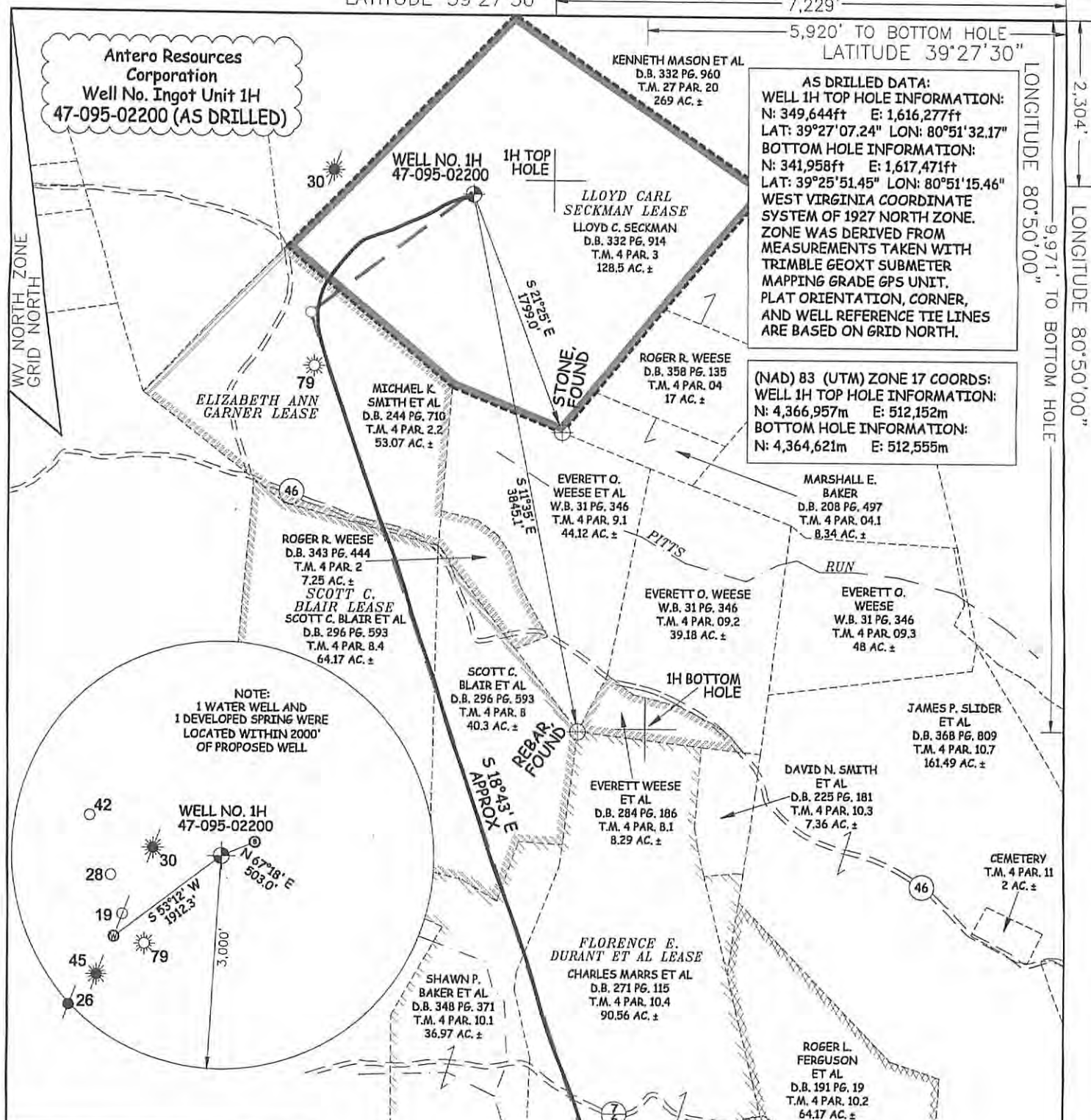
LONGITUDE 80°50'00"

2,304'
LONGITUDE 80°50'00"

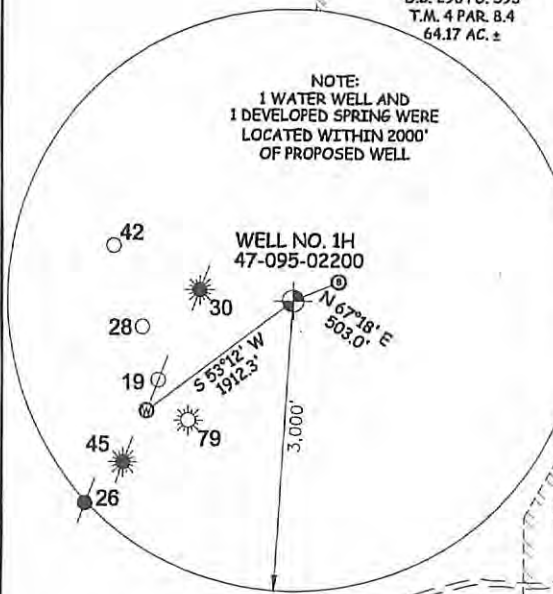
Antero Resources Corporation
Well No. Ingot Unit 1H
47-095-02200 (AS DRILLED)

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 349,644ft E: 1,616,277ft
LAT: 39°27'07.24" LON: 80°51'32.17"
BOTTOM HOLE INFORMATION:
N: 341,958ft E: 1,617,471ft
LAT: 39°25'51.45" LON: 80°51'15.46"
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: 4,366,957m E: 512,152m
BOTTOM HOLE INFORMATION:
N: 4,364,621m E: 512,555m



NOTE:
1 WATER WELL AND
1 DEVELOPED SPRING WERE
LOCATED WITHIN 2000'
OF PROPOSED WELL



47 - 095 - 02200
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

JOB # 14-058WA
DRAWING # INGOT1HAD
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 +/-
X Existing Fence
⊕ Found monument, as noted
○ Proposed Well Path
⊙ As Drilled Well Path

DATE 07/17/15
OPERATOR'S WELL# INGOT UNIT #1H

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- 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 PDLTRY 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.

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1,216' ORIGINAL - 1,201' AS DRILLED WATERSHED OUTLET MIDDLE ISLAND CREEK
QUADRANGLE SHIRLEY 7.5' DISTRICT CENTERVILLE COUNTY TYLER
SURFACE OWNER LLOYD C. SECKMAN ACREAGE 128.5 ACRES +/-
OIL & GAS ROYALTY OWNER LLOYD CARL SECKMAN; ELIZABETH ANN GARNER; LEASE ACREAGE 128.5 AC±; 90.605 AC±
SCOTT C. BLAIR; FLORENCE E. DURANT ET AL; RAYMOND V. UNDERWOOD 104.47 AC±; 127.53 AC±; 96 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 6,734' TVD 14,347' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



COUNTY NAME PERMIT

LATITUDE 39°27'30"

7,229'

5,920' TO BOTTOM HOLE
LATITUDE 39°27'30"

LONGITUDE 80°50'00"

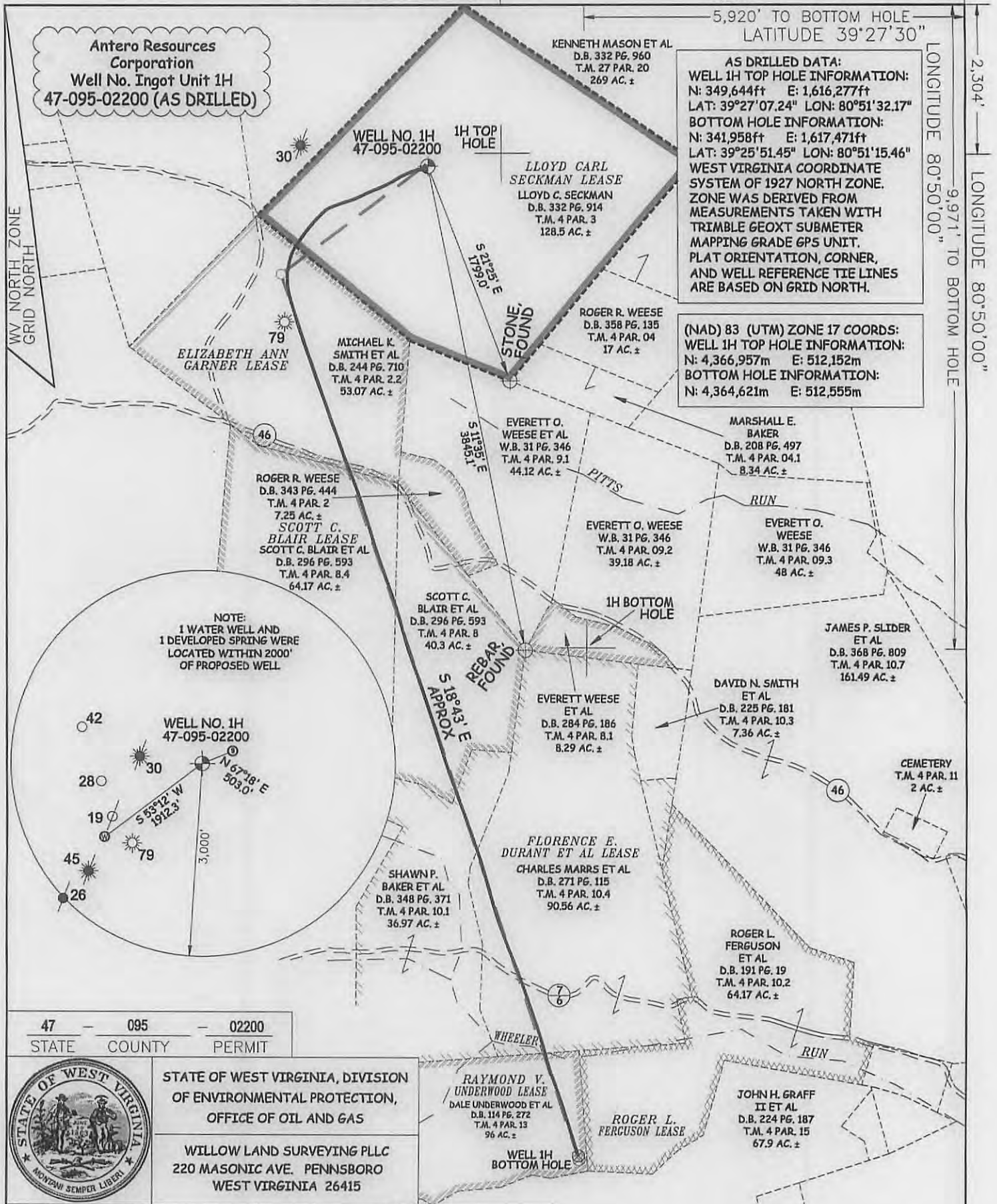
2,304' LONGITUDE 80°50'00"

9,971' TO BOTTOM HOLE

Antero Resources Corporation
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47-095-02200 (AS DRILLED)

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N: 4,364,621m E: 512,555m



NOTE:
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1 DEVELOPED SPRING WERE
LOCATED WITHIN 2000'
OF PROPOSED WELL

- 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.

47 - 095 - 02200
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

JOB # 14-058WA
DRAWING # INGOT1HAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

DATE 07/17/15
OPERATOR'S WELL# INGOT UNIT #1H

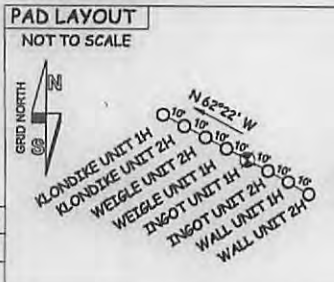
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

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

LOCATION: ELEVATION 1,216' ORIGINAL - 1,201' AS DRILLED WATERSHED OUTLET MIDDLE ISLAND CREEK
QUADRANGLE SHIRLEY 7.5' DISTRICT CENTERVILLE COUNTY TYLER
SURFACE OWNER LLOYD C. SECKMAN ACREAGE 128.5 ACRES +/-
OIL & GAS ROYALTY OWNER LLOYD CARL SECKMAN; ELIZABETH ANN GARNER; LEASE ACREAGE 128.5 AC±; 90.605 AC±;
SCOTT C. BLAIR; FLORENCE E. DURANT ET AL; RAYMOND V. UNDERWOOD 104.47 AC±; 127.53 AC±; 96 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 6,734' TVD 14,347' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1815 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



COUNTY NAME PERMIT

07/17/2016