



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

January 10, 2017
PERMIT MODIFICATION APPROVAL
Horizontal 6A / Horizontal 6A Well - 1

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET

DENVER, CO 80202

Re: Permit Modification Approval for WESTERN UNIT 1H
47-085-10293-00-00

Lateral Extension

ANTERO RESOURCES CORPORATION

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.


James A. Martin
Chief

Operator's Well Number: WESTERN UNIT 1H
Farm Name: DARRELL A. NOLAND, ET AL
U.S. WELL NUMBER: 47-085-10293-00-00
Horizontal 6A / Horizontal 6A Well - 1
Date Issued: January 10, 2017

Promoting a healthy environment.

01/13/2017

API# 47-085-10293 PERMIT MODIFICATION

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Antero Resources Corporation 494507062 085 - Ritchie Clay Pennsboro 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: Western Unit 1H Well Pad Name: Existing Noland Pad

3) Farm Name/Surface Owner: Darrell A. Noland, et al Public Road Access: CR 50/22

4) Elevation, current ground: 1143' Elevation, proposed post-construction: 1143'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale: 6500' TVD, Anticipated Thickness- 75 feet, Associated Pressure- 2800#

8) Proposed Total Vertical Depth: 6500' TVD

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 19400' MD

11) Proposed Horizontal Leg Length: 11367'

12) Approximate Fresh Water Strata Depths: 54', 135', 227'

13) Method to Determine Fresh Water Depths: Fresh Water Depths from Penns Park Unit 1H (API# 47-085-10099) on same pad.

14) Approximate Saltwater Depths: 1658', 1705', 1747'

15) Approximate Coal Seam Depths: 798', 1225'

16) Approximate Depth to Possible Void (coal mine, karst, other): None Anticipated

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes No

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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API# 47-085-10293 PERMIT MODIFICATION

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	20"	New	H-40	94#	40'	40'	CTS, 38 Cu. Ft.
Fresh Water	13-3/8"	New	J-55/H-40	54.5#/48#	300'	300'	CTS, 417 Cu. Ft.
Coal	9-5/8"	New	J-55	36#	2400'	2400'	CTS, 977 Cu. Ft.
Intermediate							
Production	5-1/2"	New	P-110	20#	19400'	19400'	4957 Cu. Ft
Tubing	2-3/8"	New	N-80	4.7#		7100'	
Liners							

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
Conductor	30"	24"	0.438"	1530	50	Class A	1.18
Fresh Water	13-3/8"	17-1/2"	0.38"/0.33"	2730/1730	1000	Class A	1.18
Coal	9-5/8"	12-1/4"	0.352"	3520	1500	Class A	1.18
Intermediate							
Production	5-1/2"	8-3/4" & 8-1/2"	0.361"	12,630	2500	Lead-H/POZ & Tail - H	H/POZ-1.44 & H-1.8
Tubing	2-3/8"	4.778"	0.19"	11,200			
Liners							

PACKERS

Kind:	N/A			
Sizes:	N/A			
Depths Set:	N/A			

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API# 47-085-10293 PERMIT MODIFICATION

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill, perforate, fracture a new horizontal shallow well and complete Marcellus Shale.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

Antero plans to pump Slickwater into the Marcellus Shale formation in order to ready the well for production. The fluid will be comprised of approximately 99 percent water and sand, with less than 1 percent special-purpose additives as shown in the attached "List of Anticipated Additives Used for Fracturing or Stimulating Well."

Anticipated Max Pressure - 9300 lbs
Anticipated Max Rate - 80 bpm

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 18.62 acres

22) Area to be disturbed for well pad only, less access road (acres): 8.85 acres

23) Describe centralizer placement for each casing string:

Conductor: no centralizers
Surface Casing: one centralizer 10' above the float shoe, one on the insert float collar and one every 4th joint spaced up the hole to surface.
Intermediate Casing: one centralizer above float joint, one centralizer 5' above float collar and one every 4th collar to surface.
Production Casing: one centralizer at shoe joint and one every 3 joints to top of cement in intermediate casing.

24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A cement.
Surface: Class A cement with 2-3% calcium chloride and 1/4 lb of flake
Intermediate: Class A cement with 1/4 lb of flake, 5 gallons of clay treat
Production: Lead cement- 50/50 Class H/Poz + 1.5% salt + 1% C-45 + 0.5% C-16a + 0.2% C-12 + 0.45% C-20 + 0.05% C-51
Production: Tail cement- Class H + 45 PPS Calcium Carbonate + 1.0% FL-160 + 0.2% ACGB-47 + 0.05% ACSA-51 + 0.2% ACR-20

25) Proposed borehole conditioning procedures:

Conductor: blowhole clean with air, run casing, 10 bbls fresh water.
Surface: blowhole clean with air, trip to conductor shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate pipe capacity + 40 bbls fresh water followed by 25 bbls bentonite mud, 10 bbls fresh water spacer.
Intermediate: blowhole clean with air, trip to surface casing shoe, trip to bottom, blowhole clean with air, trip out, run casing, circulate 40 bbls brine water followed by 10 bbls fresh water and 25 bbls bentonite mud, pump 10 bbls fresh water.
Production: circulate with 14 lb/gal NaCl mud, trip to middle of lateral, circulate, pump high viscosity sweep, trip to base of curve, pump high viscosity sweep, trip to top of curve, trip to bottom, circulate, pump high viscosity sweep, trip out, run casing, circulate 10 bbls fresh water, pump 48 bbls barite pill, pump 10 bbls fresh water followed by 48 bbls mud flush and 10 bbls water.

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*Note: Attach additional sheets as needed.



AOR Western-Piper Units

47085064590000



Western Unit 1H

47085082070000



47085091540000



47085091530000



47085100960000



0 1,363
FEET

01/13/2017

WESTERN UNIT 1H (NOLAND PAD) - AREA OF REVIEW 35-8-5.11 PAGE 2

UWI (API/UM)	Well Name	Operator	TD	ELEV_GR	TD (SSTVD)	Gross Perf Interval (ft)	Producing Formations	Productive formations not Perf'd
47085100960000	TAYLOR	EQT PRODUCTION CO	12433	1119	-5250	8237-12433	Marcellus	Keener, Big Injun, Weir, Berea, Gordon, Warren, Speechley, Balltown, Bradford, Alexander, Riley, Benson
47085064590000	HAZELBAKER BRENDEN	RARE EARTH MINERALS	5900	1086	-4814	Not Reported	Not Reported	N/A
47085082070000	BOYMAN ROBERT & OGDEN VIOLET	ENERGY CORP OF AMER	5600	1175	-4425	4644-5287	Riley, Benson, Alexander	Keener, Big Injun, Weir, Berea, Gordon, Warren, Speechley, Balltown, Bradford
47085091540000	WILSON	GASSEARCH CORPORATION	5038	1089	-3949	2050-4828	Big Injun, Balltown, Riley, Benson	Keener, Weir, Berea, Gordon, Warren, Speechley, Bradford, Alexander,
47085091530000	WILSON	GASSEARCH CORPORATION	4880	966	-3914	1932-4713	Big Injun, Balltown, Riley, Benson	Keener, Weir, Berea, Gordon, Warren, Speechley, Bradford, Alexander

01/13/2017

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

(1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;

(2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>Mary V. Wedekamm Lease</u>			
Mary V. Wedekamm	Kepco, Inc.	1/8	0161/0687
Kepco, Inc.	Union Drilling, Inc.	Merger	Corporation Record 0004/0322
Union Drilling, Inc.	Equitable Resources Exploration, Inc.	Merger	Corporation Record 0004/0673
Equitable Resources Exploration, Inc.	Equitable Resources Energy Company	Confirmatory Deed & Assignment	0230/0047
Equitable Resources Energy Company	Mike Ross, Inc.	Assignment	0223/0575
Mike Ross, Inc.	Antero Resources Appalachian Corporation	Assignment	0262/0164
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
<u>The Haught Family Trust Lease</u>			
The Haught Family Trust, Ira M. Haught, Trustee	Antero Resources Corporation	1/8+	0272/0974
<u>Sarah J.B. Hunel Lease</u>			
Sarah J. B. Hunel	Antero Resources Corporation	1/8+	0274/0938
<u>Carroll Shinn, et al Lease</u>			
Carroll Shinn, et al	West Virginia Energies, Inc.	1/8	0149/0398
West Virginia Energies, Inc.	C & P Oil & Gas Company, Inc.	Assignment	0157/0296
C & P Oil & Gas Company, Inc.	Rare Earth Energy, Inc.	Assignment	0191/0762
Rare Earth Energy, Inc.	Stephen L. Thompson	Assignment	0236/0001
Stephen L. Thompson	Tri-County Oil & Gas, Inc.	Assignment	0236/0237
Tri-County Oil & Gas, Inc.	May Gas, Inc.	Assignment	0239/0229
May Gas, Inc.	Harper Crosby Holdings, LLC	Assignment	0265/0872
Harper Crosby Holdings, LLC	Piney Holdings, Inc.	Assignment	0265/0910
Piney Holdings, Inc.	Antero Resources Corporation	*Partial Assignment	0275/0625
<u>Larry Gander, et ux Lease</u>			
Larry Gander, et ux	Antero Resources Appalachian Corporation	1/8+	0265/0732
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
<u>Champion Agate Co., Inc. Lease (B)</u>			
Champion Agate Co., Inc.	Antero Resources Corporation	1/8+	0297/0709
<u>Larry Gander, et ux Lease (A)</u>			
Larry Gander & Lois S. Gander	Antero Resources Corporation	1/8+	0264/0622

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*Partial Assignments to Antero Resources Corporation include 100% rights to extract, produce and market the oil and gas from the Marcellus and any other formations completed with this well.

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>Larry Gander, et ux Lease (C,D,E,F,G)</u> Larry Gander & Lois S. Gander	Antero Resources Corporation	1/8+	0264/0622
<u>WVSRA Lease</u> West Virginia State Rail Authority	Antero Resources Corporation	1/8+	0253/0409
<u>Muncy G. Stone Lease</u> Muncy G. Stone	Antero Resources Corporation	1/8+	0302/0128
<u>Bruceton Farm Ser. Inc. Lease</u> Bruceton Farm Ser. Inc.	Antero Resources Corporation	1/8+	0270/0877
<u>Waco Oil & Gas Lease</u> Waco Oil & Gas	Antero Resources Corporation	1/8+	0299/0877
<u>Roger's Properties, LLC Lease</u> Roger's Properties, LLC	Antero Resources Corporation	1/8+	0277/0225
<u>Ritchie Co. Commission Lease</u> Ritchie County Commission	Antero Resources Corporation	1/8+	0277/0186
<u>William H. Snider Lease</u> William H. Snider Ritchie Petroleum Corporation	Ritchie Petroleum Corporation Antero Resources Corporation	1/8 Assignment	0258/0335 0258/1032
<u>Anna M. Moore Lease</u> Anna M. Moore	Antero Resources Corporation	1/8+	0277/0209
<u>William F. Zickefoose Lease</u> William F. Zickefoose	Antero Resources Corporation	1/8+	0303/392
<u>L & M Investment Company, LLC Lease</u> L & M Investment Company, LLC	Antero Resources Corporation	1/8+	0301/0404
<u>John J. Meyer III, et ux Lease</u> John J. Meyer III, et ux	Antero Resources Corporation	1/8+	0267/0677

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Guy Wilson, et al Lease			
Guy Wilson, et al	H.W. Stephan	1/8	0046/0139
H.W. Stephan	O.C. Pratt	Assignment	0059/0453
O.C. Pratt	Columbia I. Collins	Assignment	0069/0153
Columbia I. Collins	Edward E. Smyth	Assignment	0110/0027
Edward E. Smyth	Robert L. Williams	Assignment	0112/0226
Robert L. Williams	Willard Flanagan	Assignment	0114/0494
Willard Flanagan	Gary L. Riddle	Assignment	0193/0581
Gary L. Riddle	Ritchie Petroleum Corporation	Assignment	0245/0796
Ritchie Petroleum Corporation	Charity Gas, Inc.	Assignment	0222/0739
Charity Gas, Inc.	Antero Resources Appalachian Corporation	Assignment	0258/0439
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
John J. Meyer III, et ux Lease			
John J. Meyer III, et ux	Antero Resources Corporation	1/8+	0267/0677
Violet Ogden Lease			
Violet Ogden	Annie B. Haymond	1/8	0211/0670
Annie B. Haymond	Eastern American Energy Corp.	Assignment	0217/0383
Eastern American Energy Corp.	Energy Corporation of America	Assignment	0250/0393
Energy Corporation of America	Antero Resources Appalachian Corporation	Assignment	0257/0377
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	Exhibit 1
Rosann Conley, et ux Lease			
Rosann Conley, et ux	Antero Resources Corporation	1/8+	0263/0757
Nellie R. Waller Lease			
Nellie R. Waller	Antero Resources Corporation	1/8+	0303/0373
Waco Oil & Gas Co., Inc. Lease			
Waco Oil & Gas Co., Inc.	Antero Resources Corporation	1/8+	0299/0172
EQT Lease			
EQT Production Company, LLC	Antero Resources Corporation		
Rosann Conley Lease			
Rosann Conley	EQT Production Company, LLC	1/8	0253/0024
EQT Production Company, LLC	Antero Resources Corporation	Notice of Agreement	0302/0492

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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Richard H. Barnard Lease	Richard H. Barnard	Antero Resources Corporation	1/8+	0300/0148

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**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Antero Resources Corporation
 By: Robert S. Tucker
 Its: VP of Geology

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**FORM WW-6A1
EXHIBIT 1**

FILED
JUN 10 2013

Natalie E. Tennant
Secretary of State
1900 Kanawha Blvd E
Bldg 1, Suite 157-K
Charleston, WV 25305



Penney Barker, Manager
Corporations Division
IN THE OFFICE OF
SECRETARY OF STATE
Tel: (304)558-8000
Fax: (304)558-8381
Website: www.wvgsos.com
E-mail: business@wvgsos.com

FILE ONE ORIGINAL
(Two if you want a filed stamped copy returned to you)
FEE: \$25.00

**APPLICATION FOR
AMENDED CERTIFICATE
OF AUTHORITY**

Office Hours: Monday - Friday
8:30 a.m. - 5:00 p.m. ET

**** In accordance with the provisions of the West Virginia Code, the undersigned corporation hereby ****
applies for an Amended Certificate of Authority and submits the following statement:

1. Name under which the corporation was authorized to transact business in WV: Antero Resources Appalachian Corporation
2. Date Certificate of Authority was issued in West Virginia: 6/25/2008
3. Corporate name has been changed to: Antero Resources Corporation
(Attach one Certified Copy of Name Change as filed in home State of Incorporation.)
4. Name the corporation elects to use in WV: Antero Resources Corporation
(due to home state name not being available)
5. Other amendments: (attach additional pages if necessary)

6. Name and phone number of contact person. (This is optional, however, if there is a problem with the filing, listing a contact person and phone number may avoid having to return or reject the document.)
Alvyn A. Schopp (303) 367-7310
Contact Name Phone Number

7. Signature information (See below **Important Legal Notice Regarding Signature*):

Print Name of Signer: Alvyn A. Schopp Title/Capacity: Authorized Person

Signature: *Alvyn A. Schopp* Date: June 10, 2013

**Important Legal Notice Regarding Signature:* Per West Virginia Code §31D-1-129. Penalty for signing false document. Any person who signs a document he or she knows is false in any material respect and knows that the document is to be delivered to the secretary of state for filing is guilty of a misdemeanor and, upon conviction thereof, shall be fined not more than one thousand dollars or confined in the county or regional jail not more than one year, or both.

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LATITUDE 39°20'00"

5,615'

2,302' TO BOTTOM HOLE

LATITUDE 39°17'30"

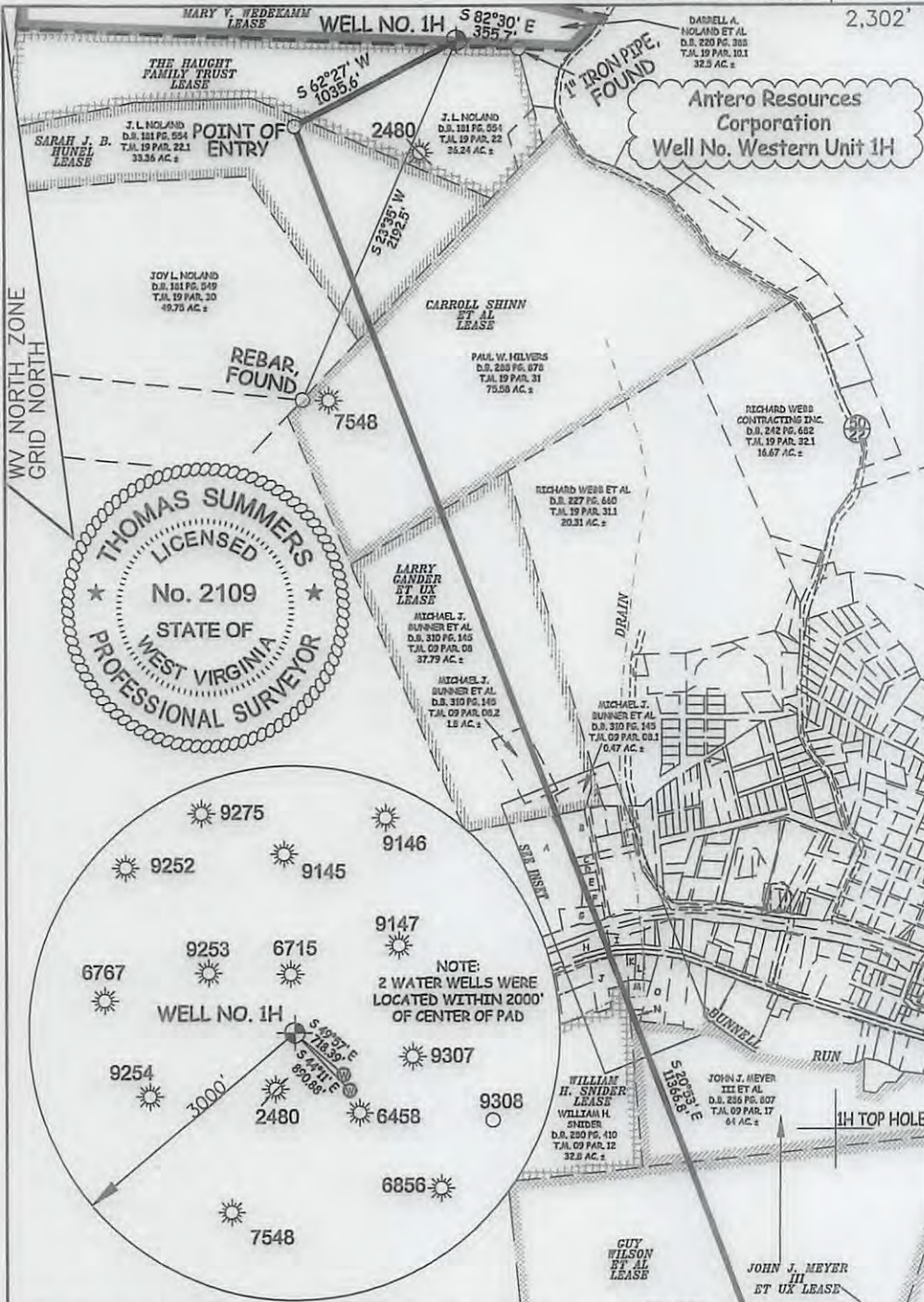
LONGITUDE 80°57'30"

12,573'

LONGITUDE 80°57'30"

COUNTY NAME

PERMIT

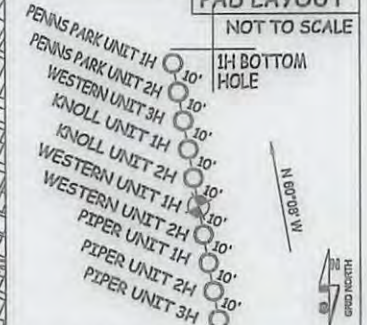


(NAD 27 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 14,270,735ft E: 1,646,591ft
 POINT OF ENTRY INFORMATION:
 N: 14,270,241ft E: 1,645,681ft
 BOTTOM HOLE INFORMATION:
 N: 14,259,694ft E: 1,649,908ft

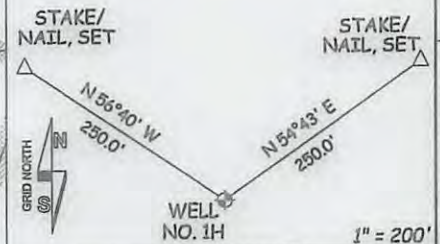
NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 294,386ft E: 1,581,691ft
 LAT: 39°17'55.73" LON: 80°58'41.43"
 BOTTOM HOLE INFORMATION:
 N: 283,287ft E: 1,584,825ft
 LAT: 39°16'06.55" LON: 80°57'59.27"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,349,946m E: 501,896m
 BOTTOM HOLE INFORMATION:
 N: 4,346,581m E: 502,908m

PAD LAYOUT
 NOT TO SCALE



REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

47 - 085 - 10293 H6A MOD
 STATE COUNTY PERMIT

JOB # 16-022WA
 DRAWING # WESTERN1HR
 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
 THOMAS SUMMERS P.S. 2109
 DATE 11/07/16
 OPERATOR'S WELL# WESTERN UNIT #1H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,159' ORIGINAL - 1,143' AS DRILLED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER DARRELL A. NOLAND ET AL ACREAGE 32.5 ACRES +/-
 OIL & GAS ROYALTY OWNER SEE ATTACHED PAGES LEASE ACREAGE SEE ATTACHED PAGES

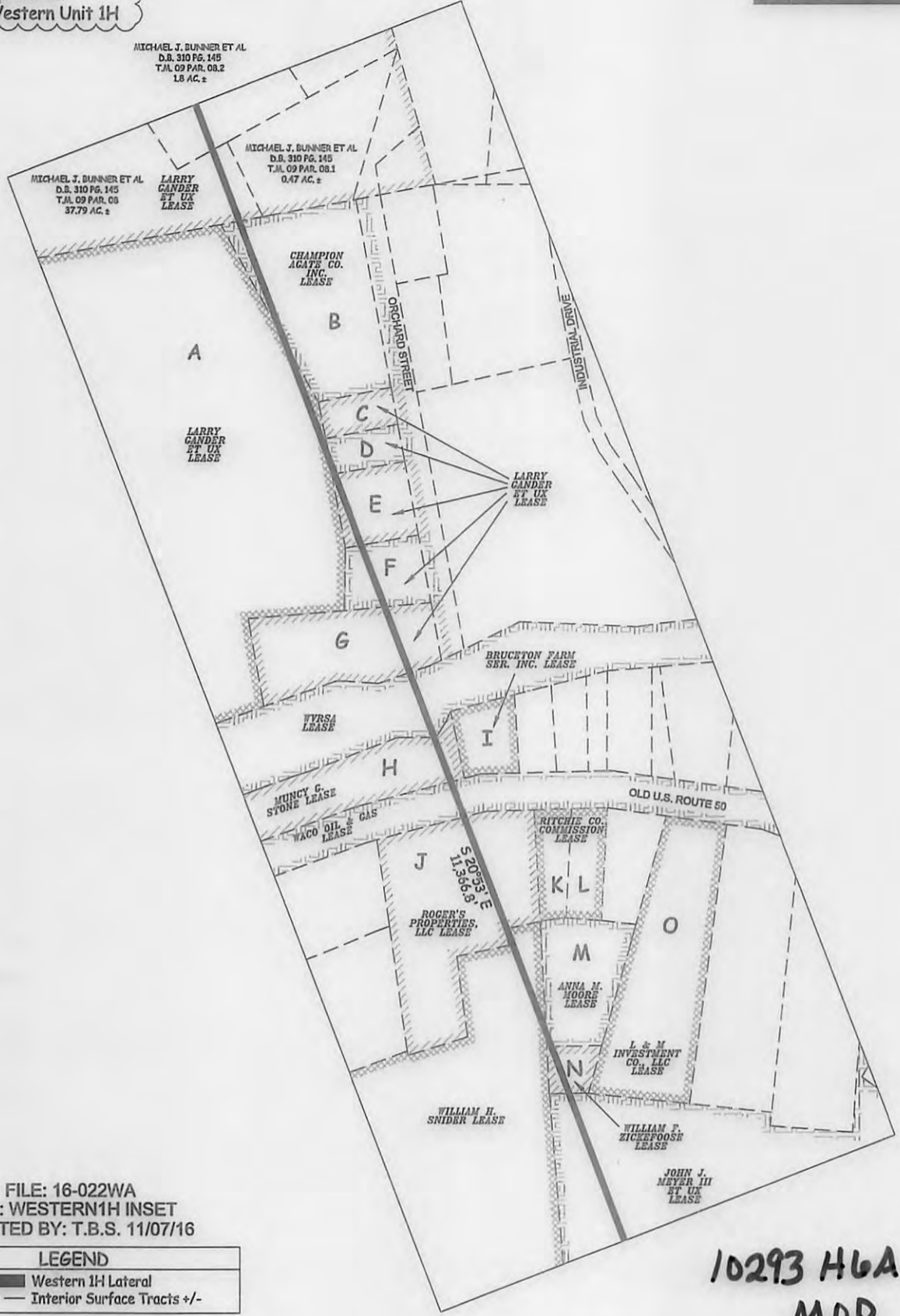
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
 (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,500' TVD 19,400' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

01/13/2017

INSET

Antero Resources Corporation
Well No. Western Unit 1H

WV NORTH ZONE
GRID NORTH



FILE: 16-022WA
JOB: WESTERN1H INSET
DRAFTED BY: T.B.S. 11/07/16

LEGEND	
	Western 1H Lateral
	Interior Surface Tracts +/-

10293 H6A
MOD

- A - HELEN J. MICHELS D.B. 208 PG. 589 T.M. 03 PAR. 01.1 16.018 AC.±
- B - CHAMPION AGATE CO. INC. D.B. 265 PG. 7 T.M. 03 PAR. 06 0.84 AC.±
- C - BRYAN C. DAVIS D.B. 319 PG. 212 T.M. 03 PAR. 04 LOT
- D - BRYAN C. DAVIS D.B. 319 PG. 212 T.M. 03 PAR. 05 LOT
- E - BRYAN DAVIS D.B. 311 PG. 928 T.M. 03 PAR. 07 LOT
- F - RICHARD G. SPURGEON D.B. 126 PG. 330 T.M. 03 PAR. 08 LOT
- G - MARY HAZELBAKER EST W.B. 37 PG. 338 T.M. 03 PAR. 01 0.582 AC.±
- H - MUNCY G. STONE T.M. 03 PAR. 19 LOT
- I - BRUCETON FARM SER. INC. D.B. 279 PG. 214 T.M. 04 PAR. 194 LOT
- J - ROGER'S PROPERTIES LLC D.B. 312 PG. 362 T.M. 03 PAR. 42 1.264 AC.±
- K - RITCHIE CO. COMMISSION D.B. 182 PG. 322 T.M. 04 PAR. 268 LOT
- L - RITCHIE CO. COMMISSION D.B. 181 PG. 691 T.M. 04 PAR. 269 LOT
- M - ANNA M. MOORE D.B. 279 PG. 1010 T.M. 04 PAR. 271 LOT
- N - WILLIAM F. ZICKEFOOSE D.B. 296 PG. 567 T.M. 04 PAR. 271.1 LOT
- O - L & M INVESTMENT CO. LLC. D.B. 318 PG. 605 T.M. 04 PAR. 272 LOT

01/13/2017

WILLOW
• LAND SURVEYING PLLC •

P.O. BOX 17
PENNSBORO, WV 26415
304-659-1717

SCALE: 1-INCH = 200-FEET



WV Department of
Environmental Protection