



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, January 18, 2022
PERMIT MODIFICATION APPROVAL
New Drill / Modification/ Lateral Extension

ANTERO RESOURCES CORPORATION
1615 WYNKOOP STREET
DENVER, CO 80202

Re: Permit Modification Approval for MAXSON UNIT 1H
47-085-10412

Extending Lateral

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.

A blue ink signature of James A. Martin, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: MAXSON UNIT 1H
Farm Name: ANTERO RESOURCES CORPORATION
U.S. WELL NUMBER: 47-085-10412
New Drill Modification/ Lateral Extension
Date Modification Issued: 01/18/2022

Promoting a healthy environment.

01/21/2022

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

Clk# 4003487
\$5000⁰⁰⁰
12/21/21

1) Well Operator: Antero Resources Corporation 494507062 085-Ritchie Union Pullman/Oxford7
Operator ID County District Quadrangle

2) Operator's Well Number: Maxson Unit 1H Well Pad Name: Weekley West Pad

3) Farm Name/Surface Owner: Antero Resources Corporation Public Road Access: Co Rd 22/3

4) Elevation, current ground: 1,138' Elevation, proposed post-construction: 1,125'

5) Well Type (a) Gas Oil Underground Storage

Other

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Shale, 7,000 TVD, Anticipated Thickness 55', Associated Pressure 2,850#

JCB
1/5/2022

8) Proposed Total Vertical Depth: 7,000'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 23,200'

11) Proposed Horizontal Leg Length: 13,752'

12) Approximate Fresh Water Strata Depths: 258', 330', 478'

13) Method to Determine Fresh Water Depths: Reference wells 08508569, 0850858, 08508582 Depths have been adjusted according to surface elevations

14) Approximate Saltwater Depths: 1,015' (reference well 08503139), 1,976' (reference well 08507618)

15) Approximate Coal Seam Depths: 734' (reference well 08507618), 1,495' (reference well 08503139)

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: _____

RECEIVED
Office of Oil and Gas
DEC 27 2021
WV Department of
Environmental Protection

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	80'	80' ✓	CTS, 77 Cu. Ft.
Fresh Water	13-3/8	New	J/K-55	54.5#	528'	528' ✓	CTS, 550 Cu. Ft.
Coal	9-5/8	New	J/K-55	36#	2500'	2500' ✓	CTS, 1018 Cu. Ft.
Intermediate							
Production	5-1/2	New	PY-110	23#	23,200'	23,200' ✓	CTS, 4918 Cu. Ft.
Tubing	2-3/8	New	N-80	4.7#			
Liners							

JEB
1/5/2022

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	24"	0.438"	1530	50	Class A	~1.18
Fresh Water	13-3/8	17-1/2"	0.380"	2730	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	8-3/8" & 8-1/2"	0.415"	12,630	9300		
Tubing	2-3/8	4.778"	0.190"	11,200		Lead H/POZ & Tab H	H/POZ-1.44 & H-1.8
Liners							

PACKERS

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

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

JCB
1/5/2022

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 58.63

22) Area to be disturbed for well pad only, less access road (acres): 8.23

23) Describe centralizer placement for each casing string:

Conductor: No centralizers.
Surface Casing: One centralizer 10' above the float shoe and one every 4th joint spaced up the hole to surface.
Intermediate Casing: One centralizer above float joint, one centralizer 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.

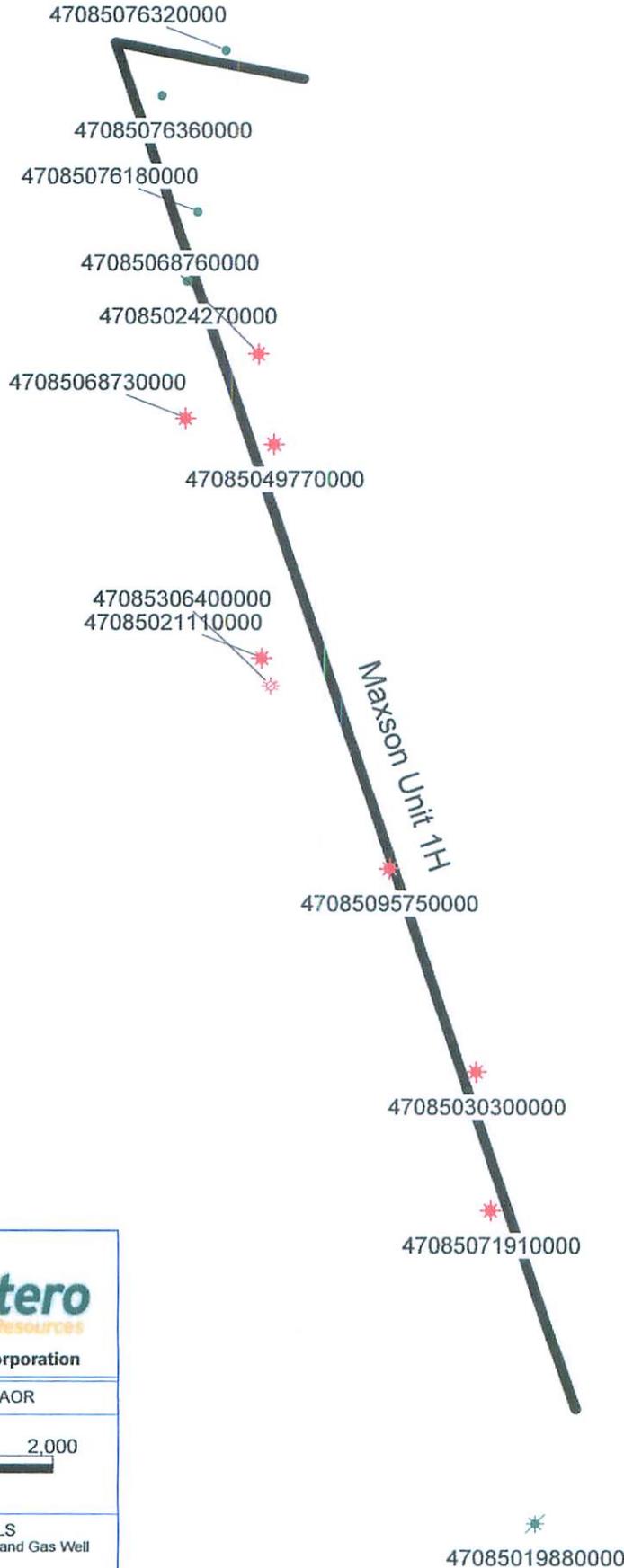
24) Describe all cement additives associated with each cement type:

Conductor: no additives, Class A cement.
Surface Casing: Class A cement with 2-3% calcium chloride and 1/4 lb of flake.
Intermediate Casing: Class A cement with 1/4 lb of flake, 5 gallons of clay treat.
Production Casing 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 Casing Tail Cement: Class H + 45 PPS Calcium Carbonate + 1.0% Flake + 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.

*Note: Attach additional sheets as needed.



Antero Resources Corporation

Maxson Unit 1H - AOR



- WELL SYMBOLS
- Abandoned Oil and Gas Well
 - Gas Well
 - Oil Well
 - Plugged Gas Well

December 20, 2021

RECEIVED
Office of Oil and Gas
DEC 27 2021
WV Department of
Environmental Protection

01/21/2022

UWI (APINum)	Well Name	Well Number	Operator	Historical Operator	TD	Perforated Interval (shallowest, deepest)	Perforated Formation(s)	Producible Formation(s) not perf'd
47085076320000	DOTSON T D	3	RITCHIE PET CORP	HOPE CONSTR & REFG	2,062	2017 - 2023	Big Injun	Warren, Speechly, Balltown, Riley, Benson
47085076360000	MARTIN HRS	4	RITCHIE PET CORP	HOPE CONSTR & REFG	1,988	1953 - 1958	Big Injun	Alexander, Gordon, Berea
47085076180000	DEBRULAR JOHN	7	RITCHIE PET CORP	HOPE CONSTR & REFG	1,851	1820 - 1830	Big Injun	Alexander, Gordon, Berea
47085024270000	EARL PIERCE	1	RITCHIE PET CORP	STRICKLIN C A	2,026		Squaw	Alexander, Gordon, Berea
47085068760000	PIERCE FLORENCE R ET AL	D1	BOWYER DAVID	FOX DRILLING	5,085	3218 - 5033	Lower Huron, Angola	Alexander, Gordon, Berea
47085068730000	PIERCE FLORENCE R ET AL	1C	BOWYER DAVID	FOX DRILLING	5,138	3304 - 5106	Lower Huron, Angola	Alexander, Gordon, Berea
47085049770000	SPIKER B Z & A W	2	BETA HELIX ENRGY LLC	CHASE PETROLEUM CO	5,105	4171 - 4853	Balltown, Riley, Benson, Alexander	Gordon, Berea
47085021110000	G SPIKER	1	ZICKEFOOSE W F & R L	MOSSOR W H	1,824		Big Injun, Weir	Alexander, Gordon, Berea
47085306400000	MANLEY B ZINN 1	4920	PITTSBURGH&W VA GAS	PITTSBURGH&W VA GAS	1,827		Big Injun, Squaw	Alexander, Gordon, Berea
47085095750000	SPIKER M	3	KEY OIL CO	KEY OIL CO	2,930	2108 - 2738	Big Injun, Gordon	Berea
47085030300000	HARRY H SHEETS	1	DEEM J F O & G LLC	FERRELL WILLARD E	2,042		Big Injun	Alexander, Gordon, Berea
47085071910000	S FORK HNTG CLB	A-1347	AMERICAN ENR HOLDING	ALAMCO INC	5,995	2153 - 4164	Big Injun, Weir, Bradford	Alexander, Gordon, Berea
47085019880000	J C HUDKINS	1	ALLEGHENY LAND&MNRL	ALLEGHENY LAND&MNRL	1,870		Big Injun	Alexander, Gordon, Berea

LATITUDE 39°12'30" 109'

LATITUDE 39°10'00"

9,314' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Maxson Unit 1H

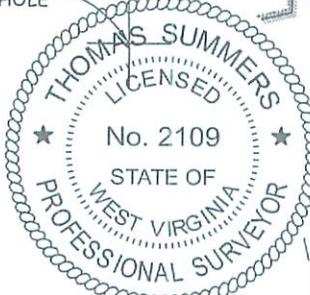
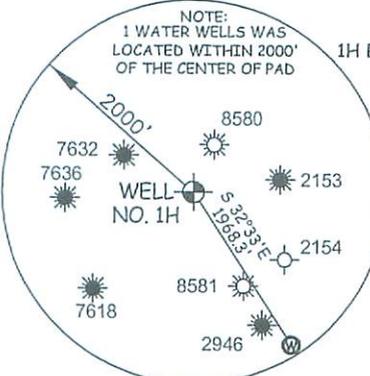
NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 246,886ft E: 1,610,057ft
LAT: 39°10'10.75" LON: 80°52'31.39"
BOTTOM HOLE INFORMATION:
N: 234,007ft E: 1,612,475ft
LAT: 39°08'03.83" LON: 80°51'58.20"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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: 4,335,620m E: 510,780m
BOTTOM HOLE INFORMATION:
N: 4,331,708m E: 511,582m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,223,733ft E: 1,675,735ft
POINT OF ENTRY INFORMATION:
N: 14,223,925ft E: 1,673,966ft
BOTTOM HOLE INFORMATION:
N: 14,210,901ft E: 1,678,366ft

NOTE
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.

NOTE:
1 WATER WELLS WAS LOCATED WITHIN 2000' OF THE CENTER OF PAD



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 PRESCRIBED 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

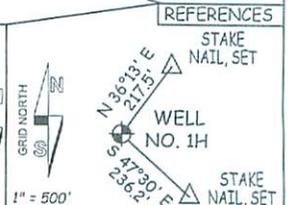
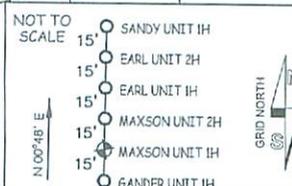
JOB # 15-059WA
DRAWING # MAXSON1HR2
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
— Surface Owner Boundary Lines +/-
- - - Adjoining Surface Tracts +/-
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

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

DATE 12/21/21
OPERATOR'S WELL# MAXSON UNIT #1H



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10412
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT

LOCATION: ELEVATION 1,138' - ORIGINAL 1,125' - PROPOSED WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE TH - PULLMAN 7.5' BH - OXFORD 7.5' DISTRICT UNION COUNTY

SURFACE OWNER DAVID W. & DAVID MARTIN WEEKLEY ACREAGE 39.87 ACRES +/-

OIL & GAS ROYALTY OWNER T.D. DOTSON ET UX; ALMA J. MARTIN ET AL; DAVID W. WEEKLEY ET AL; LEASE ACREAGE 39.87 AC. ±; 39.88 AC. ±; 71 AC. ±;
JOHN M. DEBRULAR ET UX; LEWIS EARL PIERCE ET UX; BRADFORD SPIKER ET UX; SUSAN V. DRENNAN REVOCABLE TRUST; 154 AC. ±; 82 AC. ±; 52 AC. ±; 49 AC. ±;

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER X REDRILL ___ FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BHL

TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG
WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 7,000' TVD 23,200' MD

ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

PERMIT

Union District - Ritchie County

14-19	David W. Weekley
20-3	David W. Weekley
20-4	David W. Weekley
20-7	David W. Weekley
20-8	David W. Weekley
20-9	Albin Gesek
20-10	David W. Weekley
20-11.1	Antero Resources Corp.
20-11.4	Bryan Ireland
20-12	Albin Gesek
20-12.1	Albin Gesek
20-13	David Pierce
20-13.1	Dallas Smith
20-17	Christopher Cross
20-18	Richard Pierce
20-19	Charles Adams
20-20	Mark Spiker
20-21	Charles Adams
21-3	Dallas Smith
21-5	James Beek
26-6	Mark Spiker
26-6.1	Earl Flesher
26-7	Donald Sheets
26-8	Mark Spiker
26-9	Donald Sheets
26-14	Mark Spiker
26-14.1	Mark Spiker
26-15	Mark Spiker
26-16	South Fork Sportsmen Assn, Inc.
26-16.1	South Fork Sportsmen Assn, Inc.
26-17	South Fork Sportsmen Assn, Inc.
26-26	Marvin Brissey
26-27	South Fork Sportsmen Assn, Inc.
26-30	South Fork Sportsmen Assn, Inc.
27-1	Linda Jennings
27-1.1	Linda Jennings
27-2	Randall Hess
27-3	Steven Lusk
27-3.4	Kent Grojan
27-3.5	Joshua Friedman
27-3.6	Lillian Martin
27-11	Miles Ball
27-15	Randall Pierce
27-15.1	Randall Pierce
27-16	Clarence Bush
27-20	South Fork Sportsmen Assn, Inc.
27-21	Maxson Land LLC
27-22	Clarence Bush
32-1	Stanley Echard
32-1.3	Stanley Echard
32-2	Harold Pierce

11,753' TO BOTTOM HOLE

14,088'

LONGITUDE 80°50'00"

TOP HOLE

LONGITUDE 80°52'30"

COUNTY NAME

PERMIT

0-1721/2022

Antero Resources Corporation Well No. Maxson Unit 1H

NOTES:

WELL 1H TOP HOLE INFORMATION: N: 246,886ft E: 1,610,057ft LAT: 39°10'10.75" LON: 80°52'31.39" BOTTOM HOLE INFORMATION: N: 234,007ft E: 1,612,475ft LAT: 39°08'03.83" LON: 80°51'58.20" 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.

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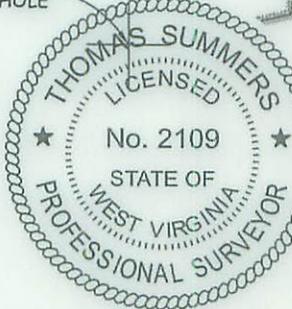
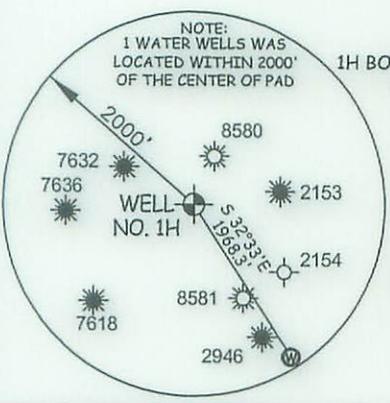


Table listing landowners and lease information for the area, including names like David W. Weekley, Albin Gesek, and various sportsmen associations.

11,753' TO BOTTOM HOLE

14,088'

LONGITUDE 80°50'00"

LONGITUDE 80°52'30"

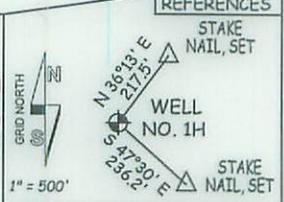
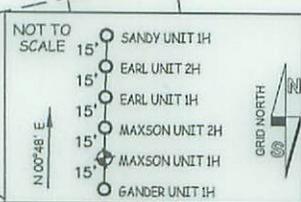
I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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

JOB # 15-059WA DRAWING # MAXSON1HR2 SCALE 1" = 2000' 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 +/-, Adjoining Surface Tracts +/-, Found monument, as noted. Signature of Thomas Summers, P.S. 2109. DATE 12/21/21 OPERATOR'S WELL# MAXSON UNIT #1H



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10412 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 1,138' -ORIGINAL 1,125' -PROPOSED WATERSHED SOUTH FORK HUGHES RIVER QUADRANGLE TH - PULLMAN 7.5' BH - OXFORD 7.5' DISTRICT UNION COUNTY RITCHIE SURFACE OWNER DAVID W. & DAVID MARTIN WEEKLEY ACREAGE 39.87 ACRES +/- OIL & GAS ROYALTY OWNER T. D. DOTSON ET UX; ALMA J. MARTIN ET AL; DAVID W. WEEKLEY ET AL; LEASE ACREAGE 39.87 AC +/-; 39.88 AC +/-; 71 AC +/-; JOHN M. DEBRULAR ET UX; LEWIS EARL PIERCE ET UX; BRADFORD SPIKER ET UX; SUSAN V. DRENNAN REVOCABLE TRUST; 154 AC +/-; 82 AC +/-; 52 AC +/-; 49 AC +/-; DONALD J. SHEETS; MICHAEL I. SPIKER; GLEN MAXSON ET AL; HARRY H. SHEETS ET AL; ELVA MAXSON ET AL; ENOCH DOW MAXSON 89 AC +/-; 60.33 AC +/-; 142.62 AC +/-; 167.3 AC +/-; 240 AC +/-; 65 AC +/- PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER X REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 23,200' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

01/21/2022

COUNTY NAME

PERMIT

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>T.D. Dotson, et ux Lease</u>			
T.D. Dotson, et ux	J.T. Carter	1/8	0011/0297
J.T. Carter	The Carter Oil Company	Assignment	0011/0528
The Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Merger	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Assignment	0169/0756
Consolidation Gas Transmission Corporation	CNG Development Company	Assignment	0176/0601
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC	Assignment	0251/0648
CONSOL Energy Holdings, LLC	Consol Gas Company	Merger	0006/0576
Consol Gas Company	CNX Gas Company, LLC	Merger	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
<u>Alma J. Martin, et al Lease</u>			
Alma J. Martin, et al	The Carter Oil Company	1/8	0011/0589
The Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Conveyance	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Assignment	0169/0756
Consolidation Gas Transmission Corporation	CNG Development Company	Assignment	0176/0601
CNG Development Company	CNG Producing Company	Name Change	WVSOS
CNG Producing Company	Dominion Exploration & Production, Inc.	Merger	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	CONSOL Energy Holdings, LLC	Assignment	0251/0648
CONSOL Energy Holdings, LLC	Consol Gas Company	Merger	0006/0576
Consol Gas Company	CNX Gas Company, LLC	Name Change	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
<u>David W. Weekley, et al Lease</u>			
David W. Weekley, et al	Ritchie Petroleum Corporation	1/8	0221/0796
Ritchie Petroleum Corporation	Key Oil Company	Assignment	0226/0492
Key Oil Company	Antero Resources Appalachian Corporation	Assignment	0253/0747
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705
<u>John M. Debrular et al Lease</u>			
John M. Debrular and Susan J. Debrular his wife	W.W. Water	1/8	0011/0321
W.W. Water	M.G. Zinn	Assignment	0012/0370
M.G. Zinn	The Carter Oil Company	Assignment	0012/0373
The Carter Oil Company	Hope Construction and Refining Company	Assignment	0052/0194
Hope Construction and Refining Company	Hope Natural Gas Company	Assignment	0111/0520
Hope Natural Gas Company	Consolidation Gas Supply Corporation	Conveyance	0151/0436

01/21/2022

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)

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
Consolidation Gas Supply Corporation	Consolidation Gas Transmission Corporation	Conveyance	0169/0756
Consolidation Gas Transmission Corporation	CNG Development Company	Assignment	0176/0601
CNG Development Company	CNG Producing Company	Assignment	0058/0366
CNG Producing Company	Dominion Exploration & Production, Inc.	Name Change	0058/0366
Dominion Exploration & Production, Inc.	Dominion Transmission, Inc.	Assignment	0251/0621
Dominion Transmission, Inc.	Consol Energy Holdings, LLC XVI	Assignment	0251/0648
Consol Energy Holdings, LLC XVI	Consol Gas Company	Merger	0006/0576
Consol Gas Company	CNX Gas Company, LLC	Name Change	0006/0634
CNX Gas Company, LLC	Antero Resources Corporation	Assignment	0269/0429
✓ <u>Lewis Earl Pierce, et ux Lease</u>			
Lewis Earl Pierce, et ux	C.O. Wise	1/8	0086/0291
C.O. Wise	C.A. Stricklin	Assignment	0093/0360
C.A. Stricklin	Big A Oil Corporation	Assignment	0152/0591
Big A Oil Corporation	Lamar Oil & Gas Company, Inc	Assignment	0266/0031
Lamar Oil & Gas Company, Inc	Antero Resources Appalachian Corporation	Assignment	0257/0778
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	0015/0705
✓ <u>Bradford Spiker et ux Lease</u>			
Bradford Spiker et ux	Alton Skinner	1/8	132/392
Alton Skinner	Alton L Skinner II	Assignment	216/391
Alton L Skinner II	DC Petroleum Inc	Assignment	247/245
DC Petroleum Inc	Antero Resources Appalachian Corporation	Assignment	254/789
Antero Resources Appalachian Corporation	Antero Resources Corporation	Merger	15/705
✓ <u>Susan V Drennan Revocable Trust Lease</u>			
Susan V Drennan Revocable Trust	Antero Resources Corporation	1/8+	329/71
✓ <u>Donald J Sheets Lease</u>			
Donald J Sheets	Key Oil Company	1/8	244/246
Key Oil Company	Antero Resources Appalachian Corporation	Assignment	253/747
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	15/705
✓ <u>Michael I Spiker et al Lease</u>			
Michael I Spiker et al	Key Oil Company	1/8	240/222
Key Oil Company	Antero Resources Appalachian Corporation	Assignment	258/509
Antero Resources Appalachian Corporation	Antero Resources Corporation	Name Change	15/705
✓ <u>Glen Maxson Lease</u>			
Glen Maxson	Appalachian Well Services & Minerals Inc	1/8	178/581
Appalachian Well Services & Minerals Inc	Roger Gragg	Assignment	284/355
Roger Gragg	Antero Resources Corporations	Conveyed	284/532

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Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book/Page
<u>Harry H. Sheets et al Lease</u>			
Harry H. Sheets et al	Willard E. Farrell	1/8	86/115
Willard E. Farrell	Collen F. Selsor et al	Will	42/15
Collen F. Selsor et al	J. Frank Deem	Assignment	205/192
J. Frank Deem	CHK Louisiana LLC	Assignment	247/624
CHK Louisiana LLC	Chesapeake Appalachia LLC	Assignment	247/933
Chesapeake Appalachia LLC	SWN Production Company	Assignment	280/707
SWN Production Company	Antero Exchange Properties	Assignment	301/114
Antero Exchange Properties	Antero Resources Corporation	Merger	14/598
<u>Elva Maxson et al Lease</u>			
Elva Maxson et al	Hope Natural Gas Company	1/8	74/385
Hope Natural Gas Company	Allegheny Land and Mineral	Assignment	84/597
Allegheny Land and Mineral	Plymouth Oil Company	Assignment	86/39
Plymouth Oil Company	Allegheny Land and Mineral	Assignment	87/183
Allegheny Land and Mineral	Alamo Inc	Name Change	4/452
Alamo Inc	Columbia Natural Resources LLC	Merger	269/668
Columbia Natural Resources LLC	Chesapeake Appalachia LLC	Merger	8/296
Chesapeake Appalachia LLC	SWN Production Company	Assignment	280/707
SWN Production Company LLC	Antero Exchange Properties LLC	Assignment	301/114
Antero Exchange Properties LLC	Antero Resources Corporation	Merger	14/598
<u>Enoch Dow Maxson Lease</u>			
Enoch Dow Macson	J.F Deem	1/8	100/371
J.F Deem	J.F Deem Oil and Gas LLC	Merger	228/230
J.F Deem Oil and Gas LLC	Chesapeake Appalachia LLC	Assignment	247/891
Chesapeake Appalachia LLC	SWN Production Company	Assignment	280/707
SWN Production Company LLC	Antero Exchange Properties LLC	Assignment	301/114
Antero Exchange Properties LLC	Antero Resources Corporation	Merger	14/598

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Lease Name or
Elva Maxson et ux Lease

Elva Maxson et ux	Hope Natural Gas Company	1/8	81/249
Hope Natural Gas Company	Allegheny Land and Mineral	Assignment	84/597
Allegheny Land and Mineral	Plymouth Oil Company	Merger	86/39
Plymouth Oil Company	Allegheny Land and Mineral	Merger	87/183
Allegheny Land and Mineral	Alamo Inc	Name Change	WV SOS
Alamo Inc	Columbia Natural Resources LLC	Merger	269/668
Columbia Natural Resources LLC	Chesapeake Appalachia LLC	Merger	8/296
Chesapeake Appalachia LLC	SWN Production Company LLC	Assignment	280/707
SWN Production Company LLC	Antero Exchange Properties LLC	Assignment	301/114
Antero Exchange Properties LLC	Antero Resources Corporation	Merger	14/598

*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.

**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: Tim Rady
 Its: VP of Land



Stansberry, Wade A <wade.a.stansberry@wv.gov>

Expedited Horizontal H6A Well Work Permits Weekly West Pad

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>

Tue, Jan 18, 2022 at 2:15 PM

To: Mallory Stanton <mstanton@anteroresources.com>, Dani DeVito <ddevito@shalepro.com>, mhamsher@anteroresources.com, Douglas Newlon <douglas.c.newlon@wv.gov>, Arlene Mossor <amosor@wvassessor.com>

I have attached a copy of the newly issued well [permit](#) number. This will serve as your copy.

47-085-10412 - MAXSON UNIT 1H
47-085-10413 - MAXSON UNIT 2H
47-085-10416 - GANDER UNIT 1H

If you have any questions, then [please](#) contact us here at the Office of Oil and Gas.

Thank you,

Wade A. Stansberry

Environmental Resource Specialist 3

West Virginia Department of Environmental Protection

Office of Oil & Gas

601 57th St. SE

Charleston, WV 25304

(304) 926-0499 ext. 41115

(304) 926-0452 fax

Wade.A.Stansberry@wv.gov

3 attachments

 **47-085-10412 - mod.pdf**
3406K

 **47-085-10413 - mod.pdf**
3678K

 **47-085-10416 - mod.pdf**
3580K

01/21/2022