



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

Monday, September 25, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for Haggard 12H
47-103-03530-00-00

Lateral Extension

EQT PRODUCTION COMPANY

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 handwritten signature in blue ink, appearing to read 'J. Martin', is positioned above the name and title of the signatory.

James A. Martin
Chief

Operator's Well Number: Haggard 12H
Farm Name: Amie Lee Henderson
U.S. WELL NUMBER: 47-103-03530-00-00
Horizontal 6A New Drill
Date Modification Issued: 09/25/2023

Promoting a healthy environment.

09/29/2023

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

1) Well Operator: EQT Production Company 306686 Wetzel Center Littleton
Operator ID County District Quadrangle

2) Operator's Well Number: 12H Well Pad Name: Haggard

3) Farm Name/Surface Owner: Amie Lee Henderson Public Road Access: CR 8/2

4) Elevation, current ground: 1,519' (built) Elevation, proposed post-construction: 1,519' (built)

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, 7,600', 47', 2,620 psi

8) Proposed Total Vertical Depth: 7,600'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 20,079'

11) Proposed Horizontal Leg Length: 11,992'

12) Approximate Fresh Water Strata Depths: 465'

13) Method to Determine Fresh Water Depths: Offset Wells: 47-103-02236, 47-103-02647

14) Approximate Saltwater Depths: No salt water shows listed in offsets

15) Approximate Coal Seam Depths: 1,339'-1,342'; 1,437'-1,442'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

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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Stephen Mccoy
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09/29/2023

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	26	New	A252 GR3	85.6	68	68 ✓	50 ft ³ / CTS ✓
Fresh Water	13 3/8	New	J-55	54.5	1492	1492 ✓	1325 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2909	2909 ✓	1100 ft ³ / CTS
Production	6	New	P-110	24	20079	20079 ✓	500' above intermediate casing
Tubing							
Liners							

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	26	30	0.312	1000	18	Class A/L ✓	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A/L	1.04 - 1.20
Production	6	8 1/2	0.400	14580 ✓	11664	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

PACKERS

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Kind:				
Sizes:				WV Department of Environmental Protection
Depths Set:				

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

This well has been drilled to an MD of 7,117' EQT will continue drilling and complete a new horizontal well in the Marcellus Formation. We will resume drilling the curve from the tie in, drill the lateral in the Marcellus. Cement casing.

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

Hydraulic fracturing is completed in accordance with state regulations using water recycled from previously fractured wells and obtained from freshwater sources. This water is mixed with sand and a small percentage (less than 0.1%) of chemicals (including 15% Hydrochloric acid, friction reducer, biocide, and scale inhibitor), referred to in the industry as a "slickwater" completion. Maximum anticipated internal casing pressure is expected to be approximately 10,000 psi, maximum anticipated treating rates are expected to average approximately 100 bpm. Stage lengths vary from 150 to 300 feet. Average approximately 350,000 gallons of water per stage. Sand sizes vary from 100 mesh to 20/40 mesh. Average approximately 200,000-600,000 pounds of proppant per stage.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 15.24 acres (built)

22) Area to be disturbed for well pad only, less access road (acres): 8.84 acres (built)

23) Describe centralizer placement for each casing string:

- Surface: Bow spring centralizers – One centralizer at the shoe and one spaced every 500'.
- Intermediate: Bow spring centralizers– One centralizer at the shoe and one spaced every 500'.
- Production: One solid body centralizer spaced every other joint from production casing shoe to landing point. One solid body centralizer spaced every joint from landing point to planned top of cement. hoe to KOP.

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

- Conductor: No additives
- Surface: Calcium Chloride. Used to speed the setting of cement slurries
- Intermediate: Calcium Chloride. Used to speed the setting of cement slurries.
- Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Retarder, Anti-Settling/Suspension Agent

WV Department of
Environmental Protection

25) Proposed borehole conditioning procedures:

- Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
- Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
- Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

*Note: Attach additional sheets as needed.

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Stephen
Mccoy
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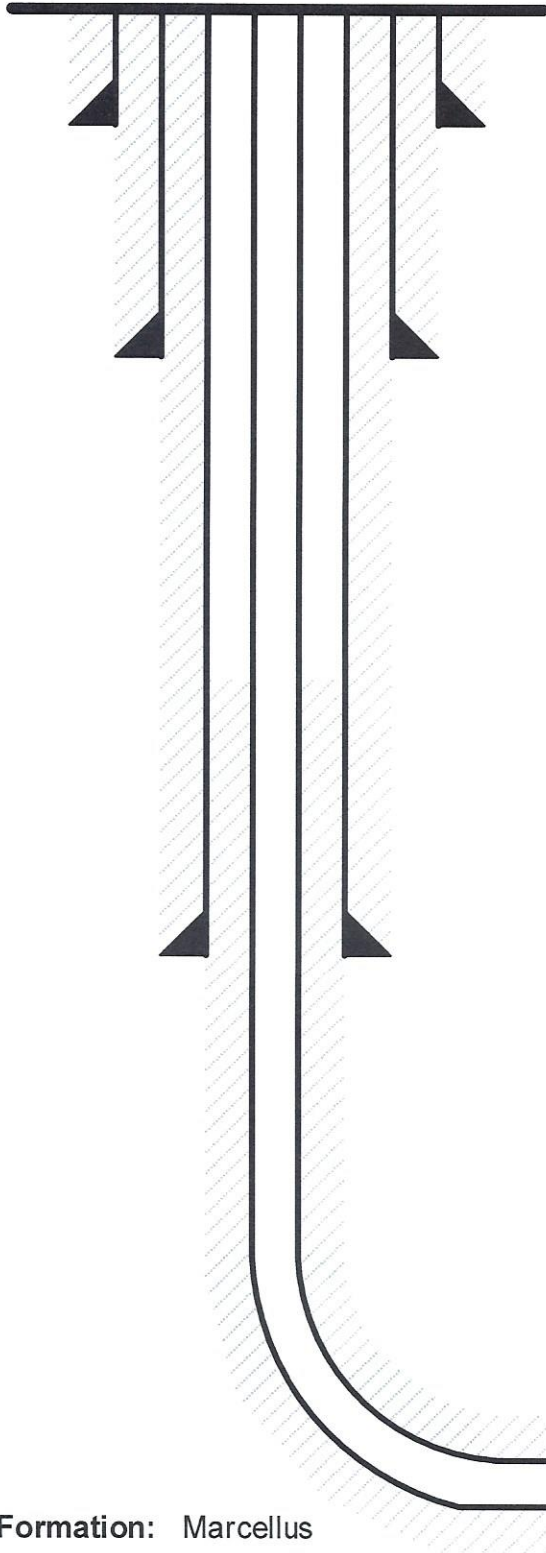
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EQT Production

Wellbore Diagram

Well: Haggard 12H
Pad: Haggard
Elevation: 1519' GL 1547' KB

County: Wetzel
State: West Virginia



Conductor @ 68'

26", 85.6#, A252 GR3, cement to surface w/ Class A/L

Surface @ 1,492'

13-3/8", 54.5#, J-55, cement to surface w/ Class A/L

Intermediate @ 2,909'

9-5/8", 36#, J-55, cement to surface w/ Class A/L

Production @ 20,079' MD / 7,600' TVD

6", 24#, P-110, cement to 500' inside 9-5/8" w/ Class A/H/L

Formation: Marcellus

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Stephen
Mccoy

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NOT TO SCALE

09/29/2023

EQT Production
Hydraulic Fracturing Monitoring Plan
Pad ID: Haggard
County: Wetzel

September 13, 2023

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Purpose

The purpose of this pad-specific Hydraulic Fracturing Monitoring Plan is to identify and notify conventional well operators near EQT hydraulic fracturing in Wetzel County, WV prior to hydraulic fracturing at the following EQT wells on the Haggard pad: 2H, 4H, 6H, 8H, 10H, 12H, 14H and 16H.

Due to the requirements under 35CSR8 5.11, the permittee is required to review the area surrounding the proposed well pad so as to identify and evaluate potential conduits for unintended fracture propagation.

A report is required to be submitted along with a well work permit application.

The plan is being implemented as an additional safety measure to be utilized in conjunction with existing best management practices and emergency action plans for the site. These additional measures include coordination with well operators of the timing and location of the hydraulic fracturing, establishment of measures well operators should implement, and assurance that the OOG is notified of the timeline, as well as any issues that may arise during fracturing.

1. Communications with Well Operators

EQT, using available data (WV Geological Survey, WVDEP website, and IHS data service), has identified all known wells and well operators within 500 feet of this pad and the lateral sections that are known or could reasonably be expected to be within range of the fracture propagation. A map showing these wells along with a list of the wells and operators is included in **Attachment A**.

EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

EQT will recommend to these operators at a minimum to:

1. Inspect their surface equipment prior to fracturing to establish integrity and establish pre-frac well conditions
2. Observe wells closely during and after fracturing and monitor for abnormal increases in water, gas or pressure
3. Inspect or install master valves or other necessary equipment for wellhead integrity capable of a pressure recommended by EQT
4. Notify the OOG and EQT if any changes in water, gas production, pressure, or other anomalies are identified

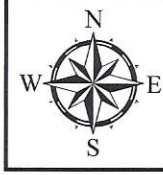
2. Reporting

EQT will provide information relating to the hydraulic fracturing schedule, communication with other operators, and ongoing monitoring of the work upon request of OOG or immediately in the event of any noted abnormalities.

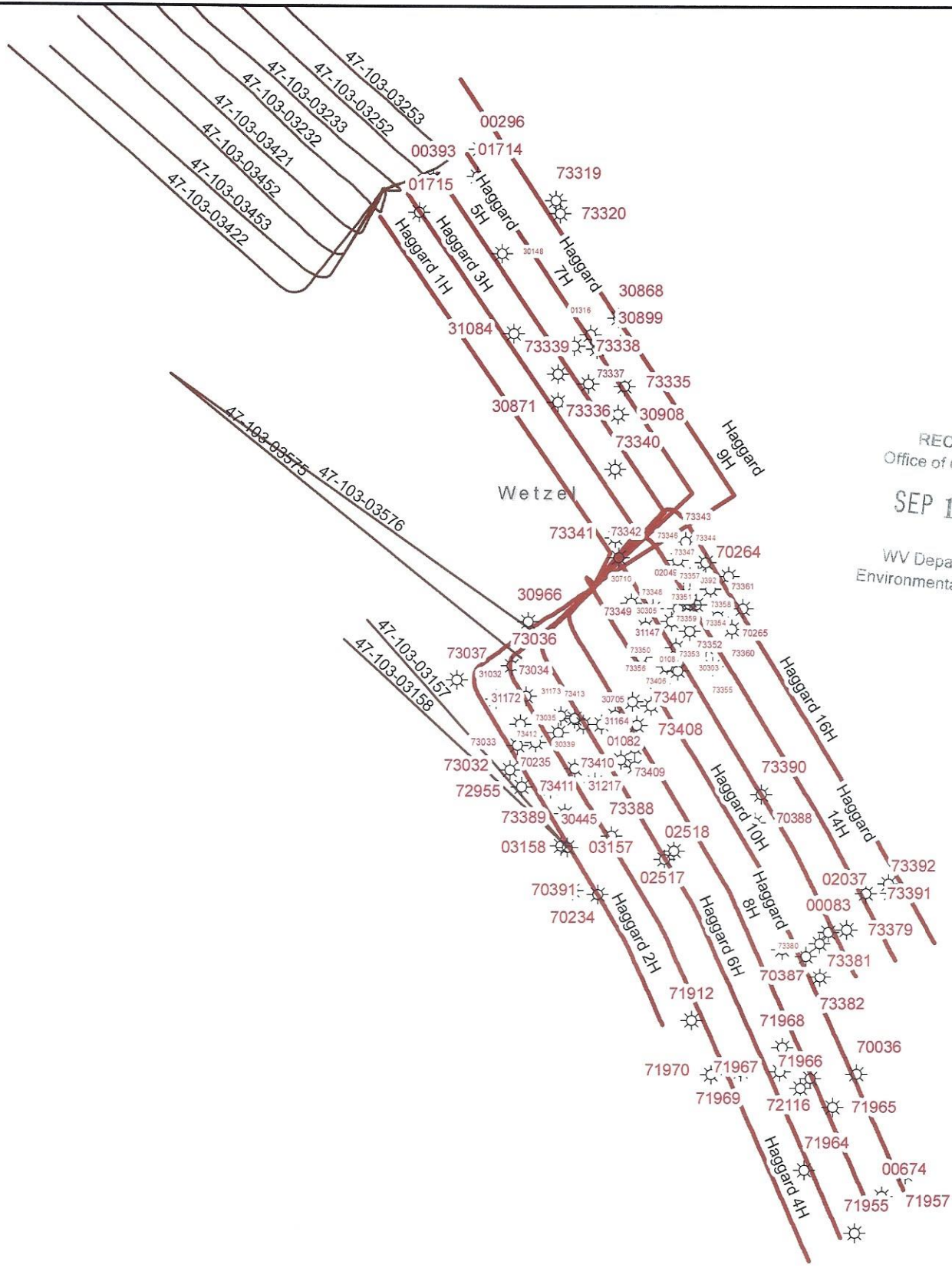
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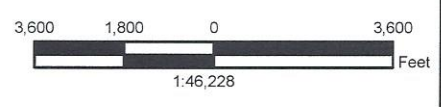
EQT
EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

Haggard

Vertical Offsets and
Foreign Laterals
within 500'

Created By: Keilen Wätman Printed By: McClayCO on 8/22/2023
Path: W501p.file.core.windows.net/gis/users/tolivia.hudgins/Vertical_Offset/Foreign Well Working Map_update_v3.mxd

- Legend
- ☀ Foreign_Offset_Wells
 - Foreign_Laterals
 - Well Lateral_FM
 - Formation**
 - Genesee
 - Marcellus
 - Utica



Disclaimer:

This map is confidential and is to be used only for the express informational purposes for which it was created. Unauthorized use, copying, or dissemination is strictly prohibited. EQT does not warrant the accuracy of the location of any items shown on this map, including, but not limited to, any structures, well or pipeline facilities, property boundaries, topography, roadways, or waterways. The items shown on the map may not have been placed on the map using survey lines or GPS coordinates. The specific location of any of the map items should be determined by a field survey performed by a licensed surveyor upon consultation with EQT.



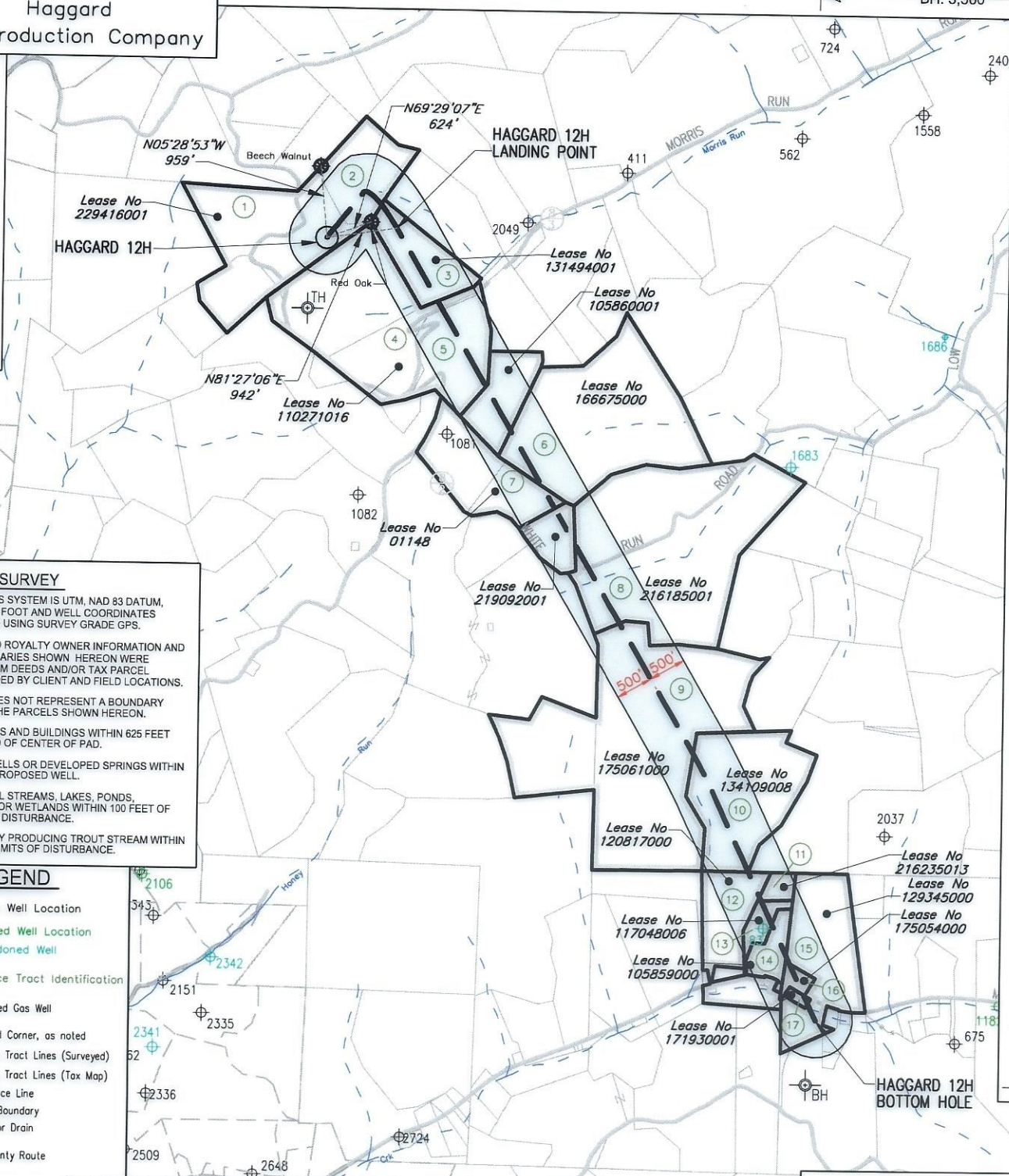
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WV Department of Environmental Protection

AP_LW井_井	AP_LW井_井	AP_LW井_井	井Operator	井Wells	井InitialOpe	井ERVWellTyp	井InitialOpe	井Latitude	井Longitude	井ElevationG	井ElevationK	井MD_FT	井TVD_FT	井WellName	井Wellsymbol
71912	47-103-71912-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.623050	-80.611246	1003.00	0.00	0.00	0.00	0.00 STEPHEN DEAN	UNREPORTE-UNREPORTE
73337	47-103-73337-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.671259	-80.619928	1134.00	0.00	0.00	0.00	0.00 JINLEMASTERS	UNREPORTE-UNREPORTE
70391	47-103-70391-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.632236	-80.619901	1097.00	0.00	0.00	0.00	0.00 L W POSTLETHWAIT	UNREPORTE-UNREPORTE
73356	47-103-73356-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.648460	-80.613360	1399.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTE-UNREPORTE
31173	47-103-31173-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE	W M BISSETT	39.644996	-80.632383	1394.00	0.00	0.00	0.00	0.00 RICHARD POSTLEWAIT	UNREPORTE-UNREPORTE
73352	47-103-73352-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.644992	-80.612609	1284.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTE-UNREPORTE
73319	47-103-73319-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.681854	-80.623680	1448.00	0.00	0.00	0.00	0.00 F E MILLER	UNREPORTE-UNREPORTE
30899	47-103-30899-00	(N/A)	QUAKER STATE OIL REFINING CO.	INACTIVE COMPLETED	UNREPORTE	UNREPORTE		39.671582	-80.617668	1251.00	0.00	0.00	0.00	3247.00 ELI CARNEY 1	OIL-INACTIVE COMPLETED
73342	47-103-73342-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.656443	-80.617864	1290.00	0.00	0.00	0.00	0.00 S C MILLER	UNREPORTE-UNREPORTE
30871	47-103-30871-00	(N/A)	QUAKER STATE OIL REFINING CO.	UNREPORTE	UNREPORTE	UNREPORTE	QUAKER STATE OIL REFINING CO.	39.644416	-80.623482	1178.00	0.00	0.00	0.00	0.00 W V TEAGARDEN	UNREPORTE-UNREPORTE
31164	47-103-31164-00	(N/A)	W M BISSETT	UNREPORTE	UNREPORTE	UNREPORTE	W M BISSETT	39.649202	-80.621220	1452.00	0.00	0.00	0.00	0.00 PETER POSTLEWAIT	UNREPORTE-UNREPORTE
73389	47-103-73389-00	(N/A)	QUAKER STATE OIL REFINING CO.	UNREPORTE	UNREPORTE	UNREPORTE	QUAKER STATE OIL REFINING CO.	39.680111	-80.615782	1468.00	0.00	0.00	3407.00 1	OIL & GAS-COMPLETED	
71965	47-103-71965-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.638011	-80.622932	1394.00	0.00	0.00	0.00	0.00 P POSTLEHWAIT	UNREPORTE-UNREPORTE
73392	47-103-73392-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.616664	-80.598132	1345.00	0.00	0.00	0.00	0.00 E HENRY HERS	UNREPORTE-UNREPORTE
73409	47-103-73409-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.632206	-80.592716	1225.00	0.00	0.00	0.00	0.00 W JACKSON	UNREPORTE-UNREPORTE
73361	47-103-73361-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.642655	-80.616363	1318.00	0.00	0.00	0.00	0.00 B B POSTLEHWAIT	UNREPORTE-UNREPORTE
30148	47-103-30148-00	(N/A)	DONALD DILLINGER	UNREPORTE	UNREPORTE	UNREPORTE	DONALD DILLINGER	39.654121	-80.609418	1309.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTE-UNREPORTE
01715	47-103-01715-00	(N/A)	HORNER OIL AND GAS PRODUCTION, INC.	GAS	UNREPORTE	UNREPORTE		39.679107	-80.628750	1332.00	0.00	3395.00	0.00	3392.00 THEO MILLER	OIL & GAS-PRODUCING
70235	47-103-70235-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.681127	-80.619446	1380.00	3389.00	3401.00	3401.00	3401.00 JOHN PILLES 1	UNREPORTE-INACTIVE COMPLETED
01082	47-103-01082-00	(N/A)	HORNER OIL AND GAS PRODUCTION, INC.	PRODUCING	UNREPORTE	UNREPORTE	HORNER OIL AND GAS PRODUCTION, INC.	39.659776	-80.624218	1188.00	0.00	3258.00	0.00	0.00 R J POSTLEHWAIT	OIL-PRODUCING
01714	47-103-01714-00	(N/A)	HORNER OIL AND GAS PRODUCTION, INC.	PRODUCING	UNREPORTE	UNREPORTE	HORNER OIL AND GAS PRODUCTION, INC.	39.649577	-80.618240	1575.00	1584.00	3503.00	3503.00	3503.00 T J POSTLEHWAIT 2	OIL & GAS-PRODUCING
02049	47-103-02049-00	(N/A)	DIVERSIFIED ENERGY	PRODUCING	UNREPORTE	UNREPORTE	HORNER, CHARLES	39.683395	-80.631002	1347.00	1356.00	3280.00	3280.00	3280.00 O. W. YEATER 1	OIL & GAS-PRODUCING
30908	47-103-30908-00	(N/A)	QUAKER STATE OIL REFINING CO.	UNREPORTE	UNREPORTE	UNREPORTE	BP	39.655138	-80.610544	1162.00	0.00	3570.00	3570.00	3570.00 MORRIS 1	OIL-COMPLETED
73355	47-103-73355-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.666603	-80.617853	1372.00	0.00	0.00	0.00	0.00 PETER WHITE	UNREPORTE-UNREPORTE
30710	47-103-30710-00	(N/A)	QUAKER STATE OIL REFINING CO.	UNREPORTE	UNREPORTE	UNREPORTE	QUAKER STATE OIL REFINING CO.	39.648461	-80.609230	1328.00	0.00	0.00	0.00	0.00 J C HORNER 1	OIL-INACTIVE COMPLETED
73359	47-103-73359-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE	HOPE NATURAL GAS COMPANY	39.653117	-80.616722	1255.00	0.00	0.00	0.00	0.00 JENNIE MORRIS	UNREPORTE-UNREPORTE
30305	47-103-30305-00	(N/A)	RANDALL-ZOGG SUPPLY CO.	INACTIVE COMPLETED	UNREPORTE	UNREPORTE	RANDALL-ZOGG SUPPLY CO.	39.652089	-80.608668	1291.00	0.00	0.00	0.00	3190.00 J C HORNER 1	OIL-INACTIVE COMPLETED
73358	47-103-73358-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.652682	-80.612407	1195.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTE-UNREPORTE
73347	47-103-73347-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.652960	-80.611295	1278.00	0.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTE-UNREPORTE
70392	47-103-70392-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE		39.654992	-80.611295	1196.00	0.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTE-UNREPORTE
31172	47-103-31172-00	(N/A)	W M BISSETT	UNREPORTE	UNREPORTE	UNREPORTE		39.652972	-80.610718	1299.00	0.00	0.00	0.00	0.00 T J SHOWALTER	UNREPORTE-UNREPORTE
73391	47-103-73391-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.644416	-80.627034	1362.00	0.00	0.00	0.00	0.00 J M DULANEY	UNREPORTE-UNREPORTE
73339	47-103-73339-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.695125	-80.594967	1511.00	0.00	0.00	0.00	0.00 J GARRETT & C TAYLOR	UNREPORTE-UNREPORTE
71966	47-103-71966-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.669517	-80.623493	1212.00	0.00	0.00	0.00	0.00 W V TEAGARDEN	UNREPORTE-UNREPORTE
00083	47-103-00083-00	(N/A)	P J BLANK	UNREPORTE	UNREPORTE	UNREPORTE		39.618115	-80.601129	1216.00	0.00	0.00	0.00	0.00 E HENRY HERS	UNREPORTE-UNREPORTE
73346	47-103-73346-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE	WATER	39.629448	-80.598534	1075.00	1085.00	2984.00	2984.00	2984.00 GARRETT, ROSA 1	WATER-P & A
73357	47-103-73357-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.656153	-80.612420	1307.00	0.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTE-UNREPORTE
71970	47-103-71970-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.653250	-80.611295	1249.00	0.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTE-UNREPORTE
73348	47-103-73348-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.619132	-80.609372	1395.00	0.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTE-UNREPORTE
73390	47-103-73390-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.655686	-80.611858	1172.00	0.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTE-UNREPORTE
73381	47-103-73381-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.639117	-80.604727	1544.00	0.00	0.00	0.00	0.00 ELIZABETH SOLE	UNREPORTE-UNREPORTE
72116	47-103-72116-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.627706	-80.600598	1032.00	0.00	0.00	0.00	0.00 A C WOOD	UNREPORTE-UNREPORTE
73343	47-103-73343-00	(N/A)	MANUFACTURERS LIGHT & HEAT CO	UNREPORTE	UNREPORTE	UNREPORTE		39.618841	-80.600193	1240.00	0.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTE-UNREPORTE
73410	47-103-73410-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.657460	-80.611670	1203.00	0.00	0.00	0.00	0.00 E HENRY	UNREPORTE-UNREPORTE
02518	47-103-02518-00	(N/A)	CNK	PERMIT CANCELLED	UNREPORTE	UNREPORTE		39.643469	-80.616582	1276.00	0.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTE-UNREPORTE
70036	47-103-70036-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.619137	-80.613742	1509.00	1519.00	0.00	0.00	0.00 T R & S POSTLEHWAIT	UNREPORTE-UNREPORTE
73407	47-103-73407-00	(N/A)	MANUFACTURERS LIGHT & HEAT CO	UNREPORTE	UNREPORTE	UNREPORTE		39.642422	-80.616175	1358.00	0.00	3392.00	3392.00	3392.00 FRANKLIN BLAKE	OIL-UNREPORTE
30445	47-103-30445-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.645993	-80.616550	1498.00	0.00	0.00	0.00	0.00 B B POSTLEHWAIT	UNREPORTE-UNREPORTE
30339	47-103-30339-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	INACTIVE COMPLETED	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.635716	-80.623278	1345.00	0.00	0.00	0.00	0.00 M E POSTLEHWAIT	UNREPORTE-UNREPORTE
70265	47-103-70265-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	INACTIVE COMPLETED	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.641226	-80.621968	1297.00	0.00	0.00	3310.00	3310.00 PETER POSTLEHWAITE 3	OIL-INACTIVE COMPLETED
30868	47-103-30868-00	(N/A)	QUAKER STATE OIL REFINING CO.	UNREPORTE	UNREPORTE	UNREPORTE		39.652682	-80.606404	1335.00	0.00	0.00	0.00	3260.00 SUSANNA POSTLEHWAITE 1	OIL & GAS-INACTIVE COMPLETED
72955	47-103-72955-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.673517	-80.617856	1091.00	0.00	0.00	0.00	3413.00 4	UNREPORTE-COMPLETED
70264	47-103-70264-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE	QUAKER STATE OIL REFINING CO.	39.639807	-80.626876	1067.00	0.00	0.00	0.00	3077.00 J L CARNEY 4	OIL-INACTIVE COMPLETED
30966	47-103-30966-00	(N/A)	QUAKER STATE OIL REFINING CO.	UNREPORTE	UNREPORTE	UNREPORTE		39.655002	-80.607718	1226.00	0.00	0.00	0.00	3162.00 2	UNREPORTE-UNREPORTE
73353	47-103-73353-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.651812	-80.626312	1112.00	0.00	0.00	0.00	3011.00 P R LIVINGSTON 2	UNREPORTE-COMPLETED
71969	47-103-71969-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.668646	-80.617300	1315.00	0.00	0.00	0.00	3011.00 RENA CARNEY	UNREPORTE-UNREPORTE
73380	47-103-73380-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.619276	-80.606563	1461.00	0.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTE-UNREPORTE
70234	47-103-70234-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.628577	-80.598285	1112.00	0.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTE-UNREPORTE
71964	47-103-71964-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.625256	-80.622151	1263.00	0.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTE-UNREPORTE
70387	47-103-70387-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.612164	-80.600755	1216.00	0.00	0.00	0.00	0.00 PETER POSTLEHWAIT	UNREPORTE-UNREPORTE
73360	47-103-73360-00	(N/A)	MANUFACTURERS LIGHT & HEAT CO	UNREPORTE	UNREPORTE	UNREPORTE		39.628176	-80.602828	1185.00	0.00	0.00	0.00	0.00 JOHN INGRAHM	UNREPORTE-UNREPORTE
70388	47-103-70388-00	(N/A)	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTE	UNREPORTE	UNREPORTE	SOUTH PENN OIL (S. PENN NAT. GAS)	39.651218	-80.607353	1368.00	0.00	0.00	0.00	0.00 GEORGE B POTTS	UNREPORTE-UNREPORTE
73344	47-103-73344-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.637311	-80.605274	1518.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTE-UNREPORTE
73351	47-103-73351-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.656008	-80.609794	1205.00	0.00	0.00	0.00	0.00 S C MILLER	UNREPORTE-UNREPORTE
73382	47-103-73382-00	(N/A)		UNREPORTE	UNREPORTE	UNREPORTE		39.651799	-80.612984	1254.00	0.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTE-UNREPORTE
01081	47-103-01081-00	(N/A)	HORNER OIL AND GAS PRODUCTION, INC.	OTHER	UNREPORTE	UNREPORTE	OPERATOR UNKNOWN	39.625109	-80.599284	1229.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTE-UNREPORTE
73350	47-103-73350-00														

Haggard 12H
Haggard
EQT Production Company



- NOTES ON SURVEY**
1. COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
 3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 4. NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
 5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
 6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

- LEGEND**
- ⊕ Active Well Location
 - ⊕ Plugged Well Location
 - ⊕ Abandoned Well
 - ① Surface Tract Identification
 - Proposed Gas Well
 - ⊙ Located Corner, as noted
 - Surface Tract Lines (Surveyed)
 - Surface Tract Lines (Tax Map)
 - - - Reference Line
 - Lease Boundary
 - Creek or Drain
 - 5 WV County Route
 - 5 WV State Route

(⊕) Denotes Location of Well on United States Topographic Maps



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 regulations issued and prescribed by the Department of Environmental Protection.

Thomas C. Smit
L. L. S. 687



SEAL

FILE NO: _____
 DRAWING NO: _____
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
 PROVEN SOURCE OF ELEVATION: NGS CORS Station

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION



DATE: AUGUST 30 20 23
 OPERATORS WELL NO: Haggard 12H
 API WELL NO: 47 - 103 - 03530
 STATE COUNTY PERMIT

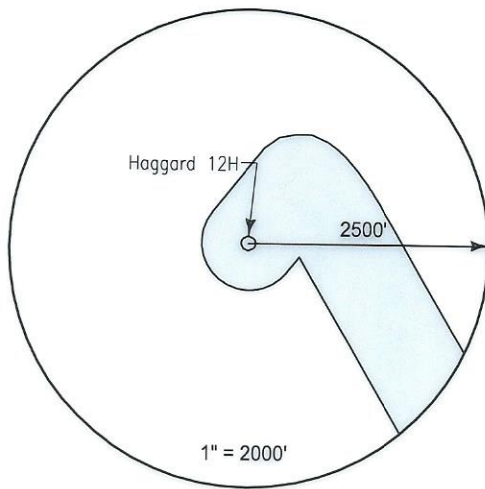
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
 DISTRICT: Center COUNTY: Wetzel
 SURFACE OWNER: Amie Lee Henderson ACREAGE: 84.94 ±
 ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,600'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
 Canonsburg, PA 15317 Clarksburg, WV 26301

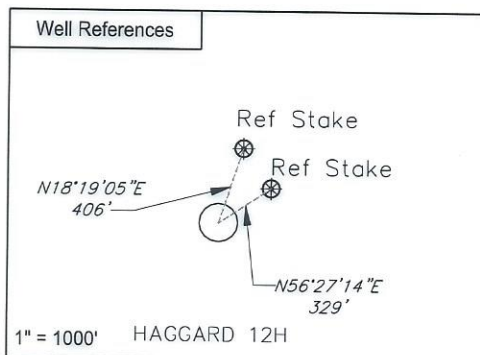
09/29/2023

Haggard 12H
Haggard
EQT Production Company

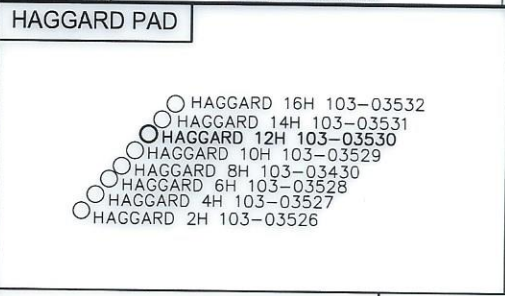
Tract ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	10	36.0	Wetzel	Center	Amie Lee Henderson	45.50
2	10	27.0	Wetzel	Center	Scott L. Musgrave	35.00
3	10	39.0	Wetzel	Center	Rusty Lee Morris	25.12
4	10	53.0	Wetzel	Center	Rusty Lee Morris	22.02
5	10	54.0	Wetzel	Center	Ronnie E. & Yvonne M. Wade	65.79
6	10	56.0	Wetzel	Center	Patrick L. Morris	93.75
7	14	19.1	Wetzel	Center	Bennett & Bradley Postlethwait	22.39
8	14	10.0	Wetzel	Center	Johnny Kenneth & Deborah K. Greathouse	122.00
9	14	33.0	Wetzel	Center	Dennis L. Hickie ET AL	144.00
10	15	42.0	Wetzel	Center	Sharon M. Dulaney ET AL	53.30
11	15	52.1	Wetzel	Center	Potts Cemetery	1.30
12	15	52.0	Wetzel	Center	Sharon M. Dulaney ET AL	25.95
13	15	52.2	Wetzel	Center	Richard F. Sapp EST & Bill Plaine Norris ET AL	4.50
14	15	53.0 & 53.2	Wetzel	Center	Richard F. Sapp EST & Helen C Sprout ET AL	9.75
15	15	55.0	Wetzel	Center	Mildred A. Sapp	44.82
16	15	54.0	Wetzel	Center	April C. Crihfield	2.30
17	15	55.2	Wetzel	Center	Darlene K. & Jason W. Daniels	1.03



Lease	Owner	Acres
229416001	Blackrock Enterprises LLC, et al.	84.94 ac of 198.1275 ac
110271016	Vivian Rine, a/k/a Vivian L. Rine, et al.	95.7 ac
131494001	Charles Lee Thomas, Trustee of The Charles Lee Thomas Trust, et al.	25.12 ac
105860001	Stone Hill Minerals Holdings, LLC, et al.	1,694.69 ac
166675000	AMP IV, LP, et al.	93.75 ac
01148	First United Methodist Church of New Martinsville, et al.	41.25 ac
219092001	Madlyn J. Booth, et al.	8 ac
216185001	Drilling Appalachian Corporation, et al.	122 ac
175061000	OXY USA, Inc., et al.	31.19 ac and 144 ac of 31,151.581 ac
134109008	Raymond Lee Yoho, et al.	53.25 ac
120817000	Raymond Lee Yoho, et al.	27.075 ac
216235013	Carmen Yvonne Blake, et al.	1.25 ac
117048006	Deborah Sapp, et al.	4.5 ac
105859000	Charles P. Mavey and Helen C. Mavey, husband and wife, et al.	9.75 ac
129345000	Appalachian Basin Minerals, LP, et al.	45.92 ac
175054000	April Glenmore Crihfield, et al.	2.25 ac
171930001	Darlene K. Daniels and Jason W. Daniels, wife and husband, et al.	1.03 ac



Notes:
 HAGGARD 12H coordinates are
 NAD 27 N: 422,388.837 E: 1,684,594.268
 NAD 27 Lat: 39.654302 Long: -80.620231
 NAD 83 UTM N: 4,389,467.252 E: 532,596.067
 HAGGARD 12H Landing Point coordinates are
 NAD 27 N: 422,528.852 E: 1,685,525.908
 NAD 27 Lat: 39.654718 Long: -80.616929
 NAD 83 UTM N: 4,389,514.659 E: 532,879.195
 HAGGARD 12H Bottom Hole coordinates are
 NAD 27 N: 412,001.040 E: 1,691,246.320
 NAD 27 Lat: 39.626010 Long: -80.596157
 NAD 83 UTM N: 4,386,336.391 E: 534,675.435
 West Virginia Coordinates system of 1927 (North Zone) based upon Differential GPS Measurements
 Plat orientation, Corner and well ties are based upon the grid north meridian
 Well location references are based upon the grid north meridian.
 UTM coordinates are NAD83, Zone 17, Meters.



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 regulations issued and prescribed by the Department of Environmental Protection.

L. L. S.
 L. L. S. 687



FILE NO:
 DRAWING NO:
 SCALE: 1" = 1000'
 MINIMUM DEGREE OF ACCURACY:
 1:2500
 PROVEN SOURCE OF ELEVATION:
 NGS CORS Station



DATE: AUGUST 30 20 23
 OPERATORS WELL NO: Haggard 12H
 API WELL NO
 47 - 103 - 03530
 STATE COUNTY PERMIT

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

LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
 DISTRICT: Center COUNTY: Wetzel

SURFACE OWNER: Amie Lee Henderson ACREAGE: 45.5 ±
 ROYALTY OWNER: Blackrock Enterprises LLC, et al. LEASE NO: 229416001 ACREAGE: 84.94 ±

PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus ESTIMATED DEPTH: 7,600'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
 Canonsburg, PA 15317 Clarksburg, WV 26301

09/29/2023

**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:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See attached				

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Office of Oil and Gas

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WV Department of
Environmental Protection

**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: EQT Production Company
 By: John Zavatchan
 Its: Project Specialist - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
✓ <u>229416001</u>	<u>Blackrock Enterprises LLC, et al.</u> Blackrock Enterprises LLC Antero Resources Corporation	84.94 ac of 198.1275 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 273A/383 OG 324A/748
✓ <u>110271016</u>	<u>Vivian Rine, a/k/a Vivian L. Rine, et al.</u> Vivian Rine, a/k/a Vivian L. Rine, a married woman dealing in her sole and separate property	95.7 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 183A/902
✓ <u>131494001</u>	<u>Charles Lee Thomas, Trustee of The Charles Lee Thomas Trust, et al.</u> Charles Lee Thomas, Trustee of The Charles Lee Thomas Trust	25.12 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 183A/684
✓ <u>105860001</u>	<u>Stone Hill Minerals Holdings, LLC, et al.</u> Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Antero Exchange Properties LLC Antero Resources Corporation	1,694.69 ac	SWN Production Company, LLC Antero Exchange Properties LLC Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 166A/931 OG 177A/533 Corp. Book 13/311 OG 231A/59
✓ <u>166675000</u>	<u>AMP IV, LP, et al.</u> AMP IV, LP	93.75 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 265A/549

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/ 01148	<u>First United Methodist Church of New Martinsville, et al.</u> B. B. Postlethwait and Rhoda Postlethwait, his wife South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, L.L.C. Devon Energy Production Company, L.P. East Resources, Inc. East Resources, Inc. HG Energy, LLC American Energy - Marcellus, LLC Ascent Resources - Marcellus, LLC Tribune Resources, LLC	41.25 ac	South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company PennzEnergy Exploration and Production, L.L.C. Devon Energy Production Company, L.P. East Resources, Inc. HG Energy, LLC American Energy - Marcellus, LLC Ascent Resources - Marcellus, LLC Tribune Resources, LLC EQT Production Company	DB 49/598 WV SOS DB 246/491 WV SOS DB 319/397 DB 363/384 Corp. Book 12/177 Corp. Book 12/278 DB 370/580 OG 118A/253 OG 153A/238 Misc 114/619 Corp. Book 13/421 Drill Letter dated July 27, 2023	"at least 1/8th per WV Code 22-6-8"
/ 219092001	<u>Madlyn J. Booth, et al.</u> Madlyn J. Booth, widow	8 ac	EQT Production Company	OG 286A/306	"at least 1/8th per WV Code 22-6-8"
/ 216185001	<u>Drilling Appalachian Corporation, et al.</u> Drilling Appalachian Corporation	122 ac	EQT Production Company	OG 276A/602	"at least 1/8th per WV Code 22-6-8"
/ 175061000	<u>OXY USA, Inc., et al.</u> BRC Appalachian Minerals I, LLC BRC Appalachian Minerals I, LLC BRC Minerals LP BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties, LLC Antero Exchange Properties, LLC Antero Resources Corporation	31.19 ac and 144 ac of 31,151.581 ac	BRC Working Interest Company, LLC BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC SWN Exchange Titleholder, LLC SWN Production Company, LLC Antero Exchange Properties, LLC Antero Exchange Properties, LLC Antero Resources Corporation EQT Production Company	OG 102A/505 OG 103A/320 OG 103A/470 OG 120A/109 OG 157A/540 OG 158A/801 Corp. Book 13/296 OG 177A/533 OG 177A/738 Corp. Book 13/311 OG 231A/22	"at least 1/8th per WV Code 22-6-8"

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✓ 134109008	<u>Raymond Lee Yoho, et al.</u> Raymond Lee Yoho and Billie S. Yoho, husband and wife	53.25 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 274A/213
✓ 120817000	<u>Raymond Lee Yoho, et al.</u> Raymond Lee Yoho and Billiesue Yoho, aka/a Sue Yoho, husband and wife Antero Resources Corporation	27.075 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 179A/631 OG 231A/59
✓ 216235013	<u>Carmen Yvonne Blake, et al.</u> Carmen Yvonne Blake	1.25 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 284A/205
✓ 117048006	<u>Deborah Sapp, et al.</u> Deborah Sapp, a widow	4.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 289A/939
✓ 105859000	<u>Charles P. Mavety and Helen C. Mavety, husband and wife, et al.</u> Charles P. Mavety and Heiven C. Mavety, husband and wife Antero Resources Corporation	9.75 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 174A/60 OG 231A/59
✓ 129345000	<u>Appalachian Basin Minerals, L.P., et al.</u> Appalachian Basin Minerals, LP, by ABM GP, LLC, is General Partner	45.92 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 227A/84
✓ 175054000	<u>April Glenmore Critchfield, et al.</u> Carol Ann Price, fka Carol Ann Critchfield, a widow Antero Resources Corporation	2.25 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 220A/472 OG 269A/533
✓ 171930001	<u>Darlene K. Daniels and Jason W. Daniels, wife and husband, et al.</u> Darlene K. Daniels and Jason W. Daniels, her husband	1.03 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 251A/47

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09/29/2023



July 27, 2023

VIA ELECTRONIC MAIL

Mike Lipari
Tribune Resources, LLC
3861 Ambassador Caffery Parkway, Suite 600
Lafayette, Louisiana 70503

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Office of Oil and Gas
SEP 18 2023

WV Department of
Environmental Protection

RE: Acreage Trade Agreement – Drill Letter – Wetzel County, WV

Dear Mr. Lipari:

1. EQT Production Company, a Pennsylvania corporation ("**EQT**"), and Tribune Resources, LLC, an Oklahoma limited liability company, and Tribune Resources Minerals, LLC, an Oklahoma limited liability company (together, "**Tribune**") (Tribune and EQT may be referred to individually as a "**Party**" and collectively as the "**Parties**"), have entered into an Acreage Trade Agreement dated May 3, 2023 (the "**Definitive Agreement**") for the exchange, assignment and/or granting of certain oil and gas leases in Wetzel, Doddridge, and Harrison Counties, West Virginia (the "**Transaction**") to facilitate each of their respective drilling and development needs.

2. Subject to the terms of the Definitive Agreement, the Parties have agreed that upon the closing of the Transaction, Tribune will assign and/or grant to EQT certain oil and gas leases in exchange for EQT assigning and/or granting to Tribune certain oil and gas leases. The specific properties and amounts of properties to be exchanged are specified in the Definitive Agreement, which contains terms and conditions mutually acceptable to the Parties in their respective sole and absolute discretion.

3. The Parties anticipate that among the Tribune oil and gas leases that are included in the Transaction are the oil and gas leases or portions thereof described on **Exhibit A** attached hereto, comprising approximately 214.22625 NRI Acres (the "**Drilling Leases**") (further subject to title due diligence being performed in accordance with the Definitive Agreement). As used in this letter agreement, "**NRI Acres**" shall have the definition set forth on **Schedule 1**.

4. The Parties desire to accommodate EQT's drilling and development of certain EQT units during the completion of title due diligence on the Drilling Leases, and in advance of the closing of the Transaction. Therefore, Tribune hereby grants to EQT and/or its designated affiliates the limited right to permit and, upon receipt of all necessary permits and government approvals, to horizontally drill, complete and produce one (1) or more wellbore laterals ("**Wells**") through and in the Marcellus Formation of the lands covered by the Drilling Leases; **provided, however**, that Tribune hereby expressly withholds to itself and its successors and assigns and does not grant to EQT (a) all rights regarding any formation covered by the Drilling Leases other than the Marcellus Formation, (b) the right to access the surface of or to conduct surface operations on the lands covered by the Drilling Leases unless EQT enters into a separate agreement with the applicable surface owner(s), and (c) any other rights or interests withheld, reserved or retained by

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Tribune pursuant to the terms of the Definitive Agreement. As used in this letter agreement, "**Marcellus Formation**" shall have the definition set forth on **Schedule 1**.

5. EQT hereby agrees to indemnify, release, defend and hold harmless Tribune and its affiliates, and any officer, director, employee, agent, consultant, representative or advisor of Tribune or its affiliates (the "**Indemnified Parties**") for, from and against any and all Claims (as defined below) that may be sustained by the Indemnified Parties or otherwise brought by any third party against the Indemnified Parties, in each case, resulting from or in connection with EQT's and/or its designated affiliates' activities with respect to the Drilling Leases, including, without limitation, the drilling of the Wells, the development and operation of the Drilling Leases and any other operations performed pursuant to this letter agreement, that arise on or after the date of this letter agreement. FOR THE AVOIDANCE OF DOUBT, THIS SECTION 5 DOES NOT IN ANY WAY AMEND OR OTHERWISE MODIFY ANY ASSUMED LIABILITY, INDEMNITY OBLIGATION OR OTHER PROVISION OF THE DEFINITIVE AGREEMENT REGARDING THE DRILLING LEASES OR THE WELLS, WHICH SHALL REMAIN SUBJECT TO THE TERMS OF THE TRADE AGREEMENT FOR ALL PURPOSES THEREUNDER. "**Claims**" shall mean any and all losses, suits, proceedings, actions, causes of action, in law or at equity, demands, penalties, fines, fees, charges, assessments, liabilities (including environmental liabilities), damages (including environmental and natural resources damages), claims, judgments, executions, costs and expenses of any kind (including, without limitation, attorney's fees, expert's fees, court costs and other out-of-pocket fees and disbursements), fines, taxes, and interest, whether existing or incurred or asserted in the future, in connection with (a) any such claim or the defense thereof, (b) amounts paid in settlement, orders, liens, or decrees, or (c) any injury or damage of any kind and nature to persons (including sickness, illness and death), mines, wells, or property claims or to the Drilling Lease, or natural resources, and with respect to any of the foregoing, whether sustained or brought by or against Tribune or any third party. Notwithstanding any of the foregoing, EQT shall have no obligation to indemnify Tribune Indemnified Parties for any Claim to the extent such Claim is judicially determined to arise solely out of a Tribune Indemnified Party's gross negligence or willful misconduct. The indemnity obligation set forth in this section shall survive any termination of all or any part of this letter agreement.

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6. In the event that the Parties close the Transaction on or before September 30, 2023 or such later date as mutually agreed by the Parties in accordance with the Definitive Agreement (the "**Closing Deadline**"), subject to Section 7 below, the Drilling Leases, limited to the Marcellus Formation, shall be included in and assigned at the closing of the Transaction in accordance with the terms and conditions set forth in the Definitive Agreement.

7. In the event that the Parties do not close on or before the Closing Deadline, then Tribune shall promptly transfer (and in any event within 5 business days after the Closing Deadline) to EQT the Drilling Leases via an assignment in substantially the same form as the assignment attached to the Definitive Agreement as Exhibit C (subject to such modifications as are reasonable and necessary to reflect the assignment of the Drilling Leases) and EQT shall contemporaneously remit to Tribune an amount equal to \$7,500.00 per NRI Acre of the Drilling Leases (such transaction, a "Drilling Lease Transaction"). In the event the Parties proceed with a Drilling Lease Transaction, the closing of such Drilling Lease Transaction shall be subject to the same terms and conditions as the closing transaction contemplated in the Definitive Agreement, limited only to the extent reasonable and necessary to reflect the agreements set forth in this Section 7.

8. If any assignment of acreage is made pursuant to this agreement or the imbalance agreement, such properties shall be assigned and/or granted, as the case may be, free and clear of (a) all gathering or midstream dedications or commitments, and (b) all other senior mortgages, liens and encumbrances for which pre-closing waivers, releases or subordinations are customarily sought in transactions similar to the Potential Transaction.

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9. Except as otherwise provided herein (including Section 5 hereof), this letter agreement and the rights and obligations of the Parties hereunder shall terminate upon the earlier of the closing of the transaction contemplated under the terms of the Definitive Agreement, the closing of a Drilling Lease Transaction or the mutual written agreement of the Parties. This letter agreement shall be governed by Pennsylvania law excluding any choice-of-law rules which would refer the matter to the laws of another jurisdiction and except to the extent that the laws of the State of West Virginia are mandatorily applicable in connection with the assignment or leasing of real property located in the State of West Virginia. This letter agreement may be executed in any number of counterparts, each of which shall be considered an original for all purposes, and all of which, when taken together, shall constitute one and the same instrument, provided that this letter agreement but shall not be binding on any Party until fully executed by all Parties.

If the above meets your approval, please execute in the space provided below and return one signed copy to my attention. Should you have any questions, please contact Greg Godbey at (724) 802-2353.

Sincerely,

EQT Production Company

DocuSigned by:

AB96C2046F2D4D6...
Greg Godbey, CPL

[SIGNATURE PAGE TO FOLLOW]

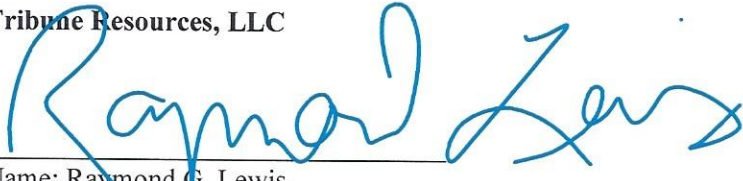
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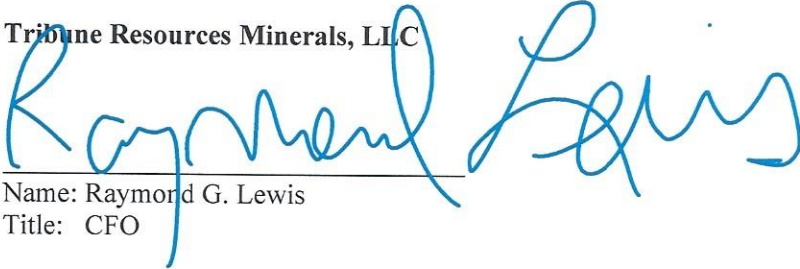
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Tribune Resources, LLC



Name: Raymond G. Lewis
Title: CFO

Tribune Resources Minerals, LLC



Name: Raymond G. Lewis
Title: CFO

EQT Production Company

DocuSigned by:



By:

889B4A94F0C646A

Name: Corey C. Peck

Title: Vice President of Land

^{DS}
GG

^{DS}
ME

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Schedule 1

Definitions

“Marcellus Formation” means the stratigraphic equivalent of those depths and formations below the top of the Marcellus formation, at a depth of 7,066 feet MD, to the base of the Onondaga formation, at a depth of 7,347 feet MD, as seen by the J M Allen, et al, #511391, API 4710302414, Wetzel County, West Virginia.

“Net Revenue Interest” means, with respect to each Marcellus Leasehold Right and Marcellus Leased Fee Mineral Interest, the interest in and to all Hydrocarbons produced from or attributable to such Marcellus Leasehold Right or such Marcellus Leased Fee Mineral Interest, as applicable, after giving effect to all Burdens.

“NRI Acreage” or ***“NRI Acres”*** means, with respect to each Marcellus Leasehold Right or Marcellus Leased Fee Mineral Interest, as applicable, the Net Acreage covered by such Marcellus Leasehold Right or Marcellus Leased Fee Mineral Interest, as applicable, multiplied by the Assigning Party’s Net Revenue Interest in such Marcellus Leasehold Right or Marcellus Leased Fee Mineral Interest, as applicable.

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EXHIBIT A
Drilling Leases

[See attached.]

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Exhibit A - Part I
Tribune Leases (other than Tribune Partial Leases)

LEASE_TRACT	Lessor	Lessee	Lease Date	Expiration Date	Township Name	Tract - Tax Parcel	Gross	Company Net	Marcellus Co Net	Royalty	ORRI	Lease NRI	Company NRI	NRI/Acres	Book	Page
MARC00035-001_001	CANDICE LOU BOOKHART	AMERICAN ENERGY - MARCELLUS, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153845	0.153845	0.125	0	0.875	0.875	0.134614375	157A	306
MARC00035-001_003	CANDICE LOU BOOKHART	AMERICAN ENERGY - MARCELLUS, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.045967	0.045967	0.125	0	0.875	0.875	0.040221125	157A	306
MARC00041-001_001	JOHN DOUGLAS CHILDERS	HG ENERGY, LLC	9/15/2014	9/15/2024	CENTER - WETZEL, WV	01-18-24, 01-18-26	44.229891	0.902644	0.902644	0.125	0	0.875	0.875	0.7898135	169A	322
MARC00041-001_003	JOHN DOUGLAS CHILDERS	HG ENERGY, LLC	9/15/2014	9/15/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.367754	0.367754	0.125	0	0.875	0.875	0.32178475	169A	322
MARC00042-001_001	JULIENNE ANNA BUSCHO	HG ENERGY, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.233526	0.233526	0.125	0	0.875	0.875	0.20433525	169A	325
MARC00042-001_003	JULIENNE ANNA BUSCHO	HG ENERGY, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.069776	0.069776	0.125	0	0.875	0.875	0.061054	169A	325
MARC00043-001_001	NELSON V. & PAULA S. ROGERS	HG ENERGY, LLC	8/26/2014	8/26/2024	CENTER - WETZEL, WV	01-18-24, 01-18-26	44.229891	3.610592	3.610592	0.125	0	0.875	0.875	3.159268	169A	328
MARC00043-001_003	NELSON V. & PAULA S. ROGERS	HG ENERGY, LLC	8/26/2014	8/26/2024	CENTER - WETZEL, WV	01-18-26	18.020109	1.471025	1.471025	0.125	0	0.875	0.875	1.287146875	169A	328
MARC00049-001_001	MELANIE LOHMAN, A MARRIED WOMAN	AMERICAN ENERGY - MARCELLUS, LLC	10/6/2014	10/6/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153835	0.153835	0.125	0	0.875	0.875	0.134605625	157A	300
MARC00049-001_003	MELANIE LOHMAN, A MARRIED WOMAN	AMERICAN ENERGY - MARCELLUS, LLC	10/6/2014	10/6/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.045965	0.045965	0.125	0	0.875	0.875	0.040219375	157A	300
MARC00050-001_001	RYAN LEE REINECKER, A SINGLE MAN	AMERICAN ENERGY - MARCELLUS, LLC	10/13/2014	10/13/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153835	0.153835	0.125	0	0.875	0.875	0.134605625	157A	303
MARC00050-001_003	RYAN LEE REINECKER, A SINGLE MAN	AMERICAN ENERGY - MARCELLUS, LLC	10/13/2014	10/13/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.045965	0.045965	0.125	0	0.875	0.875	0.040219375	157A	303
MARC00071-001_001	B. B. POSTLETHWAIT AND RHODA POSTLETHWAIT	SOUTH PENN OIL COMPANY	10/15/1900	10/15/1906	CENTER - WETZEL, WV	01-14-8, 01-14-19.1	41.25	41.25	41.25	0.125	0	0.875	0.875	36.09375	49	598
MARC001175-000_001	MARGARET J. WELCH AND JOHN WELCH, HER HU	W. P. VINCENT	2/16/1910	3/1/1911	GRANT - WETZEL, WV	04-28-46, 04-28-46.1	50	50	50	0.125	0	0.875	0.875	43.75	107	412
MARC003004-001_001	BOBBI LYNN TYLER	AMERICAN ENERGY - MARCELLUS, LLC	12/11/2014	12/11/2019	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.276099	0.276099	0.125	0	0.875	0.875	0.241586625	160A	807
MARC003004-001_003	BOBBI LYNN TYLER	AMERICAN ENERGY - MARCELLUS, LLC	12/11/2014	12/11/2019	CENTER - WETZEL, WV	01-18-26	18.020109	0.082496	0.082496	0.125	0	0.875	0.875	0.072184	160A	807
MARC03005-001_001	DANIEL & ELIZABETH SHACKLETON	AMERICAN ENERGY - MARCELLUS, LLC	11/26/2014	11/26/2019	CENTER - WETZEL, WV	01-18-24, 01-18-27	62.25	1.0163	1.0163	0.125	0	0.875	0.875	0.8892625	161A	424
MARC03008-001_001	DAVID RYAN CRISWELL	AMERICAN ENERGY - MARCELLUS, LLC	11/21/2014	11/20/2019	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153832	0.153832	0.125	0	0.875	0.875	0.134603	161A	472
MARC03008-001_003	DAVID RYAN CRISWELL	AMERICAN ENERGY - MARCELLUS, LLC	11/21/2014	11/20/2019	CENTER - WETZEL, WV	01-18-26	18.020109	0.045964	0.045964	0.125	0	0.875	0.875	0.0402185	161A	472
MARC03008-002_001	JOHN E. & TAMMY STEENERSON	HG ENERGY, LLC	9/12/2014	9/12/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.053664	0.053664	0.125	0	0.875	0.875	0.046956	169A	315
MARC03008-002_003	JOHN E. & TAMMY STEENERSON	HG ENERGY, LLC	9/12/2014	9/12/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.016034	0.016034	0.125	0	0.875	0.875	0.01402975	169A	315
MARC03017-001_001	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-18-26	34.979891	2.001807	2.001807	0.17	0	0.83	0.83	1.66149981	164A	930
MARC03017-001_002	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-18-24	9.25	3.03305	3.03305	0.17	0	0.83	0.83	2.5174315	164A	930
MARC03017-001_003	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-14-50	16.08	5.272589	5.272589	0.17	0	0.83	0.83	4.37624887	164A	930
MARC03017-001_005	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-18-26	18.020109	1.031243	1.031243	0.17	0	0.83	0.83	0.85593169	164A	930

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MARC03216-000_001	NEWELL FAMILY TRUST	AMERICAN ENERGY - MARCELLUS, LLC	9/23/2014	9/23/2017	01-18-26	34.979891	1.943324	1.943324	1.943324	0.15	0	0.85	0.85	1.6518254	156A	445
MARC03216-000_003	NEWELL FAMILY TRUST	AMERICAN ENERGY - MARCELLUS, LLC	9/23/2014	9/23/2017	01-18-26	18.020109	1.001116	1.001116	1.001116	0.15	0	0.85	0.85	0.8509486	156A	445
MARC03536-000_001	VIRGINIA G. CROW	ASCENT RESOURCES - MARCELLUS, LLC	5/31/2016	5/31/2026	03-4-46	77.75	4.319444	4.319444	4.319444	0.14	0	0.86	0.86	3.71472184	176A	753
MARC03537-000_001	ROY LEE & EVA V RICE	ASCENT RESOURCES - MARCELLUS, LLC	6/2/2016	6/2/2026	03-4-46	77.75	1.851191	1.851191	1.851191	0.14	0	0.86	0.86	1.59202426	176A	756
MARC03538-000_001	GEORGE DWAYNE RICE	ASCENT RESOURCES - MARCELLUS, LLC	6/2/2016	6/2/2026	03-4-46	77.75	1.851191	1.851191	1.851191	0.14	0	0.86	0.86	1.59202426	176A	759
MARC03541-000_001	NORMA M. WOOD, A WIDOW	ASCENT RESOURCES - MARCELLUS, LLC	5/13/2016	5/13/2026	03-4-46	77.75	11.10714	11.10714	11.10714	0.14	0	0.86	0.86	9.5521404	175A	944
MARC03548-000_001	RONALD LYN AND MARY L. JOES	ASCENT RESOURCES - MARCELLUS, LLC	6/20/2016	5/31/2026	03-4-46	77.75	0.205688	0.205688	0.205688	0.14	0	0.86	0.86	0.17689168	177A	948
MARC03549-000_001	LINDA J. & MARK A. SMITH	ASCENT RESOURCES - MARCELLUS, LLC	6/23/2016	6/23/2026	03-4-46	77.75	1.85119	1.85119	1.85119	0.14	0	0.86	0.86	1.5920234	177A	945
MARC03676-001_001	REBECCA OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	01-18-24, 01-18-26	44.229891	0.902361	0.902361	0.902361	0.125	0	0.875	0.875	0.789565875	154A	149
MARC03676-001_003	REBECCA OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	01-18-26	18.020109	0.367639	0.367639	0.367639	0.125	0	0.875	0.875	0.321684125	154A	149
MARC03676-002_001	NEWT AND KATHERINE WAKEMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	01-18-24, 01-18-26	44.229891	0.902645	0.902645	0.902645	0.125	0	0.875	0.875	0.7898814375	154A	214
MARC03676-002_003	NEWT AND KATHERINE WAKEMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	01-18-26	18.020109	0.367755	0.367755	0.367755	0.125	0	0.875	0.875	0.321785625	154A	214
MARC03676-003_001	MACK MAURICE AND DONDEENA J. CALDWELL	HG ENERGY, LLC	8/5/2014	8/5/2024	01-18-24, 01-18-26	44.229891	0.722102	0.722102	0.722102	0.125	0	0.875	0.875	0.63188925	154A	937
MARC03676-003_003	MACK MAURICE AND DONDEENA J. CALDWELL	HG ENERGY, LLC	8/5/2014	8/5/2024	01-18-26	18.020109	0.294198	0.294198	0.294198	0.125	0	0.875	0.875	0.25742325	154A	937
MARC03676-004_001	JANET LAWRENCE, A SINGLE WOMAN	HG ENERGY, LLC	8/4/2014	8/4/2024	01-18-26	44.229891	0.722102	0.722102	0.722102	0.125	0	0.875	0.875	0.63188925	154A	932
MARC03676-004_003	JANET LAWRENCE, A SINGLE WOMAN	HG ENERGY, LLC	8/4/2014	8/4/2024	01-18-26	18.020109	0.294198	0.294198	0.294198	0.125	0	0.875	0.875	0.25742325	154A	932
MARC03676-005_001	COLLEEN OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	01-18-24, 01-18-26	44.229891	0.902361	0.902361	0.902361	0.125	0	0.875	0.875	0.789565875	154A	489
MARC03676-005_003	COLLEEN OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	01-18-26	18.020109	0.367639	0.367639	0.367639	0.125	0	0.875	0.875	0.321684125	154A	489
MARC03676-006_001	BRUCE LESTER CALDWELL, A DIVORCED MAN	HG ENERGY, LLC	9/15/2014	9/15/2024	01-18-24, 01-18-26	44.229891	0.180543	0.180543	0.180543	0.125	0	0.875	0.875	0.157975125	155A	280
MARC03676-006_003	BRUCE LESTER CALDWELL, A DIVORCED MAN	HG ENERGY, LLC	9/15/2014	9/15/2024	01-18-26	18.020109	0.073557	0.073557	0.073557	0.125	0	0.875	0.875	0.064362375	155A	280
MARC03676-007_001	BRENT AND TERRY LYNN CALDWELL	HG ENERGY, LLC	9/15/2014	9/15/2024	01-18-24, 01-18-26	44.229891	0.180543	0.180543	0.180543	0.125	0	0.875	0.875	0.157975125	155A	286
MARC03676-007_003	BRENT AND TERRY LYNN CALDWELL	HG ENERGY, LLC	9/15/2014	9/15/2024	01-18-26	18.020109	0.073557	0.073557	0.073557	0.125	0	0.875	0.875	0.064362375	155A	286
MARC03682-001_001	JUNE HARVEY	HG ENERGY, LLC	9/2/2014	9/2/2024	01-14-50, 01-18-24, 01-18-26	60.309891	2.335255	2.335255	2.335255	0.125	0	0.875	0.875	2.043348125	154A	905
MARC03682-001_003	JUNE HARVEY	HG ENERGY, LLC	9/2/2014	9/2/2024	01-18-26	18.020109	0.697755	0.697755	0.697755	0.125	0	0.875	0.875	0.610535625	154A	905
MARC03682-002_001	CLAIRE ANNE & MAJOR JOE HOLMES	HG ENERGY, LLC	8/26/2014	8/26/2024	01-14-50, 01-18-24, 01-18-26	60.309891	0.389208	0.389208	0.389208	0.15	0	0.85	0.85	0.3308268	154A	908
MARC03682-002_003	CLAIRE ANNE & MAJOR JOE HOLMES	HG ENERGY, LLC	8/26/2014	8/26/2024	01-18-26	18.020109	0.116292	0.116292	0.116292	0.15	0	0.85	0.85	0.0988482	154A	908
MARC03682-003_001	CAROL & CARL CARPENTER	HG ENERGY, LLC	9/19/2014	9/19/2024	01-14-50, 01-18-24, 01-18-26	60.309891	0.233525	0.233525	0.233525	0.125	0	0.875	0.875	0.204334375	155A	283
MARC03682-003_003	CAROL & CARL CARPENTER	HG ENERGY, LLC	9/19/2014	9/19/2024	01-18-26	18.020109	0.069775	0.069775	0.069775	0.125	0	0.875	0.875	0.061053125	155A	283

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MARC00358-001_001	DELORES J. SAPP, A WIDOW, LIFE ESTATE	EAST RESOURCES, INC.	6/18/2009	6/18/2014	CENTER - WETZEL, WV	01-18-10	19.63	9.815	9.815	0	0.875	0.875	8.588125	101A	23
MARC00554-001_001	LINDA JOYCE RYAN ORLANDO, SINGLE	CHESAPEAKE APPALACHIA, L.L.C.	8/25/2009	8/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.088998	0.088998	0.125	0.175	0.7	0.0622986	103A	495
MARC00554-001_002	LINDA JOYCE RYAN ORLANDO, SINGLE	CHESAPEAKE APPALACHIA, L.L.C.	8/25/2009	8/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.2196	0.2196	0.125	0.175	0.7	0.15372	103A	495
MARC00554-001_004	LINDA JOYCE RYAN ORLANDO, SINGLE	CHESAPEAKE APPALACHIA, L.L.C.	8/25/2009	8/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.082902	0.082902	0.125	0.175	0.7	0.0580314	103A	495
MARC00555-001_001	MARY ALICE BLACKBURN, A MARRIED WOMAN D	CHESAPEAKE APPALACHIA, LLC	9/2/2009	9/2/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.088998	0.088998	0.125	0.175	0.7	0.0622986	104A	669
MARC00555-001_002	MARY ALICE BLACKBURN, A MARRIED WOMAN D	CHESAPEAKE APPALACHIA, LLC	9/2/2009	9/2/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.2196	0.2196	0.125	0.175	0.7	0.15372	104A	669
MARC00555-001_004	MARY ALICE BLACKBURN, A MARRIED WOMAN D	CHESAPEAKE APPALACHIA, LLC	9/2/2009	9/2/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.082902	0.082902	0.125	0.175	0.7	0.0580314	104A	669
MARC00556-001_001	TEENA BETH EMCH F/K/A TEENA BETH MCINTYR	CHESAPEAKE APPALACHIA, L.L.C.	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.059539	0.059539	0.125	0.175	0.7	0.0416773	102A	468
MARC00556-001_002	TEENA BETH EMCH F/K/A TEENA BETH MCINTYR	CHESAPEAKE APPALACHIA, L.L.C.	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.146	0.146	0.125	0.175	0.7	0.1022	102A	468
MARC00556-001_004	TEENA BETH EMCH F/K/A TEENA BETH MCINTYR	CHESAPEAKE APPALACHIA, L.L.C.	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.05461	0.05461	0.125	0.175	0.7	0.0388227	102A	468
MARC00558-001_001	THEODORE A. BROOKOVER AND LINDA M. BROOK	CHESAPEAKE APPALACHIA, L.L.C.	8/12/2009	8/12/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.1781	0.1781	0.125	0.175	0.7	0.12467	103A	480
MARC00558-001_002	THEODORE A. BROOKOVER AND LINDA M. BROOK	CHESAPEAKE APPALACHIA, L.L.C.	8/12/2009	8/12/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.439	0.439	0.125	0.175	0.7	0.3073	103A	480
MARC00558-001_004	THEODORE A. BROOKOVER AND LINDA M. BROOK	CHESAPEAKE APPALACHIA, L.L.C.	8/12/2009	8/12/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.1659	0.1659	0.125	0.175	0.7	0.11613	103A	480
MARC03090-001_001	NANCY GRUBBS BURFORD	CHESAPEAKE APPALACHIA, LLC	11/11/2009	11/11/2014	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.0830529	107A	905
MARC03090-001_002	NANCY GRUBBS BURFORD	CHESAPEAKE APPALACHIA, LLC	11/11/2009	11/11/2014	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.2049768	107A	905
MARC03090-001_004	NANCY GRUBBS BURFORD	CHESAPEAKE APPALACHIA, LLC	11/11/2009	11/11/2014	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.077364	107A	905
MARC03090-003_001	DANNY J & FLORIE NE DULANEY	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.0830529	102A	474
MARC03090-003_002	DANNY J & FLORIE NE DULANEY	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.2049768	102A	474
MARC03090-003_004	DANNY J & FLORIE NE DULANEY	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.077364	102A	474
MARC03090-004_001	SANDRA JOAN & TERRY ABEREGG	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.0830529	102A	477
MARC03090-004_002	SANDRA JOAN & TERRY ABEREGG	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.2049768	102A	477
MARC03090-004_004	SANDRA JOAN & TERRY ABEREGG	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.077364	102A	477
MARC03090-005_001	SANDRA L. RICHIE	CHESAPEAKE APPALACHIA, LLC	7/10/2009	7/10/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.0830529	102A	639
MARC03090-005_002	SANDRA L. RICHIE	CHESAPEAKE APPALACHIA, LLC	7/10/2009	7/10/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.2049768	102A	639
MARC03090-005_004	SANDRA L. RICHIE	CHESAPEAKE APPALACHIA, LLC	7/10/2009	7/10/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.077364	102A	639
MARC03090-006_001	VELMA RUTH WORTH	CHESAPEAKE APPALACHIA, LLC	7/14/2009	7/14/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.0830529	102A	665
MARC03090-006_002	VELMA RUTH WORTH	CHESAPEAKE APPALACHIA, LLC	7/14/2009	7/14/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.2049768	102A	665
MARC03090-006_004	VELMA RUTH WORTH	CHESAPEAKE APPALACHIA, LLC	7/14/2009	7/14/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.077364	102A	665

MARCO3090-007_001	JAMES H. RUSH AND JANE A. RUSH, HIS WIFE	CHESAPEAKE APPALACHIA, LLC	7/15/2009	7/15/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.7	0.0830529	102A	859
MARCO3090-007_002	JAMES H. RUSH AND JANE A. RUSH, HIS WIFE	CHESAPEAKE APPALACHIA, LLC	7/15/2009	7/15/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.7	0.2049768	102A	859
MARCO3090-007_004	JAMES H. RUSH AND JANE A. RUSH, HIS WIFE	CHESAPEAKE APPALACHIA, LLC	7/15/2009	7/15/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.7	0.077364	102A	859
MARCO3090-008_001	HELEN LOUISE EARLEY	CHESAPEAKE APPALACHIA, LLC	6/24/2009	6/24/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.7	0.0830529	102A	480
MARCO3090-008_002	HELEN LOUISE EARLEY	CHESAPEAKE APPALACHIA, LLC	6/24/2009	6/24/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.7	0.2049768	102A	480
MARCO3090-008_004	HELEN LOUISE EARLEY	CHESAPEAKE APPALACHIA, LLC	6/24/2009	6/24/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.7	0.077364	102A	480
MARCO3090-009_001	WILLARD L. MINGES AND WILLA JOYCE MINGES	CHESAPEAKE APPALACHIA, LLC	7/23/2009	7/23/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.711883	0.711883	0.125	0.175	0.7	0.7	0.4983181	102A	687
MARCO3090-009_002	WILLARD L. MINGES AND WILLA JOYCE MINGES	CHESAPEAKE APPALACHIA, LLC	7/23/2009	7/23/2016	CENTER - WETZEL, WV	01-18-9	63.25	1.757	1.757	0.125	0.175	0.7	0.7	1.2299	102A	687
MARCO3090-009_004	WILLARD L. MINGES AND WILLA JOYCE MINGES	CHESAPEAKE APPALACHIA, LLC	7/23/2009	7/23/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.663117	0.663117	0.125	0.175	0.7	0.7	0.4641819	102A	687
MARCO3090-010_001	BILLY JAMES HIGGINS AND FRANCIS J.	CHESAPEAKE APPALACHIA, LLC	8/4/2009	8/4/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.237122	0.237122	0.125	0.175	0.7	0.7	0.1659854	103A	532
MARCO3090-010_002	BILLY JAMES HIGGINS AND FRANCIS J.	CHESAPEAKE APPALACHIA, LLC	8/4/2009	8/4/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.586	0.586	0.125	0.175	0.7	0.7	0.4102	103A	532
MARCO3090-010_004	BILLY JAMES HIGGINS AND FRANCIS J.	CHESAPEAKE APPALACHIA, LLC	8/4/2009	8/4/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.220878	0.220878	0.125	0.175	0.7	0.7	0.1546146	103A	532
MARCO3090-011_001	MARLENE LOUISE GARDNER, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.047631	0.047631	0.125	0.175	0.7	0.7	0.0333417	103A	638
MARCO3090-011_002	MARLENE LOUISE GARDNER, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.117	0.117	0.125	0.175	0.7	0.7	0.0819	103A	638
MARCO3090-011_004	MARLENE LOUISE GARDNER, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.04369	0.04369	0.125	0.175	0.7	0.7	0.0310583	103A	638
MARCO3090-012_001	LESTER LEE RUSH AND SARA JEAN RUSH	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.047631	0.047631	0.125	0.175	0.7	0.7	0.0333417	103A	489
MARCO3090-012_002	LESTER LEE RUSH AND SARA JEAN RUSH	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.117	0.117	0.125	0.175	0.7	0.7	0.0819	103A	489
MARCO3090-012_004	LESTER LEE RUSH AND SARA JEAN RUSH	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.04369	0.04369	0.125	0.175	0.7	0.7	0.0310583	103A	489
MARCO3090-013_001	MARY JANE POLESKI, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.047631	0.047631	0.125	0.175	0.7	0.7	0.0333417	103A	486
MARCO3090-013_002	MARY JANE POLESKI, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.116082	0.116082	0.125	0.175	0.7	0.7	0.0812574	103A	486
MARCO3090-013_004	MARY JANE POLESKI, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.04369	0.04369	0.125	0.175	0.7	0.7	0.0310583	103A	486
MARCO3090-014_001	PATRICIA JACQUELINE SILVIS AND MELVIN	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.047631	0.047631	0.125	0.175	0.7	0.7	0.0333417	103A	483
MARCO3090-014_002	PATRICIA JACQUELINE SILVIS AND MELVIN	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.117	0.117	0.125	0.175	0.7	0.7	0.0819	103A	483
MARCO3090-014_004	PATRICIA JACQUELINE SILVIS AND MELVIN	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.04369	0.04369	0.125	0.175	0.7	0.7	0.0310583	103A	483
MARCO3090-015_001	DENA LOUISE HAYES BROWN	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.1781	0.1781	0.125	0.175	0.7	0.7	0.12467	102A	690
MARCO3090-015_002	DENA LOUISE HAYES BROWN	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.439	0.439	0.125	0.175	0.7	0.7	0.3073	102A	690
MARCO3090-015_004	DENA LOUISE HAYES BROWN	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.1659	0.1659	0.125	0.175	0.7	0.7	0.11613	102A	690
MARCO3090-016_001	STEPHEN DOUGLAS HAYES	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.1781	0.1781	0.125	0.175	0.7	0.7	0.12467	102A	693

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MARCO3090-016_002	STEPHEN DOUGLAS HAYES	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.439	0.439	0.125	0.175	0.7	0.7	0.3073	102A	693
MARCO3090-016_004	STEPHEN DOUGLAS HAYES	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.1659	0.1659	0.125	0.175	0.7	0.7	0.11613	102A	693
MARCO3090-017_001	VICKI SUE HAYES MIRACLE	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.1781	0.1781	0.125	0.175	0.7	0.7	0.12467	102	668
MARCO3090-017_002	VICKI SUE HAYES MIRACLE	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.439	0.439	0.125	0.175	0.7	0.7	0.3073	102	668
MARCO3090-017_004	VICKI SUE HAYES MIRACLE	CHESAPEAKE APPALACHIA, LLC	7/21/2009	7/21/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.1659	0.1659	0.125	0.175	0.7	0.7	0.11613	102	668
MARCO3017-001_001	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-18-26	34.979891	2.001807	2.001807	0.17	0	0.83	0.83	1.66149981	164A	930
MARCO3017-001_002	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-18-24	9.25	3.03305	3.03305	0.17	0	0.83	0.83	2.5174315	164A	930
MARCO3017-001_003	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-14-50	16.08	5.272589	5.272589	0.17	0	0.83	0.83	4.37624887	164A	930
MARCO3017-001_005	JUNE A. TUCKER 2012 REVOCABLE TRUST	AMERICAN ENERGY - MARCELLUS, LLC	12/4/2014	12/4/2019	CENTER - WETZEL, WV	01-18-26	18.020109	1.031243	1.031243	0.17	0	0.83	0.83	0.85593169	164A	930
MARCO3216-000_001	NEWELL FAMILY TRUST	AMERICAN ENERGY - MARCELLUS, LLC	9/22/2014	9/22/2017	CENTER - WETZEL, WV	01-18-26	34.979891	1.943324	1.943324	0.15	0	0.85	0.85	1.6518254	156A	445
MARCO3216-000_003	NEWELL FAMILY TRUST	AMERICAN ENERGY - MARCELLUS, LLC	9/22/2014	9/22/2017	CENTER - WETZEL, WV	01-18-26	18.020109	1.001116	1.001116	0.15	0	0.85	0.85	0.8509486	156A	445
MARCO0095-001_001	CANDICE LOU BOOKHART	AMERICAN ENERGY - MARCELLUS, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153845	0.153845	0.125	0	0.875	0.875	0.134614375	157A	306
MARCO0095-001_003	CANDICE LOU BOOKHART	AMERICAN ENERGY - MARCELLUS, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.045967	0.045967	0.125	0	0.875	0.875	0.04021125	157A	306
MARCO0042-001_001	JULIENNE ANNA BUSCHO	HG ENERGY, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.233526	0.233526	0.125	0	0.875	0.875	0.20433525	169A	325
MARCO0042-001_003	JULIENNE ANNA BUSCHO	HG ENERGY, LLC	9/26/2014	9/26/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.069776	0.069776	0.125	0	0.875	0.875	0.061054	169A	325
MARCO0050-001_001	RYAN LEE REINECKER, A SINGLE MAN	AMERICAN ENERGY - MARCELLUS, LLC	10/13/2014	10/13/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153835	0.153835	0.125	0	0.875	0.875	0.134605625	157A	303
MARCO0050-001_003	RYAN LEE REINECKER, A SINGLE MAN	AMERICAN ENERGY - MARCELLUS, LLC	10/13/2014	10/13/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.045965	0.045965	0.125	0	0.875	0.875	0.040219375	157A	303
MARCO0049-001_001	MELANIE LOHMAN, A MARRIED WOMAN	AMERICAN ENERGY - MARCELLUS, LLC	10/6/2014	10/6/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153835	0.153835	0.125	0	0.875	0.875	0.134605625	157A	300
MARCO0049-001_003	MELANIE LOHMAN, A MARRIED WOMAN	AMERICAN ENERGY - MARCELLUS, LLC	10/6/2014	10/6/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.045965	0.045965	0.125	0	0.875	0.875	0.040219375	157A	300
MARCO3004-001_001	BOBBI LYNN TYLER	AMERICAN ENERGY - MARCELLUS, LLC	12/11/2014	12/11/2019	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.276099	0.276099	0.125	0	0.875	0.875	0.241586625	160A	807
MARCO3004-001_003	BOBBI LYNN TYLER	AMERICAN ENERGY - MARCELLUS, LLC	12/11/2014	12/11/2019	CENTER - WETZEL, WV	01-18-26	18.020109	0.082496	0.082496	0.125	0	0.875	0.875	0.072184	160A	807
MARCO3008-001_001	DAVID RYAN CRISWELL	AMERICAN ENERGY - MARCELLUS, LLC	11/21/2014	11/20/2019	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.153832	0.153832	0.125	0	0.875	0.875	0.134603	161A	472
MARCO3008-001_003	DAVID RYAN CRISWELL	AMERICAN ENERGY - MARCELLUS, LLC	11/21/2014	11/20/2019	CENTER - WETZEL, WV	01-18-26	18.020109	0.045964	0.045964	0.125	0	0.875	0.875	0.0402185	161A	472
MARCO3008-002_001	JOHN E. & TAMMY STENERSON	HG ENERGY, LLC	9/12/2014	9/12/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.053664	0.053664	0.125	0	0.875	0.875	0.046956	169A	315
MARCO3008-002_003	JOHN E. & TAMMY STENERSON	HG ENERGY, LLC	9/12/2014	9/12/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.016034	0.016034	0.125	0	0.875	0.875	0.01402975	169A	315
MARCO3682-001_001	JUNE HARVEY	HG ENERGY, LLC	9/2/2014	9/2/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	2.35255	2.35255	0.125	0	0.875	0.875	2.04348125	154A	905
MARCO3682-001_003	JUNE HARVEY	HG ENERGY, LLC	9/2/2014	9/2/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.697755	0.697755	0.125	0	0.875	0.875	0.61055625	154A	905
MARCO3682-002_001	CLAIRE ANNE & MAJOR JOE HOLMES	HG ENERGY, LLC	8/26/2014	8/26/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.389208	0.389208	0.15	0	0.85	0.85	0.3308268	154A	908

MARCO3682-002_003	CLAIRE ANNE & MAJOR JOE HOLMES	HG ENERGY, LLC	8/26/2014	8/26/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.116292	0.116292	0	0.85	0.85	0.0988482	154A	908
MARCO3682-003_001	CAROL & CARL CARPENTER	HG ENERGY, LLC	9/19/2014	9/19/2024	CENTER - WETZEL, WV	01-14-50, 01-18-24, 01-18-26	60.309891	0.233525	0.233525	0	0.875	0.875	0.20434375	155A	283
MARCO3682-003_003	CAROL & CARL CARPENTER	HG ENERGY, LLC	9/19/2014	9/19/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.069775	0.069775	0	0.875	0.875	0.061053125	155A	283
MARCO1796-001_001	GEORGE R. HUFF AND MARGARET J. HUFF, HIS	PENNZOIL PRODUCTS COMPANY	5/15/1996	5/15/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.129997	0.129997	0	0.875	0.875	0.113747375	76A	373
MARCO1796-001_003	GEORGE R. HUFF AND MARGARET J. HUFF, HIS	PENNZOIL PRODUCTS COMPANY	5/15/1996	5/15/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.875003	0.875003	0	0.875	0.875	0.765627625	76A	373
MARCO1797-001_001	JESSIE M. HUFF, ALSO KNOWN AS, MAXINE HU	PENNZOIL PRODUCTS COMPANY	5/15/1996	5/15/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.129997	0.129997	0	0.875	0.875	0.113747375	76A	361
MARCO1797-001_003	JESSIE M. HUFF, ALSO KNOWN AS, MAXINE HU	PENNZOIL PRODUCTS COMPANY	5/15/1996	5/15/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.875003	0.875003	0	0.875	0.875	0.765627625	76A	361
MARCO1798-001_001	MARY LUCILLE BALL, A WIDOW	PENNZOIL PRODUCTS COMPANY	5/16/1996	5/16/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.129997	0.129997	0	0.875	0.875	0.113747375	76A	399
MARCO1798-001_003	MARY LUCILLE BALL, A WIDOW	PENNZOIL PRODUCTS COMPANY	5/16/1996	5/16/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.875003	0.875003	0	0.875	0.875	0.765627625	76A	399
MARCO1799-001_001	SUE I. HEINTZMAN AND PAUL C. HEINTZMAN,	PENNZOIL PRODUCTS COMPANY	5/16/1996	5/16/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.129997	0.129997	0	0.875	0.875	0.113747375	76A	433
MARCO1799-001_003	SUE I. HEINTZMAN AND PAUL C. HEINTZMAN,	PENNZOIL PRODUCTS COMPANY	5/16/1996	5/16/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.875003	0.875003	0	0.875	0.875	0.765627625	76A	433
MARCO1800-001_001	RAY W. CALDWELL, A SINGLE PERSON	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.014875	0.014875	0	0.875	0.875	0.013015625	76A	457
MARCO1800-001_003	RAY W. CALDWELL, A SINGLE PERSON	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.100125	0.100125	0	0.875	0.875	0.087609375	76A	457
MARCO1801-001_001	JOHN R. CALDWELL, A SINGLE PERSON	PENNZOIL PRODUCTS COMPANY	6/21/1996	6/21/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.014875	0.014875	0	0.875	0.875	0.013015625	76A	461
MARCO1801-001_003	JOHN R. CALDWELL, A SINGLE PERSON	PENNZOIL PRODUCTS COMPANY	6/21/1996	6/21/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.100125	0.100125	0	0.875	0.875	0.087609375	76A	461
MARCO1802-001_001	JANET M. LAWRENCE, A SINGLE PERSON	PENNZOIL PRODUCTS COMPANY	6/21/1996	6/21/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.014875	0.014875	0	0.875	0.875	0.013015625	76A	465
MARCO1802-001_003	JANET M. LAWRENCE, A SINGLE PERSON	PENNZOIL PRODUCTS COMPANY	6/21/1996	6/21/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.100125	0.100125	0	0.875	0.875	0.087609375	76A	465
MARCO1803-001_001	MACK M. CALDWELL AND DON DEENA J. CALDW	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.014875	0.014875	0	0.875	0.875	0.013015625	76A	473
MARCO1803-001_003	MACK M. CALDWELL AND DON DEENA J. CALDW	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.100125	0.100125	0	0.875	0.875	0.087609375	76A	473
MARCO1804-001_001	MARY A. CRISWELL, A WIDOW	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.103997	0.103997	0	0.875	0.875	0.090997375	76A	626
MARCO1804-001_003	MARY A. CRISWELL, A WIDOW	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.700003	0.700003	0	0.875	0.875	0.612502625	76A	626
MARCO1805-001_001	JOANNE M. SHACKLETON AND ALVIN W. SHACKL	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.014875	0.014875	0	0.875	0.875	0.013015625	76A	630
MARCO1805-001_003	JOANNE M. SHACKLETON AND ALVIN W. SHACKL	PENNZOIL PRODUCTS COMPANY	6/18/1996	6/18/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.100125	0.100125	0	0.875	0.875	0.087609375	76A	630
MARCO1806-001_001	JUNE L. TUCKER AND THOMAS G. TUCKER, HER	PENNZOIL PRODUCTS COMPANY	7/10/1996	7/10/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.103997	0.103997	0	0.875	0.875	0.090997375	76A	634
MARCO1806-001_003	JUNE L. TUCKER AND THOMAS G. TUCKER, HER	PENNZOIL PRODUCTS COMPANY	7/10/1996	7/10/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.700003	0.700003	0	0.875	0.875	0.612502625	76A	634
MARCO1807-001_001	NELSON V. ROGERS AND PAULLA S. ROGERS, HI	PENNZOIL PRODUCTS COMPANY	7/9/1996	7/9/2006	CENTER - WETZEL, WV	01-14-50	2.079946	0.103997	0.103997	0	0.875	0.875	0.090997375	76A	642
MARCO1807-001_003	NELSON V. ROGERS AND PAULLA S. ROGERS, HI	PENNZOIL PRODUCTS COMPANY	7/9/1996	7/9/2006	CENTER - WETZEL, WV	01-14-50	14.000054	0.700003	0.700003	0	0.875	0.875	0.612502625	76A	642
	American Energy Marcellus	East Resources Inc	8/1/2014	1/1/2078	WETZEL, WV	01-18-25		1.000000	1.000000	0	0.800	0.800	0.800000	153A	238

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American Energy Marcellus	East Resources Inc		8/1/2014	1/1/2078	WETZEL, WV	01-18-25.2			2,851,000	2,851,000	0.200	0	0.800	0.800	2,280,800	153A	238
HG Energy	Paula Suzanne Rogers		8/26/2014	8/24/2024	WETZEL, WV	01-18-26			32,609,000	32,609,000	0.200	0	0.800	0.800	26,087,200	168A	328
East Resources, Inc.	Thomas Iacaboni		6/13/2006	6/13/2011	WETZEL, WV	01-18-24			2,289,063	2,289,063	0.200	0	0.800	0.800	0,457,813	86A	214
East Resources, Inc	William Francik and Pamela Francik		6/13/2006	6/13/2011	WETZEL, WV	01-18-24			2,289,063	2,289,063	0.200	0	0.800	0.800	0,457,813	86A	210
East Resources	David B. Moore		10/8/2008	12/1/2078	WETZEL, WV	01-18-7.5			2,575,564	2,575,564	0.200	0	0.800	0.800	1,287,782	95A	636
Tribune Resources	Ascent Resources		8/31/2018	12/31/2078	WETZEL, WV	01-18-7.8			0,756,250	0,756,250	0.200	0	0.800	0.800	0,151,250	13	427
East Resources	David B. Moore		10/8/2008	12/1/2078	WETZEL, WV	01-18-7.8			1,921,875	1,921,875	0.200	0	0.800	0.800	0,960,938	95A	636
Tribune Resources	Ascent Resources		8/31/2018	12/31/2078	WETZEL, WV	01-18-7.1			0,756,250	0,756,250	0.200	0	0.800	0.800	0,151,250	13	427
American Energy - Marcellus, LLC	East Resources, Inc. & HG Energy, LLC		8/1/2014	12/31/2099	WETZEL, WV	01-15-46			0,180,764	0,180,764	0.200	0	0.800	0.800	0,144,611	440	540
Tribune Resources	Ascent Resources Marcellus		1/29/2016	12/31/2078	WETZEL, WV	01-18-7			15,637,500	15,637,500	0.200	0	0.800	0.800	3,127,500	448	247
East Resources	David B. Moore		10/8/2008	12/1/2078	WETZEL, WV	01-18-7.3			2,423,750	2,423,750	0.200	0	0.800	0.800	1,211,875	95A	636
American Energy - Marcellus, LLC	East Resources, Inc. & HG Energy, LLC		8/1/2014	12/31/2099	WETZEL, WV	01-15-22			0,005,344	0,005,344	0.200	0	0.800	0.800	0,004,275	440	540
American Energy - Marcellus, LLC	East Resources, Inc. & HG Energy, LLC		8/1/2014	12/31/2099	WETZEL, WV	01-15-33			0,007,816	0,007,816	0.200	0	0.800	0.800	0,006,253	440	540
American Energy - Marcellus, LLC	East Resources, Inc. & HG Energy, LLC		8/1/2014	12/31/2099	WETZEL, WV	01-15-34			0,396,341	0,396,341	0.200	0	0.800	0.800	0,317,073	440	540
American Energy - Marcellus, LLC	East Resources, Inc. & HG Energy, LLC		8/1/2014	12/31/2099	WETZEL, WV	01-15-34.1			0,001,844	0,001,844	0.200	0	0.800	0.800	0,001,475	440	540
American Energy - Marcellus, LLC	East Resources, Inc. & HG Energy, LLC		8/1/2014	12/31/2099	WETZEL, WV	01-15-35			0,048,405	0,048,405	0.200	0	0.800	0.800	0,038,724	440	540
American Energy - Marcellus, LLC	East Resources, Inc. & HG Energy, LLC		8/1/2014	12/31/2099	WETZEL, WV	01-15-36			0,025,045	0,025,045	0.200	0	0.800	0.800	0,020,036	440	540

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Exhibit A - Part III
Tribune Fee/Mineral Interests

LEASE TRACT	Lessor	Lessee	Lease Date	Township Name	Tract - Tax Parcel	Gross	Company Net	Marcellus Co Net	TOTAL MINERALS	Royalty	ORRI	Lease MRI	Company MRI	MRI Acres	Book	Page
MARCO2997-000_196	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/1/2014	CENTER - WETZEL, WV	01-15-22, 01-15-33, 01-15-34, 01-15-34-1, 01-15-35, 01-15-36, 01-15-46	84	0.67	0.67	0.67000000	0	0	0.83	0.83	0.5561	440	540
MARCO2997-000_003	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/1/2014	CENTER - WETZEL, WV	01-14-50	16.08	0.0766	0.0766	0.0766	0	0	0.83	0.83	0.063578	440	540
MARCO2997-000_009	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/1/2014	CENTER - WETZEL, WV	01-14-42, 01-18-11, 01-18-11.1	24.75	0.229167	0.229167	0.229167	0	0	0.83	0.83	0.19020861	440	540
MARCO2997-000_178	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/1/2014	CENTER - WETZEL, WV	01-14-42, 01-18-11, 01-18-11.1	63.25	0.292824	0.292824	0.292824	0	0	0.83	0.83	0.24306392	440	540
MARCO2997-000_115	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/1/2014	GRANT - WETZEL, WV	01-14-51	26	0.81	0.81	0.81	0	0	0.83	0.83	0.6723	440	540

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September 13, 2023

Via FedEx Overnight Delivery

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304

RE: Horizontal Well Work Permit Application Modification – EXPEDITED REVIEW REQUESTED
Haggard 12H
Permit Number 47-103-03530
Center District, Wetzel County, WV

WVDEP Recipient,

Attached please find the Well Work Permit Application for the well referenced above. You will find the following included with this submittal:

- Check in the amount \$2,500.00 for the permit fee and an additional \$5,000.00 for the expedited permit modification fee
- Completed WW-6B and supporting documents, approved by the O&G Inspector
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation
- Hydraulic Fracturing Monitoring Plan
- Offset Well Map and Table
- Disk containing the revised Water Management Plan to add two additional sources

EQT is proposing to extend the lateral from the previously permitted length.

EQT Production trusts that if any portion of the submitted documentation is found to be inadequate for processing the permit, notification will be made to our Permitting department at your earliest convenience. It is EQT Production's intent to cooperate fully to provide any additional requested documentation and clarification in a timely manner such that permitting proceeds in a predictable and logical manner.

Best Regards,

John Zavatchan
Project Specialist – Permitting
jzavatchan@eqt.com
724-746-9073

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