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west virginia department of environmental protection

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

Harold D. Ward, Cabinet Secretary  
[www.dep.wv.gov](http://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 10H  
47-103-03529-00-00

**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.



James A. Martin  
Chief

Operator's Well Number: Haggard 10H  
Farm Name: Amie Lee Henderson  
U.S. WELL NUMBER: 47-103-03529-00-00  
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: 10H 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: 25,485'

11) Proposed Horizontal Leg Length: 17,500'

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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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	25485	25485 ✓	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**

Kind:				RECEIVED Office of Oil and Gas
Sizes:				SEP 18 2023
Depths Set:				WV Department of Environmental Protection

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

This well has been drilled to an MD of 6,851' 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.

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

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.

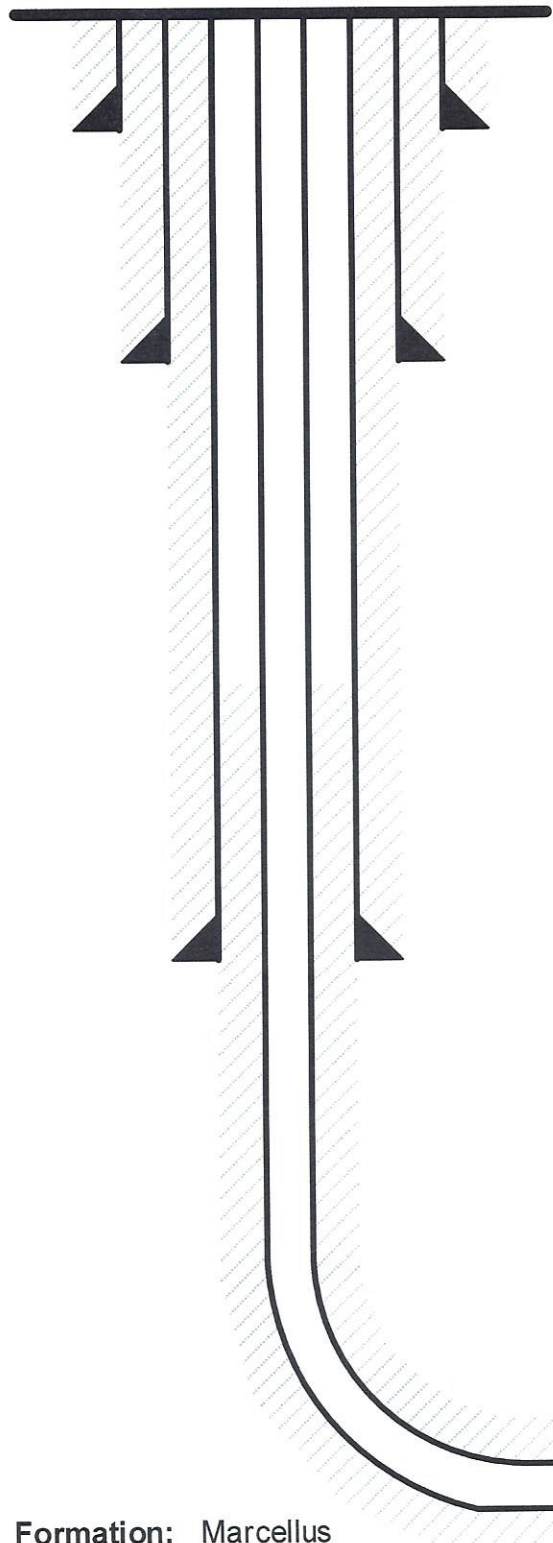
\*Note: Attach additional sheets as needed.

**EQT Production**

**Wellbore Diagram**

Well: Haggard 10H  
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 ✓

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**Production @ 25,485' MD / 7,600' TVD** ✓

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

Formation: Marcellus

Stephen  
Mccoy

Digitally signed by  
Stephen Mccoy  
Date: 2023.09.08 10:05:02  
-04'00'

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.

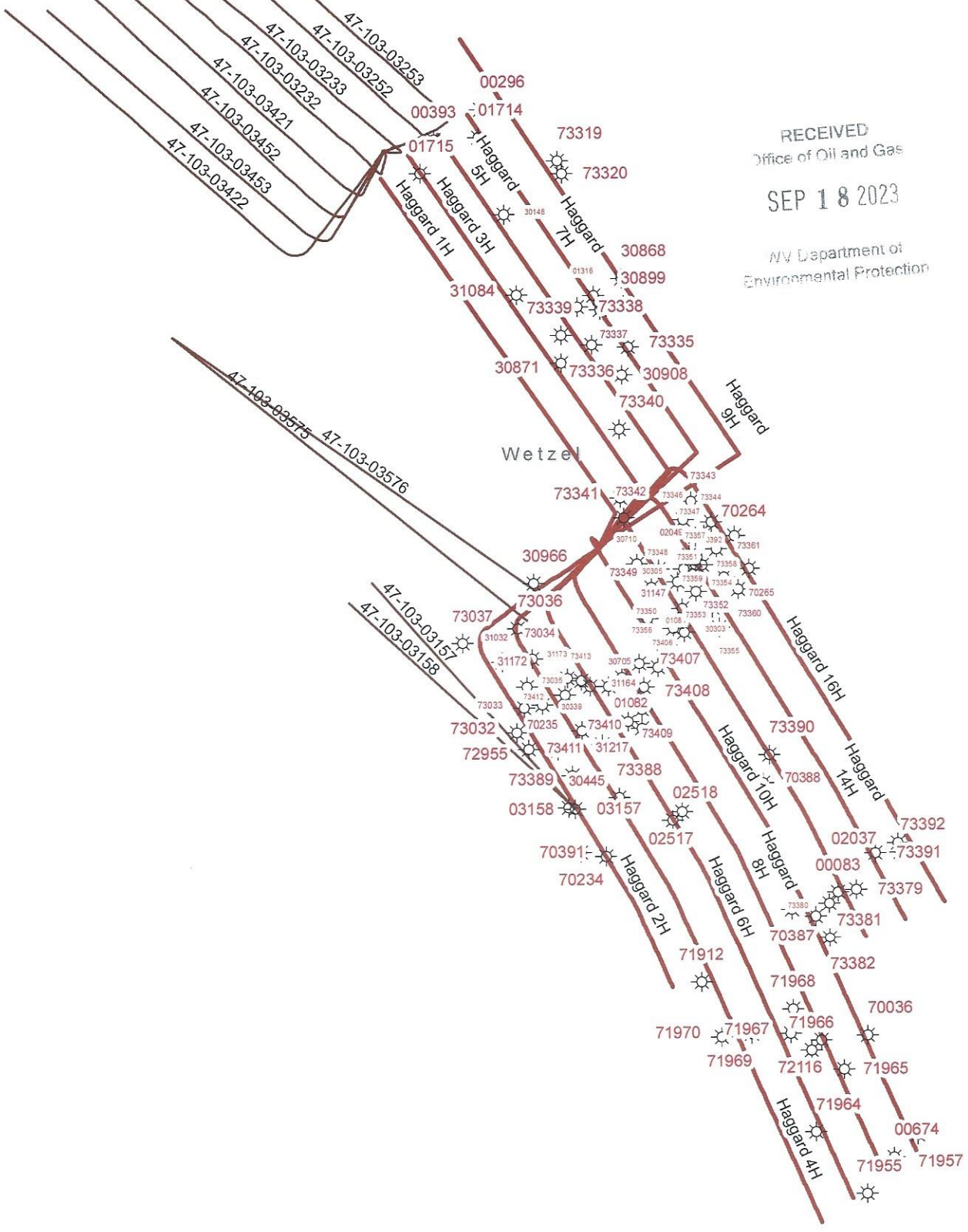
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EQT Corporation  
625 Liberty Avenue  
Pittsburgh, PA 15222

Haggard

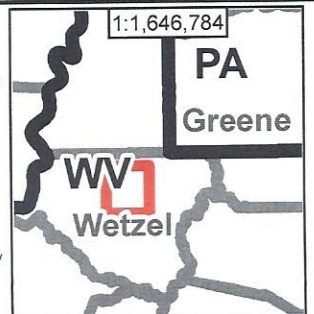
Vertical Offsets and  
Foreign Laterals  
within 500'

- Legend**
- ☀ Foreign\_Offset\_Wells
  - Foreign\_Laterals
  - Well Lateral\_FM
  - Formation**
  - Geneseo
  - 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.



09/29/2023



SEP 18 2023

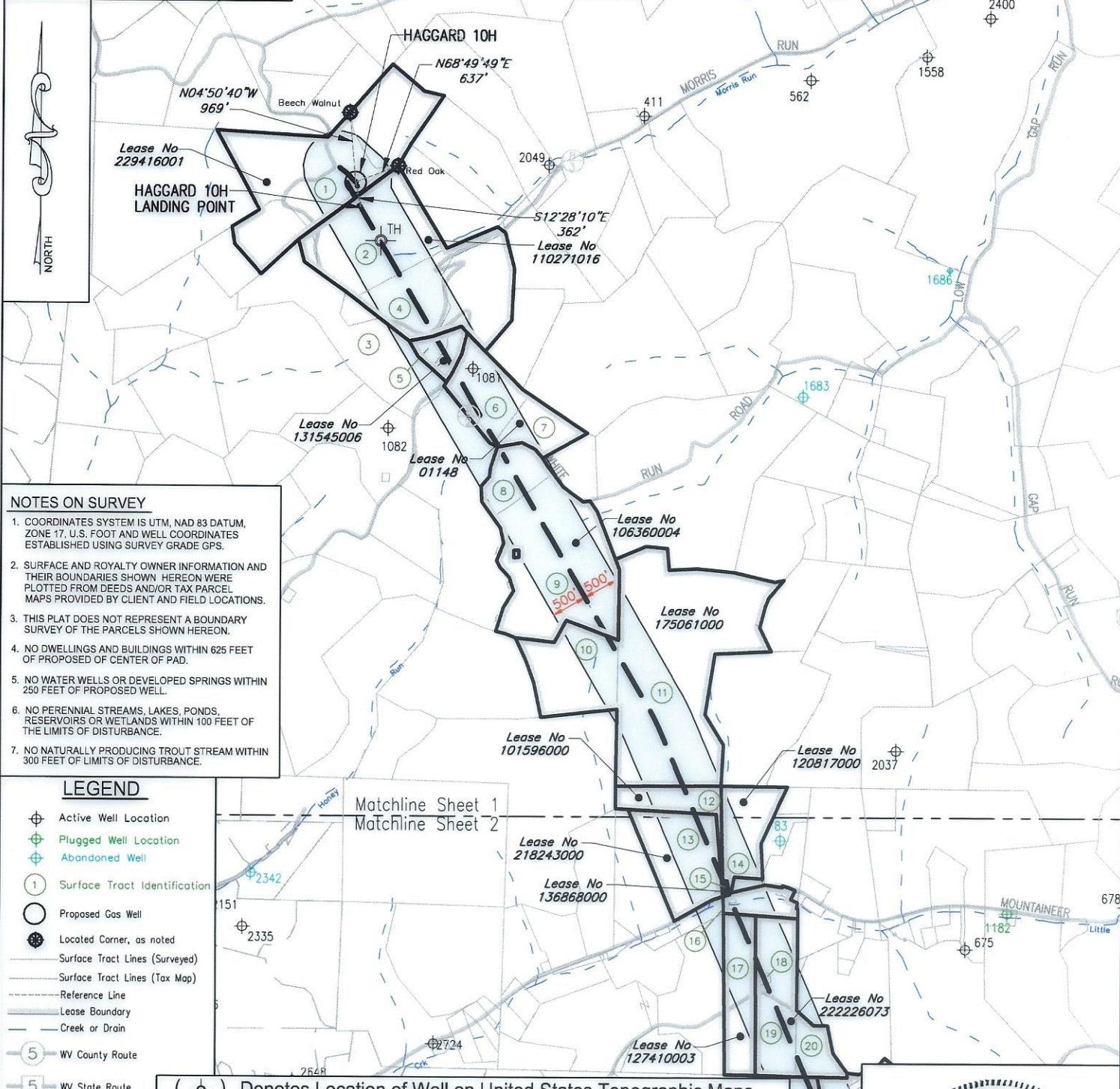
API_LUWL_Un	API_LUWL_L2	ENVOperato	InitialOp	ENVWllTyp	EnvWllSta	ENWWellTyp	InitialOp	Latitude	Longitude	ElevationG	ElevatnG	MD_FT	TVL_FT	WellName	Wellsymbol
71912	47-103-71912-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.623050	-80.611246	1003.00	1003.00	0.00	0.00	0.00 STEPHEN DEAN	UNREPORTED-UNREPORTED
73337	47-103-73337-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.671259	-80.619928	1134.00	1134.00	0.00	0.00	0.00 J N LEWISTERS	UNREPORTED-UNREPORTED
70391	47-103-70391-00	SOUTH PENN OIL (S. PENN NAT. GAS)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.622236	-80.619901	1097.00	1097.00	0.00	0.00	0.00 L W POSTLETHWAIT	UNREPORTED-UNREPORTED
73356	47-103-73356-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.648460	-80.613360	1399.00	1399.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED
31173	47-103-31173-00	W M BISSETT		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.644996	-80.623283	1394.00	1394.00	0.00	0.00	0.00 RICHARD POSTLEWAIT	UNREPORTED-UNREPORTED
73352	47-103-73352-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.649912	-80.612609	1284.00	1284.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED
73319	47-103-73319-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.681854	-80.623680	1448.00	1448.00	0.00	0.00	0.00 F E MILLER	UNREPORTED-UNREPORTED
30899	47-103-30899-00	QUAKER STATE OIL REFINING CO.		INACTIVE COMPLETED	INACTIVE COMPLETED	INACTIVE COMPLETED	(N/A)	39.671582	-80.617668	1290.00	1290.00	0.00	0.00	3247.000 ELI CARNEY 1	OIL-INACTIVE COMPLETED
73342	47-103-73342-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.656443	-80.617864	1250.00	1250.00	0.00	0.00	0.00 W Y TEAGARDEN	UNREPORTED-UNREPORTED
30871	47-103-30871-00	QUAKER STATE OIL REFINING CO.		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.667532	-80.623482	1178.00	1178.00	0.00	0.00	0.00 W Y TEAGARDEN	UNREPORTED-UNREPORTED
31164	47-103-31164-00	W M BISSETT		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.644416	-80.621220	1452.00	1452.00	0.00	0.00	0.00 PETER POSTLETHWAIT	UNREPORTED-UNREPORTED
31147	47-103-31147-00	QUAKER STATE OIL REFINING CO.		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.649202	-80.615782	1468.00	1468.00	0.00	0.00	3407.000 1	OIL & GAS COMPLETED
73389	47-103-73389-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.638011	-80.622932	1394.00	1394.00	0.00	0.00	0.00 P POSTLETHWAIT	UNREPORTED-UNREPORTED
71965	47-103-71965-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.616664	-80.598132	1345.00	1345.00	0.00	0.00	0.00 E HENRY HEIRS	UNREPORTED-UNREPORTED
73392	47-103-73392-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.632206	-80.592716	1225.00	1225.00	0.00	0.00	0.00 W JACKSON	UNREPORTED-UNREPORTED
73409	47-103-73409-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.642655	-80.616363	1318.00	1318.00	0.00	0.00	0.00 B B POSTLETHWAIT	UNREPORTED-UNREPORTED
73361	47-103-73361-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.654121	-80.609418	1309.00	1309.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED
30148	47-103-30148-00	DONALD DILLINGER		GAS	UNREPORTED	GAS	(N/A)	39.678107	-80.628750	1332.00	1332.00	0.00	0.00	3392.000 THEO MILLER	GAS-UNREPORTED
01715	47-103-01715-00	HORNER OIL AND GAS PRODUCTION, INC.		INACTIVE COMPLETED	INACTIVE COMPLETED	INACTIVE COMPLETED	(N/A)	39.681127	-80.636446	1380.00	1380.00	3401.000	3401.000	0.00 JOHN PYLES 1	OIL & GAS PRODUCING
70235	47-103-70235-00	SOUTH PENN OIL (S. PENN NAT. GAS)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.639776	-80.624218	1188.00	1188.00	0.00	0.00	0.00 R J POSTLETHWAIT	UNREPORTED-INACTIVE COMPLETED
01682	47-103-01682-00	HORNER OIL AND GAS PRODUCTION, INC.		PRODUCING	PRODUCING	PRODUCING	(N/A)	39.644977	-80.618240	1575.00	1575.00	3503.000	3503.000	0.00 T J POSTLETHWAIT 2	OIL-PRODUCING
01714	47-103-01714-00	HORNER OIL AND GAS PRODUCTION, INC.		PRODUCING	PRODUCING	PRODUCING	(N/A)	39.683595	-80.631002	1347.00	1356.00	3280.000	3280.000	0.00 O. W. YEATER 1	OIL & GAS PRODUCING
02049	47-103-02049-00	DIVERSIFIED ENERGY		PRODUCING	PRODUCING	PRODUCING	(N/A)	39.653138	-80.610594	1162.00	1171.00	3570.000	3570.000	0.00 MORRIS 1	GAS-PRODUCING
30908	47-103-30908-00	QUAKER STATE OIL REFINING CO.		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.666603	-80.617853	1372.00	1372.00	0.00	0.00	0.00 PETER WHITE	UNREPORTED-UNREPORTED
73355	47-103-73355-00	BP		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.648461	-80.609230	1328.00	1328.00	0.00	0.00	0.00 J C HORNER 1	OIL-INACTIVE COMPLETED
30710	47-103-30710-00	RANDALL-ZOGG SUPPLY CO.		INACTIVE COMPLETED	INACTIVE COMPLETED	INACTIVE COMPLETED	(N/A)	39.653117	-80.616722	1295.00	1295.00	0.00	0.00	3190.000 J C HORNER 1	OIL-INACTIVE COMPLETED
73359	47-103-73359-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.652089	-80.608668	1251.00	1251.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED
30305	47-103-30305-00	C D CROUCH OIL CO		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.652682	-80.612407	1195.00	1195.00	0.00	0.00	0.00 JENNIE MORRIS	UNREPORTED-UNREPORTED
73358	47-103-73358-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.652960	-80.611295	1278.00	1278.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTED-UNREPORTED
73347	47-103-73347-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.654992	-80.611295	1196.00	1196.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTED-UNREPORTED
70992	47-103-70992-00	SOUTH PENN OIL (S. PENN NAT. GAS)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.652972	-80.610718	1299.00	1299.00	0.00	0.00	0.00 T J SHOWALTER	UNREPORTED-UNREPORTED
31172	47-103-31172-00	W M BISSETT		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.644416	-80.627034	1362.00	1362.00	0.00	0.00	0.00 J M DULANEY	UNREPORTED-UNREPORTED
73339	47-103-73339-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.632205	-80.594967	1511.00	1511.00	0.00	0.00	0.00 J GARRETT & C TAYLOR	UNREPORTED-UNREPORTED
71966	47-103-71966-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.669517	-80.623483	1212.00	1212.00	0.00	0.00	0.00 W Y TEAGARDEN	UNREPORTED-UNREPORTED
00083	47-103-00083-00	P J BLANK		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.618115	-80.601129	1216.00	1216.00	0.00	0.00	0.00 E HENRY HEIRS	UNREPORTED-UNREPORTED
73346	47-103-73346-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.629448	-80.598554	1075.00	1085.00	2984.000	2984.000	0.00 GARRETT, ROSA 1	WATER-P & A
73357	47-103-73357-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.656153	-80.612420	1347.00	1347.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTED-UNREPORTED
71970	47-103-71970-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.652250	-80.611295	1290.00	1290.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTED-UNREPORTED
73348	47-103-73348-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.619132	-80.609372	1395.00	1395.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-UNREPORTED
73390	47-103-73390-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.653686	-80.611858	1172.00	1172.00	0.00	0.00	0.00 ELIZABETH SOLE	UNREPORTED-UNREPORTED
73381	47-103-73381-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.639317	-80.604727	1544.00	1544.00	0.00	0.00	0.00 A C WOOD	UNREPORTED-UNREPORTED
72116	47-103-72116-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.627706	-80.600598	1032.00	1032.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTED-UNREPORTED
73343	47-103-73343-00	MANUFACTURERS LIGHT & HEAT CO		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.618841	-80.600193	1240.00	1240.00	0.00	0.00	0.00 E HENRY	UNREPORTED-UNREPORTED
73410	47-103-73410-00	CXK		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.657460	-80.611670	1203.00	1203.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTED-UNREPORTED
02518	47-103-02518-00	(N/A)		PERMIT CANCELLED	PERMIT CANCELLED	PERMIT CANCELLED	(N/A)	39.641349	-80.616362	1276.00	1276.00	0.00	0.00	0.00 T & S POSTLETHWAIT	UNREPORTED-UNREPORTED
70036	47-103-70036-00	MANUFACTURERS LIGHT & HEAT CO		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.643695	-80.613742	1508.00	1519.00	0.00	0.00	0.00 LEE, WILLIAM E. WZLOGA	GAS-PERMIT CANCELLED
73407	47-103-73407-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.619137	-80.616175	1358.00	1358.00	0.00	0.00	0.00 FRANKLIN BLAKE	OIL-INREPORTED
30445	47-103-30445-00	SOUTH PENN OIL (S. PENN NAT. GAS)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.642432	-80.616175	1358.00	1358.00	0.00	0.00	0.00 B POSTLETHWAIT	UNREPORTED-UNREPORTED
30339	47-103-30339-00	MANUFACTURERS LIGHT & HEAT CO		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.645993	-80.616550	1498.00	1498.00	0.00	0.00	0.00 M E POSTLETHWAIT	UNREPORTED-UNREPORTED
70265	47-103-70265-00	SOUTH PENN OIL (S. PENN NAT. GAS)		INACTIVE COMPLETED	INACTIVE COMPLETED	INACTIVE COMPLETED	(N/A)	39.635716	-80.623278	1345.00	1345.00	0.00	0.00	3310.000 PETER POSTLETHWAITE 3	OIL & GAS-INACTIVE COMPLETED
30688	47-103-30688-00	SOUTH PENN OIL (S. PENN NAT. GAS)		INACTIVE COMPLETED	INACTIVE COMPLETED	INACTIVE COMPLETED	(N/A)	39.652682	-80.621968	1297.00	1297.00	0.00	0.00	3260.000 SUSANNA POSTLETHWAITE 1	OIL & GAS-INACTIVE COMPLETED
72955	47-103-72955-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.673517	-80.617856	1091.00	1091.00	0.00	0.00	3077.000 J L CARNEY 4	UNREPORTED-COMPLETED
70264	47-103-70264-00	QUAKER STATE OIL REFINING CO.		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.639897	-80.626876	1067.00	1067.00	0.00	0.00	0.00 ELIZABETH DULANEY	UNREPORTED-COMPLETED
30966	47-103-30966-00	SOUTH PENN OIL (S. PENN NAT. GAS)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.655002	-80.607718	1226.00	1226.00	0.00	0.00	3162.000 2	UNREPORTED-UNREPORTED
73335	47-103-73335-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.651812	-80.626312	1112.00	1112.00	0.00	0.00	3011.000 P R LIVINGSTON 2	OIL-INACTIVE COMPLETED
73354	47-103-73354-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.668646	-80.617300	1315.00	1315.00	0.00	0.00	0.00 RENA CARNEY	UNREPORTED-UNREPORTED
71969	47-103-71969-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.649912	-80.608793	1461.00	1461.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTED-UNREPORTED
73380	47-103-73380-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.619276	-80.608563	1340.00	1340.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-UNREPORTED
70234	47-103-70234-00	SOUTH PENN OIL (S. PENN NAT. GAS)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.628577	-80.599285	1112.00	1112.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTED-UNREPORTED
71964	47-103-71964-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.652526	-80.622151	1263.00	1263.00	0.00	0.00	0.00 PETER POSTLETHWAIT	UNREPORTED-UNREPORTED
70387	47-103-70387-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.612164	-80.600755	1216.00	1216.00	0.00	0.00	0.00 JOHN INGRAM	UNREPORTED-UNREPORTED
73360	47-103-73360-00	MANUFACTURERS LIGHT & HEAT CO		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.628176	-80.602884	1185.00	1185.00	0.00	0.00	0.00 GEORGE B POTTS	UNREPORTED-UNREPORTED
70388	47-103-70388-00	SOUTH PENN OIL (S. PENN NAT. GAS)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.653218	-80.607353	1368.00	1368.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED
73344	47-103-73344-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.637311	-80.605274	1518.00	1518.00	0.00	0.00	0.00 S C MILLER	UNREPORTED-UNREPORTED
73351	47-103-73351-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.656008	-80.609794	1205.00	1205.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTED-UNREPORTED
73382	47-103-73382-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.651799	-80.612984	1254.00	1254.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED
01081	47-103-01081-00	HORNER OIL AND GAS PRODUCTION, INC.		OTHER	OTHER	OTHER	(N/A)	39.626109	-80.599284	1229.00	1239.00	0.00	0.00	0.00 MAYO	OTHER-P & A
73350	47-103-73350-00	(N/A)		UNREPORTED	UNREPORTED	UNREPORTED	(N/A)	39.647299	-80.614111	1518.00	1527.00	3401.000	3401.000	0.00 POSTLETHWAIT, B. B 2	OIL-P & A
73053	47-103-73053-00	(N/A)		UNREPORTED	UNREPORTED										

Horizontal	API Well ID	ENV/Operator	ENV/WellSite	Initial Op	Latitude	Longitude	Elevation	ElevationK	MD_FT	TVD_FT	WellName	WellSymbol
00674	47-103-00674-00	DIVERSIFIED ENERGY	(N/A)	GAS	(N/A)	39.610278	-80.593657	1160.00	1169.00	2989.00	2989.00	GAS-P & A
73341	47-103-73341-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.618239	-80.618239	1467.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
03157	47-103-03157-00	ANTERO RESOURCES	(N/A)	GAS	DAC ENERGY	39.635563	-80.622736	1421.00	1442.00	15928.00	0.00	GAS-DRILLED
73413	47-103-73413-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.644832	-80.621993	1498.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
31084	47-103-31084-00	REEVANS & GEORGE HIX	(N/A)	OIL	REEVANS & GEORGE HIX	39.672357	-80.627613	1369.00	0.00	3125.00	3120.00	OIL-INACTIVE COMPLETED
71957	47-103-71957-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.611874	-80.591388	1059.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73036	47-103-73036-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.648605	-80.627815	1167.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
02037	47-103-02037-00	DIVERSIFIED ENERGY	(N/A)	GAS	DIVERSIFIED PRODUCTION	39.632932	-80.592903	1241.00	1250.00	3434.00	3434.00	GAS-P & A
71955	47-103-71955-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.607666	-80.596071	1028.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
03158	47-103-03158-00	ANTERO RESOURCES	(N/A)	GAS	DAC ENERGY	39.635576	-80.623684	1422.00	1443.00	16142.00	0.00	GAS-DRILLED
71967	47-103-71967-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.613277	-80.603003	1148.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
31217	47-103-31217-00	CASSADY, WILLIAM	(N/A)	UNREPORTED	CASSADY, WILLIAM	39.641806	-80.617655	1371.00	0.00	0.00	0.00	UNREPORTED-INACTIVE COMPLETED
73388	47-103-73388-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.636414	-80.618616	1240.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73034	47-103-73034-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.646429	-80.629500	1043.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73349	47-103-73349-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.652670	-80.614673	1219.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73320	47-103-73320-00	BP	(N/A)	UNREPORTED	HOPE NATURAL GAS COMPANY	39.680983	-80.623305	1337.00	0.00	0.00	0.00	GAS-PERMIT CANCELLED
02517	47-103-02517-00	CNX	(N/A)	GAS	CNX GAS COMPANY	39.632729	-80.612758	1541.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
71968	47-103-71968-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.622018	-80.602815	1301.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73336	47-103-73336-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.668792	-80.620678	1232.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73406	47-103-73406-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.645703	-80.614861	1473.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
30303	47-103-30303-00	C.D.CROUCH GAS	(N/A)	UNREPORTED	(N/A)	39.648187	-80.612405	1295.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73037	47-103-73037-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.647590	-80.633882	1091.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73411	47-103-73411-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.642187	-80.633017	1307.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73340	47-103-73340-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.662684	-80.618238	1289.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
00393	47-103-00393-00	MANUFACTURERS LIGHT & HEAT CO	(N/A)	GAS	OPERATOR UNKNOWN	39.685549	-80.635080	1286.00	1298.00	3260.00	3260.00	GAS-P & A
73338	47-103-73338-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.671549	-80.621992	1339.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
31032	47-103-31032-00	(N/A)	(N/A)	OIL	MOSES, WILLIAM	39.646156	-80.629286	1139.00	0.00	0.00	0.00	OIL-COMPLETED
30705	47-103-30705-00	MOSES, WILLIAM	(N/A)	OIL	MOSES, WILLIAM	39.644416	-80.619531	1392.00	0.00	0.00	0.00	OIL-INACTIVE COMPLETED
73032	47-103-73032-00	RANDALL-ZOGG SUPPLY CO.	(N/A)	UNREPORTED	RANDALL-ZOGG SUPPLY CO.	39.641058	-80.628002	1127.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED
73035	47-103-73035-00	(N/A)	(N/A)	UNREPORTED	(N/A)	39.643090	-80.625562	1439.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED

Horizontal

Horizontal	API Well ID	ENV/Operator	ENV/WellSite	Initial Op	Latitude	Longitude	Elevation	ElevationK	MD_FT	TVD_FT	WellName	WellSymbol	
47-103-03421-C	47-103-03421-C	SOUTHWESTERN ENER	ENEF PRODUCING	SWN PROD	(N/A)	39.682691	-80.639657	1343.000000	1369.00	17325.00	7372.040	SWN A WITZ 1H	GAS-PRODUCING
47-103-03158-C	47-103-03158-C	ANTERO RESOURCES	DRILLED	DAC ENERGY	(N/A)	39.635576	-80.622684	1422.000000	1443.00	16142.00	0.000	ROCK CAMP 1M	GAS-DRILLED
47-103-03576-C	47-103-03576-C	SOUTHWESTERN ENER	ENEF DUC	SWN PROD	(N/A)	39.669537	-80.659597	1383.000000	1604.00	0.000	0.000	WILLIAM RITCHEA WITZ 410H	OTHER-DUC
47-103-03233-C	47-103-03233-C	SOUTHWESTERN ENER	ENEF PRODUCING	SWN PROD	(N/A)	39.682614	-80.639608	1369.000000	1390.00	20865.000	7347.000	SWN A WITZ 5H	GAS-PRODUCING
47-103-03452-C	47-103-03452-C	SOUTHWESTERN ENER	ENEF PRODUCING	SWN PROD	(N/A)	39.682664	-80.639673	1343.000000	1368.00	16741.000	7366.650	SWN A WITZ 200H	GAS-PRODUCING
47-103-03252-C	47-103-03252-C	SOUTHWESTERN ENER	ENEF COMPLETED	SWN PROD	(N/A)	39.682538	-80.639651	1344.000000	1368.00	25772.000	7347.000	SWN A WITZ 305H	OIL & GAS-COMPLETED
47-103-03422-C	47-103-03422-C	SOUTHWESTERN ENER	ENEF DUC	SWN PROD	(N/A)	39.669541	-80.659445	1584.000000	1605.00	0.000	0.000	WILLIAM RITCHEA WITZ 210H	OTHER-DUC
47-103-03422-C	47-103-03422-C	SOUTHWESTERN ENER	ENEF PRODUCING	SWN PROD	(N/A)	39.682614	-80.639703	1343.000000	1369.00	18030.000	7368.900	SWN A WITZ 601H	GAS-PRODUCING
47-103-03232-C	47-103-03232-C	SOUTHWESTERN ENER	ENEF PRODUCING	SWN PROD	(N/A)	39.682589	-80.639622	1342.000000	1368.00	18720.000	7374.760	SWN A WITZ 3H	GAS-PRODUCING
47-103-03453-C	47-103-03453-C	SOUTHWESTERN ENER	ENEF PRODUCING	SWN PROD	(N/A)	39.682641	-80.639687	1343.000000	1369.00	17178.000	7381.520	SWN A WITZ 401H	GAS-PRODUCING
47-103-03253-C	47-103-03253-C	SOUTHWESTERN ENER	ENEF PRODUCING	SWN PROD	(N/A)	39.682664	-80.639579	1344.000000	1368.00	25954.000	7359.410	SWN A WITZ 405H	GAS-PRODUCING
47-103-03157-C	47-103-03157-C	ANTERO RESOURCES	DRILLED	DAC ENERGY	(N/A)	39.635563	-80.622736	1421.000000	1442.00	15928.000	0.000	POSTLETHWAIT 1M	GAS-DRILLED

Haggard 10H  
Haggard  
EQT Production Company



**NOTES ON SURVEY**

- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17. U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- 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.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- 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

Matchline Sheet 1  
Matchline Sheet 2

(⊕) 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



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 10H  
API WELL NO: 47 - 103 - 03529  
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 ±

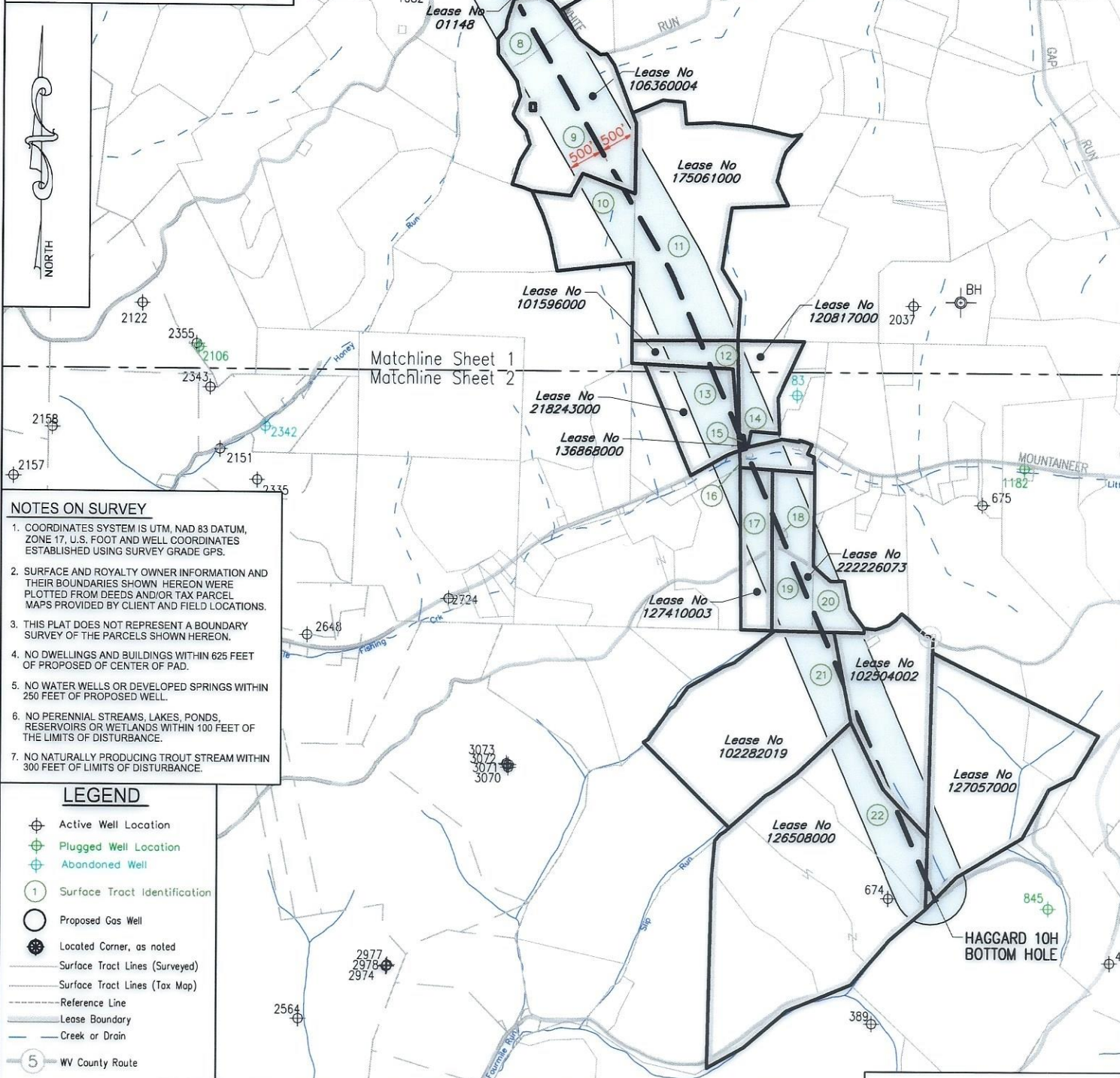
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

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 10H  
Haggard  
EQT Production Company



**NOTES ON SURVEY**

- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
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- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

**LEGEND**

- Active Well Location
- Plugged Well Location
- Abandoned Well
- 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
- WV County Route
- 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

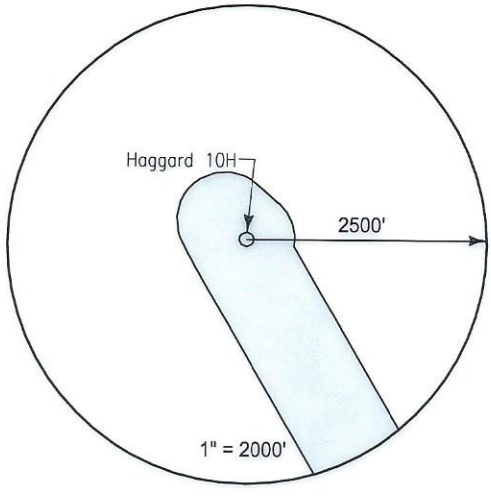
STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OIL AND GAS DIVISION

DATE: AUGUST 30 20 23  
OPERATORS WELL NO: Haggard 10H  
API WELL NO: 47 - 103 - 03529  
STATE COUNTY PERMIT

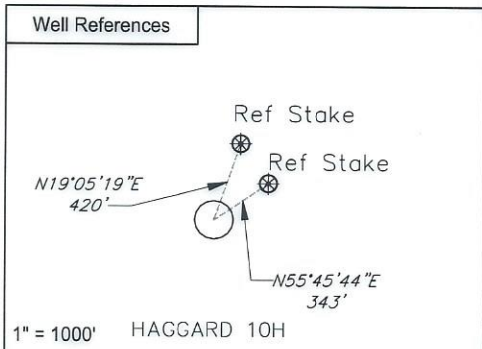
WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON  
DISTRICT: Center COUNTY: Wetzel  
SURFACE OWNER: Amie Lee Henderson ACREAGE: 84.94 ±  
ROYALTY OWNER: 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

Haggard 10H  
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	38.0	Wetzel	Center	Rusty Lee Morris	43.92
3	10	52.0	Wetzel	Center	John G. Miller ET AL	55.50
4	10	53.0	Wetzel	Center	Rusty Lee Morris	22.02
5	10	52.1	Wetzel	Center	Rusty Lee Morris	3.48
6	14	8.0	Wetzel	Center	Arthur R. Miller	20.86
7	14	19.1	Wetzel	Center	Bennett & Bradley Postlethwait	22.39
8	14	9.0	Wetzel	Center	Janice L. Whipkey ET AL	12.56
9	14	19.0	Wetzel	Center	Bennett Eugene & Bradley Curtis Postlethwait	132.68
10	14	32.0	Wetzel	Center	Kenneth R. & Jennifer L. Mason	31.19
11	14	33.0	Wetzel	Center	Dennis L. Hickie ET AL	144.00
12	14	43.0	Wetzel	Center	Dennis L. Hickie ET AL	12.63
13	14	52.0	Wetzel	Center	Lonnie H. Kirkpatrick Jr. ET AL	29.52
14	15	52.0	Wetzel	Center	Sharon M. Dulaney ET AL	25.95
15	15	52.4	Wetzel	Center	Joe Ronnie & Sharon Dulaney	0.50
16	15	50.0	Wetzel	Center	Church of Christ	0.39
17	2	1.0	Wetzel	Grant	George HRS. & Robert L. Yoho	47.49
18	19	1.1	Wetzel	Center	Cross Yoho Cemetery	0.43
19	19	1.0	Wetzel	Center	Michael Corey Dulaney	44.57
20	19	11.0	Wetzel	Center	Dale K. & Sherry L. Dulaney	10.00
21	2	4.0	Wetzel	Grant	John C. & Debbie D. Comer	104.00
22	3	5.0	Wetzel	Grant	Coastal Forest Resources Co.	179.00



Lease	Owner	Acres
229416001	Blackrock Enterprises LLC, et al.	84.94 ac of 198.1275 ac
110271016	Vivian Rine, aka/Vivian L. Rine, et al.	95.7 ac
131545006	Earnest H. Cadle, et al.	10.33 ac
01148	First United Methodist Church of New Martinsville, et al.	41.25 ac
106360004	Shiben Estates, Inc., et al.	80 ac
175061000	OXY USA, Inc., et al.	31.19 ac and 144 ac of 31,151.581 ac
101596000	Piney Holdings, Inc., et al.	12.625 ac
218243000	Hundred Resources, Inc.	29.52 ac
136868000	Ronnie Joe Dulaney and Sharon Maxine Dulaney	0.50156 ac
120817000	Raymond Lee Yoho, et al.	27.075 ac
127410003	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	23 ac
222226073	Verlin Edsel O'Neal and Ida Vaughn O'Neal Living Trust U/A/D April 12, 2000, et al.	38.50 ac
102282019	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	104 ac
102504002	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	60.06 ac
126508000	J&N Management Enterprises, LLC, et al.	332 ac

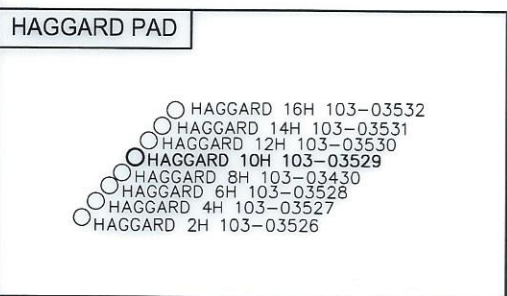


**Notes:**  
HAGGARD 10H coordinates are  
NAD 27 N: 422,377.419 E: 1,684,584.541  
NAD 27 Lat: 39.654270 Long: -80.620265  
NAD 83 UTM N: 4,389,463.724 E: 532,593.162

HAGGARD 10H Landing Point coordinates are  
NAD 27 N: 422,024.129 E: 1,684,662.680  
NAD 27 Lat: 39.653303 Long: -80.619972  
NAD 83 UTM N: 4,389,356.489 E: 532,618.761

HAGGARD 10H Bottom Hole coordinates are  
NAD 27 N: 406,372.868 E: 1,692,414.927  
NAD 27 Lat: 39.610598 Long: -80.591766  
NAD 83 UTM N: 4,384,627.658 E: 535,060.029

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.

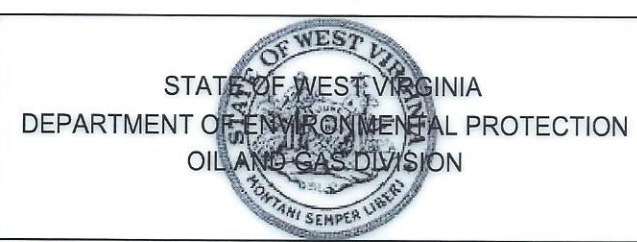


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

*L. L. S. 687*  
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 10H  
API WELL NO  
47 - 103 - 03529  
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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**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, aka Vivian L. Rine, et al.</u> Vivian Rine, aka 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>131545006</u>	<u>Earnest H. Cadle, et al.</u> Earnest H. Cadle Antero Resources Corporation	10.33 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 191A/242 OG 231A/59
<u>01148</u>	<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 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	"at least 1/8th per WV Code 22-6-8"	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

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<u>106360004</u>	<u>Shiben Estates, Inc., et al.</u> Shiben Estates, Inc. Antero Resources Corporation	80 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 174A/607 OG 231A/59
<u>175061000</u>	<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 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	"at least 1/8th per WV Code 22-6-8"	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
<u>101596000</u>	<u>Piney Holdings, Inc., et al.</u> Piney Holdings, Inc. Antero Resources Corporation	12.625 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 194A/466 OG 231A/59
<u>218243000</u>	<u>Hundred Resources, Inc.</u> Hundred Resources, Inc.	29.52 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 287A/679
<u>136868000</u>	<u>Ronnie Joe Dulaney and Sharon Maxine Dulaney &amp; wife</u> Antero Resources Corporation	0.50156 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 211A/526 OG 231A/59

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<u>120817000</u>	<p><u>Raymond Lee Yoho, et al.</u> Raymond Lee Yoho and Billiesue Yoho, a/k/a Sue Yoho, husband and wife Antero Resources Corporation</p>	<p>27.075 ac Antero Resources Corporation EQT Production Company</p>	<p>"at least 1/8th per WV Code 22-6-8" OG 179A/631 OG 231A/59</p>
<u>127410003</u>	<p><u>The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.</u> The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, by Joseph Lee Blake, Trustee Antero Resources Corporation</p>	<p>23 ac Antero Resources Corporation EQT Production Company</p>	<p>"at least 1/8th per WV Code 22-6-8" OG 219A/938 OG 269A/533</p>
<u>222226073</u>	<p><u>Verlin Edsel O'Neal and Ida Vaughn O'Neal Living Trust U/A/D April 12, 2000, et al.</u> The Verlin Edsel O'Neal and Ida Vaughn O'Neal Living Trust Agreement dated April 12, 2000, by Kimberly Riddell, successor Trustee</p>	<p>38.50 ac EQT Production Company</p>	<p>"at least 1/8th per WV Code 22-6-8" OG 302A/756</p>
<u>102282019</u>	<p><u>The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.</u> The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013 Antero Resources Corporation</p>	<p>104 ac Antero Resources Corporation EQT Production Company</p>	<p>"at least 1/8th per WV Code 22-6-8" OG 219A/935 OG 324A/748</p>
<u>102504002</u>	<p><u>The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.</u> Joseph F. and Gay K. Blake Irrevocable Trust Grantor Trust dated May 30, 2013 by Joseph L. Blake Trustee</p>	<p>60.06 ac EQT Production Company</p>	<p>"at least 1/8th per WV Code 22-6-8" OG 310A/51</p>

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126508000 J&N Management Enterprises, LLC, et al. "at least 1/8th per WV Code 22-6-8"

332 ac South Penn Oil Company DB 46/228  
 Hope Natural Gas Company DB 91/468  
 Hope Natural Gas Company DB 233/387  
 Consolidated Gas Supply Corporation OG 66A/69  
 Consolidated Gas Supply Corporation Corp. Book 13/151  
 Consolidated Gas Transmission Corporation OG 76A/232  
 CNG Transmission Corporation Corp. Book 12/253  
 Eastern States Oil & Gas, Inc. Corp. Book 12/259  
 Blazer Energy Corp. WV SOS  
 Eastern States Oil & Gas, Inc. OG 79A/244  
 Equitable Production-Eastern States, Inc. WV SOS  
 Appalachian Natural Gas Trust Corp. Book 13/14  
 Equitable Production Company Misc. Book 96/505  
 Equitable Production Company  
 EQT Production Company  
 EQT Production Company

127057000 Shiben Estates, Inc., et al. "at least 1/8th per WV Code 22-6-8"

109 ac Oxford Oil Company DB 39/483  
 Philadelphia Company DB 47/553  
 Philadelphia Company of West Virginia DB 47/561  
 Pittsburgh and West Virginia Gas Company OG 22A/352  
 Equitable Gas Company DB 187/321  
 Equitrans, Inc. AB 71A/453  
 Equitable Gas Company LLC Corp. Book 13/213  
 Equitrans, L.P. Misc 105/908  
 EQT Production Company OG 131A/81

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July 27, 2023

VIA ELECTRONIC MAIL

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

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**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.

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]

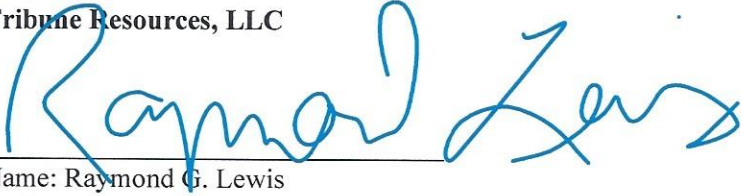
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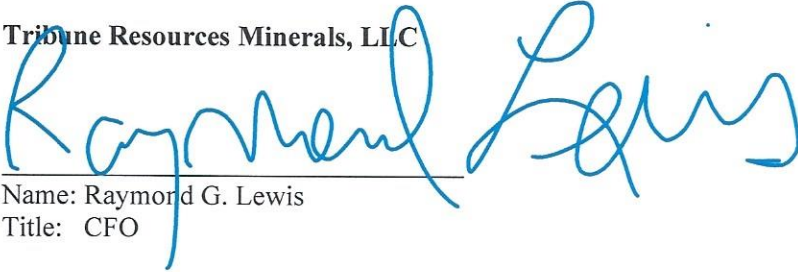
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**Tribune Resources, LLC**



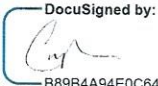
Name: Raymond G. Lewis  
Title: CFO


**Tribune Resources Minerals, LLC**



Name: Raymond G. Lewis  
Title: CFO

**EQT Production Company**

DocuSigned by:  


By:   
B89B4A94E0C646A

Name: Corey C. Peck  
Title: Vice President of Land

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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	OHRI	Lease NRI	Company NRI	NRI/Acres	Book	Page
MARCO0035-001_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
MARCO0035-001_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
MARCO0041-001_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
MARCO0041-001_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
MARCO0042-001_001	JULIENNE ANNA BUSCHIO	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 BUSCHIO	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
MARCO0043-001_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
MARCO0043-001_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
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
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
MARCO0071-001_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
MARCO1175-000_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
MARCO3004-001_001	BOBBILYNN 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	BOBBILYNN 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
MARCO3005-001_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
MARCO3008-001_001	DAVID RYAN CRISWELL	AMERICAN ENERGY - MARCELLUS, LLC	11/21/2014	11/21/2019	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	11/21/2019	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 STEENSON	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 STEENSON	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
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	1.66145981	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	4.3762887	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	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	1.001116	0.15	0	0.85	0.85	0.8509486	156A 445
MARCO3536-000_001	VIRGINIA G. CROW	ASCENT RESOURCES - MARCELLUS, LLC	5/31/2016	5/31/2026	CLAY - WETZEL, WV	03-4-46	77.75	4.319444	4.319444	4.319444	0.14	0	0.86	0.86	3.71472184	176A 753
MARCO3537-000_001	ROY LEE & EVA V RICE	ASCENT RESOURCES - MARCELLUS, LLC	6/2/2016	6/2/2026	CLAY - WETZEL, WV	03-4-46	77.75	1.851191	1.851191	1.851191	0.14	0	0.86	0.86	1.59202426	176A 756
MARCO3538-000_001	GEORGE DWAYNE RICE	ASCENT RESOURCES - MARCELLUS, LLC	6/2/2016	6/2/2026	CLAY - WETZEL, WV	03-4-46	77.75	1.851191	1.851191	1.851191	0.14	0	0.86	0.86	1.59202426	176A 759
MARCO3541-000_001	NORMA M. WOOD, A WIDOW	ASCENT RESOURCES - MARCELLUS, LLC	5/13/2016	5/13/2026	CLAY - WETZEL, WV	03-4-46	77.75	11.10714	11.10714	11.10714	0.14	0	0.86	0.86	9.5521404	175A 944
MARCO3548-000_001	RONALD LYN AND MARY L. JONES	ASCENT RESOURCES - MARCELLUS, LLC	6/20/2016	5/31/2026	CLAY - WETZEL, WV	03-4-46	77.75	0.205688	0.205688	0.205688	0.14	0	0.86	0.86	0.17689168	177A 948
MARCO3549-000_001	LINDA J. & MARK A. SMITH	ASCENT RESOURCES - MARCELLUS, LLC	6/23/2016	6/23/2026	CLAY - WETZEL, WV	03-4-46	77.75	1.85119	1.85119	1.85119	0.14	0	0.86	0.86	1.5920234	177A 945
MARCO3676-001_001	REBECCA OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	CENTER - WETZEL, WV	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
MARCO3676-001_003	REBECCA OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.367639	0.367639	0.367639	0.125	0	0.875	0.875	0.321684125	154A 149
MARCO3676-002_001	NEWT AND KATHERINE WAKEMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	CENTER - WETZEL, WV	01-18-24, 01-18-26	44.229891	0.902645	0.902645	0.902645	0.125	0	0.875	0.875	0.789814375	154A 214
MARCO3676-002_003	NEWT AND KATHERINE WAKEMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.367755	0.367755	0.367755	0.125	0	0.875	0.875	0.321785625	154A 214
MARCO3676-003_001	MACK MAURICE AND DONDENA J. CALDWELL	HG ENERGY, LLC	8/5/2014	8/5/2024	CENTER - WETZEL, WV	01-18-24, 01-18-26	44.229891	0.722102	0.722102	0.722102	0.125	0	0.875	0.875	0.63183925	154A 937
MARCO3676-003_003	MACK MAURICE AND DONDENA J. CALDWELL	HG ENERGY, LLC	8/5/2014	8/5/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.294198	0.294198	0.294198	0.125	0	0.875	0.875	0.25742325	154A 937
MARCO3676-004_001	JANET LAWRENCE, A SINGLE WOMAN	HG ENERGY, LLC	8/4/2014	8/4/2024	CENTER - WETZEL, WV	01-18-24, 01-18-26	44.229891	0.722102	0.722102	0.722102	0.125	0	0.875	0.875	0.63183925	154A 932
MARCO3676-004_003	JANET LAWRENCE, A SINGLE WOMAN	HG ENERGY, LLC	8/4/2014	8/4/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.294198	0.294198	0.294198	0.125	0	0.875	0.875	0.25742325	154A 932
MARCO3676-005_001	COLLEEN OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	CENTER - WETZEL, WV	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
MARCO3676-005_003	COLLEEN OLSON, A SINGLE WOMAN	HG ENERGY, LLC	8/1/2014	8/1/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.367639	0.367639	0.367639	0.125	0	0.875	0.875	0.321684125	154A 489
MARCO3676-006_001	BRUCE LESTER CALDWELL, A DIVORCED MAN	HG ENERGY, LLC	9/15/2014	9/15/2024	CENTER - WETZEL, WV	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
MARCO3676-006_003	BRUCE LESTER CALDWELL, A DIVORCED MAN	HG ENERGY, LLC	9/15/2014	9/15/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.073557	0.073557	0.073557	0.125	0	0.875	0.875	0.064362375	155A 280
MARCO3676-007_001	BRENT AND TERRY LYNN CALDWELL	HG ENERGY, LLC	9/15/2014	9/15/2024	CENTER - WETZEL, WV	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
MARCO3676-007_003	BRENT AND TERRY LYNN CALDWELL	HG ENERGY, LLC	9/15/2014	9/15/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.073557	0.073557	0.073557	0.125	0	0.875	0.875	0.064362375	155A 286
MARCO3682-001_001	JUNIE HARVEY	HG ENERGY, LLC	9/2/2014	9/2/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.697755	0.697755	0.697755	0.125	0	0.875	0.875	0.610535625	154A 905
MARCO3682-001_003	JUNIE HARVEY	HG ENERGY, LLC	9/2/2014	9/2/2024	CENTER - WETZEL, WV	01-18-26	18.020109	0.697755	0.697755	0.697755	0.125	0	0.875	0.875	0.610535625	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	0.389208	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	0.116292	0.15	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	0.233525	0.125	0	0.875	0.875	0.204334375	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	0.069775	0.125	0	0.875	0.875	0.061053125	155A 283

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MARCO0358-001_001	DELORES J. SAPP, A WIDOW, LIFE ESTATE	EAST RESOURCES, INC.	6/18/2014	6/18/2009	6/18/2014	CENTER - WETZEL, WV	01-18-10	19.63	9.815	9.815	0.125	0	0.875	0.875	8.588125	101A	23
MARCO0554-001_001	LINDA JOYCE RYAN ORLANDO, SINGLE	CHESAPEAKE APPALACHIA, L.L.C.	8/25/2009	8/25/2009	8/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.088998	0.088998	0.125	0.175	0.7	0.7	0.0622986	103A	495
MARCO0554-001_002	LINDA JOYCE RYAN ORLANDO, SINGLE	CHESAPEAKE APPALACHIA, L.L.C.	8/25/2009	8/25/2009	8/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.2196	0.2196	0.125	0.175	0.7	0.7	0.15372	103A	495
MARCO0554-001_004	LINDA JOYCE RYAN ORLANDO, SINGLE	CHESAPEAKE APPALACHIA, L.L.C.	8/25/2009	8/25/2009	8/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.082902	0.082902	0.125	0.175	0.7	0.7	0.0580314	103A	495
MARCO0555-001_001	MARY ALICE BLACKBURN, A MARRIED WOMAN D	CHESAPEAKE APPALACHIA, LLC	9/2/2009	9/2/2009	9/2/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.088998	0.088998	0.125	0.175	0.7	0.7	0.0622986	104A	669
MARCO0555-001_002	MARY ALICE BLACKBURN, A MARRIED WOMAN D	CHESAPEAKE APPALACHIA, LLC	9/2/2009	9/2/2009	9/2/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.2196	0.2196	0.125	0.175	0.7	0.7	0.15372	104A	669
MARCO0555-001_004	MARY ALICE BLACKBURN, A MARRIED WOMAN D	CHESAPEAKE APPALACHIA, LLC	9/2/2009	9/2/2009	9/2/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.082902	0.082902	0.125	0.175	0.7	0.7	0.0580314	104A	669
MARCO0556-001_001	TEENA BETH EMCH F/K/A TEENA BETH MCINTYR	CHESAPEAKE APPALACHIA, L.L.C.	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.059539	0.059539	0.125	0.175	0.7	0.7	0.0416773	102A	468
MARCO0556-001_002	TEENA BETH EMCH F/K/A TEENA BETH MCINTYR	CHESAPEAKE APPALACHIA, L.L.C.	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.146	0.146	0.125	0.175	0.7	0.7	0.1022	102A	468
MARCO0556-001_004	TEENA BETH EMCH F/K/A TEENA BETH MCINTYR	CHESAPEAKE APPALACHIA, L.L.C.	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.055461	0.055461	0.125	0.175	0.7	0.7	0.0388227	102A	468
MARCO0558-001_001	THEODORE A. BROOKOVER AND LINDA M. BROOK	CHESAPEAKE APPALACHIA, L.L.C.	8/12/2009	8/12/2009	8/12/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.1781	0.1781	0.125	0.175	0.7	0.7	0.12467	103A	480
MARCO0558-001_002	THEODORE A. BROOKOVER AND LINDA M. BROOK	CHESAPEAKE APPALACHIA, L.L.C.	8/12/2009	8/12/2009	8/12/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.439	0.439	0.125	0.175	0.7	0.7	0.3073	103A	480
MARCO0558-001_004	THEODORE A. BROOKOVER AND LINDA M. BROOK	CHESAPEAKE APPALACHIA, L.L.C.	8/12/2009	8/12/2009	8/12/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.1659	0.1659	0.125	0.175	0.7	0.7	0.11613	103A	480
MARCO3090-001_001	NANCY GRUBBS BURFORD	CHESAPEAKE APPALACHIA, LLC	11/11/2009	11/11/2009	11/11/2014	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.7	0.0830529	107A	905
MARCO3090-001_002	NANCY GRUBBS BURFORD	CHESAPEAKE APPALACHIA, LLC	11/11/2009	11/11/2009	11/11/2014	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.7	0.2049768	107A	905
MARCO3090-001_004	NANCY GRUBBS BURFORD	CHESAPEAKE APPALACHIA, LLC	11/11/2009	11/11/2009	11/11/2014	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.7	0.077364	107A	905
MARCO3090-003_001	DANNY J & FLORIE NE DULANEY	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.7	0.0830529	102A	474
MARCO3090-003_002	DANNY J & FLORIE NE DULANEY	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.7	0.2049768	102A	474
MARCO3090-003_004	DANNY J & FLORIE NE DULANEY	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.7	0.077364	102A	474
MARCO3090-004_001	SANDRA JOAN & TERRY ABEREGG	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.7	0.0830529	102A	477
MARCO3090-004_002	SANDRA JOAN & TERRY ABEREGG	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.7	0.2049768	102A	477
MARCO3090-004_004	SANDRA JOAN & TERRY ABEREGG	CHESAPEAKE APPALACHIA, LLC	6/25/2009	6/25/2009	6/25/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.7	0.077364	102A	477
MARCO3090-005_001	SANDRA L. RICHIE	CHESAPEAKE APPALACHIA, LLC	7/10/2009	7/10/2009	7/10/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.7	0.0830529	102A	639
MARCO3090-005_002	SANDRA L. RICHIE	CHESAPEAKE APPALACHIA, LLC	7/10/2009	7/10/2009	7/10/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.7	0.2049768	102A	639
MARCO3090-005_004	SANDRA L. RICHIE	CHESAPEAKE APPALACHIA, LLC	7/10/2009	7/10/2009	7/10/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.7	0.077364	102A	639
MARCO3090-006_001	VELMA RUTH WORTH	CHESAPEAKE APPALACHIA, LLC	7/14/2009	7/14/2009	7/14/2016	CENTER - WETZEL, WV	01-18-9	12.813894	0.118647	0.118647	0.125	0.175	0.7	0.7	0.0830529	102A	665
MARCO3090-006_002	VELMA RUTH WORTH	CHESAPEAKE APPALACHIA, LLC	7/14/2009	7/14/2009	7/14/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.292824	0.292824	0.125	0.175	0.7	0.7	0.2049768	102A	665
MARCO3090-006_004	VELMA RUTH WORTH	CHESAPEAKE APPALACHIA, LLC	7/14/2009	7/14/2009	7/14/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.11052	0.11052	0.125	0.175	0.7	0.7	0.077364	102A	665

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MARC03090-007_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
MARC03090-007_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
MARC03090-007_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
MARC03090-008_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
MARC03090-008_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
MARC03090-008_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
MARC03090-009_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
MARC03090-009_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
MARC03090-009_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
MARC03090-010_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
MARC03090-010_002	BILLY JAMES HIGGINS AND FRANCIS J.	CHESAPEAKE APPALACHIA, LLC	8/4/2009	8/4/2016	CENTER - WETZEL, WV	01-18-9	63.25	0.566	0.566	0.125	0.175	0.7	0.7	0.4102	103A	532
MARC03090-010_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
MARC03090-011_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
MARC03090-011_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
MARC03090-011_004	MARLENE LOUISE GARDNER, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.044369	0.044369	0.125	0.175	0.7	0.7	0.0310583	103A	638
MARC03090-012_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
MARC03090-012_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
MARC03090-012_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	0.044369	0.044369	0.125	0.175	0.7	0.7	0.0310583	103A	489
MARC03090-013_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
MARC03090-013_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
MARC03090-013_004	MARY JANE POLESKI, A WIDOW	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.044369	0.044369	0.125	0.175	0.7	0.7	0.0310583	103A	486
MARC03090-014_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
MARC03090-014_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
MARC03090-014_004	PATRICIA JACQUELINE SILVIS AND MELVIN	CHESAPEAKE APPALACHIA, LLC	8/13/2009	8/13/2016	CENTER - WETZEL, WV	01-18-9	11.936106	0.044369	0.044369	0.125	0.175	0.7	0.7	0.0310583	103A	483
MARC03090-015_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
MARC03090-015_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
MARC03090-015_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
MARC03090-016_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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MARC03090-016_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
MARC03090-016_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
MARC03090-017_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
MARC03090-017_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
MARC03090-017_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
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
MARC03216-000_001	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	1.6518254	156A	445
MARC03216-000_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
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
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	0.204333525	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
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
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
MARC03004-001_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
MARC03004-001_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
MARC03008-001_001	DAVID RYAN CRISWELL	AMERICAN ENERGY - MARCELLUS, LLC	11/21/2014	11/21/2019	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	11/21/2019	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 STEENSON	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 STEENSON	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
MARC03682-001_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	2.335255	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	CENTER - WETZEL, WV	01-18-26	18.020109	0.697755	0.697755	0.125	0	0.875	0.875	0.610535625	154A	905
MARC03682-002_001	CLAIRE ANNE & MAJOR JOE HOLLMES	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

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MARCO1807-001_003	CLAIRE ANNE & MAJOR JOE HOLMES	HG ENERGY, LLC	8/26/2014	8/26/2014	01-18-26	01-18-26	01-14-50, 01-18-24, 01-18-26	18.020109	0.116292	0.116292	0	0.85	0.85	0.0988482	154A 908
MARCO1807-001_001	CAROL & CARL CARPENTER	HG ENERGY, LLC	9/19/2014	9/19/2014	01-14-50, 01-18-24, 01-18-26	01-14-50, 01-18-24, 01-18-26	60.309891	0.233525	0.233525	0	0.875	0.875	0.204334375	155A 283	
MARCO1807-001_002	CAROL & CARL CARPENTER	HG ENERGY, LLC	9/19/2014	9/19/2014	01-18-26	01-18-26	18.020109	0.069775	0.069775	0	0.875	0.875	0.061063125	155A 283	
MARCO1796-001_001	GEORGE R. HUFF AND MARGARET J. HUFF, HIS	PENNZOIL PRODUCTS COMPANY	5/15/1996	5/15/2006	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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	01-14-50	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 PAULA S. ROGERS, HI	PENNZOIL PRODUCTS COMPANY	7/9/1996	7/9/2006	01-14-50	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 PAULA S. ROGERS, HI	PENNZOIL PRODUCTS COMPANY	7/9/1996	7/9/2006	01-14-50	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	01-18-25	WETZEL, WV		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	2,851,000	0.200	0	0.800	0.800	2,280,800	153A	238
HG Energy	Paula Suzanne Rogers	8/28/2014	8/24/2024	WETZEL, WV	01-18-26		32,609,000	32,609,000	32,609,000	0.200	0	0.800	0.800	26,087,200	168A	328
East Resources, Inc.	Thomas Iacoboni	6/13/2006	6/13/2011	WETZEL, WV	01-18-24		2,289,063	2,289,063	2,289,063	0.200	0	0.800	0.800	0,457,813	86A	214
East Resources, Inc	William Franck and Pamela Franck	6/13/2006	6/13/2011	WETZEL, WV	01-18-24		2,289,063	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	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	0,756,250	0.200	0	0.800	0.800	0,151,250		427
East Resources	David B. Moore	10/8/2008	12/1/2078	WETZEL, WV	01-18-7.8		1,921,875	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	0,756,250	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	0,180,764	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	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	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	0,005,344	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	0,007,816	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	0,396,341	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	0,001,844	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	0,048,405	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	0,025,045	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	Lesser	Lessee	Lease Date	Township Name	Tract - Tax Parcel	Gross	Company Net	Marcellus Co Net	TOTAL MINERALS	Royalty	ORRI	Lease NRI	Company NRI	NRI Acres	Book	Page
MARCD2997-000_196	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/7/2014	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
MARCD2997-000_003	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/7/2014	CENTER - WETZEL, WV	01-14-50	16.08	0.0766	0.0766	0.0766	0	0	0.83	0.83	0.063578	440	540
MARCD2997-000_009	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/7/2014	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
MARCD2997-000_178	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/7/2014	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	0.24304392	440	540
MARCD2997-000_115	EAST RESOURCES, INC. & HG ENERGY, LLC	AMERICAN ENERGY - MARCELLUS, LLC	8/7/2014	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

Mr. Taylor Brewer  
West Virginia Department of Environmental Protection  
Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304

Re: Haggard 10H 6A1 Addendum

Dear Mr. Brewer,

This letter and supporting documentation serve as EQT Production Company's addendum to the WW-6A1 form associated with this well. The lease included on this addendum is a lease in which EQT "claims the right to extract, produce or market the oil or gas", but does not propose to encounter the lease with the proposed wellbore. EQT would like to report this lease as part of our Well Work Permit Application, as it is located within 50' of our proposed permitted wellbore.

If EQT does encounter this lease, an application for a permit modification will be filed with the West Virginia DEP, Office of Oil and Gas.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Zavatchan'.

John Zavatchan  
Project Specialist - Permitting

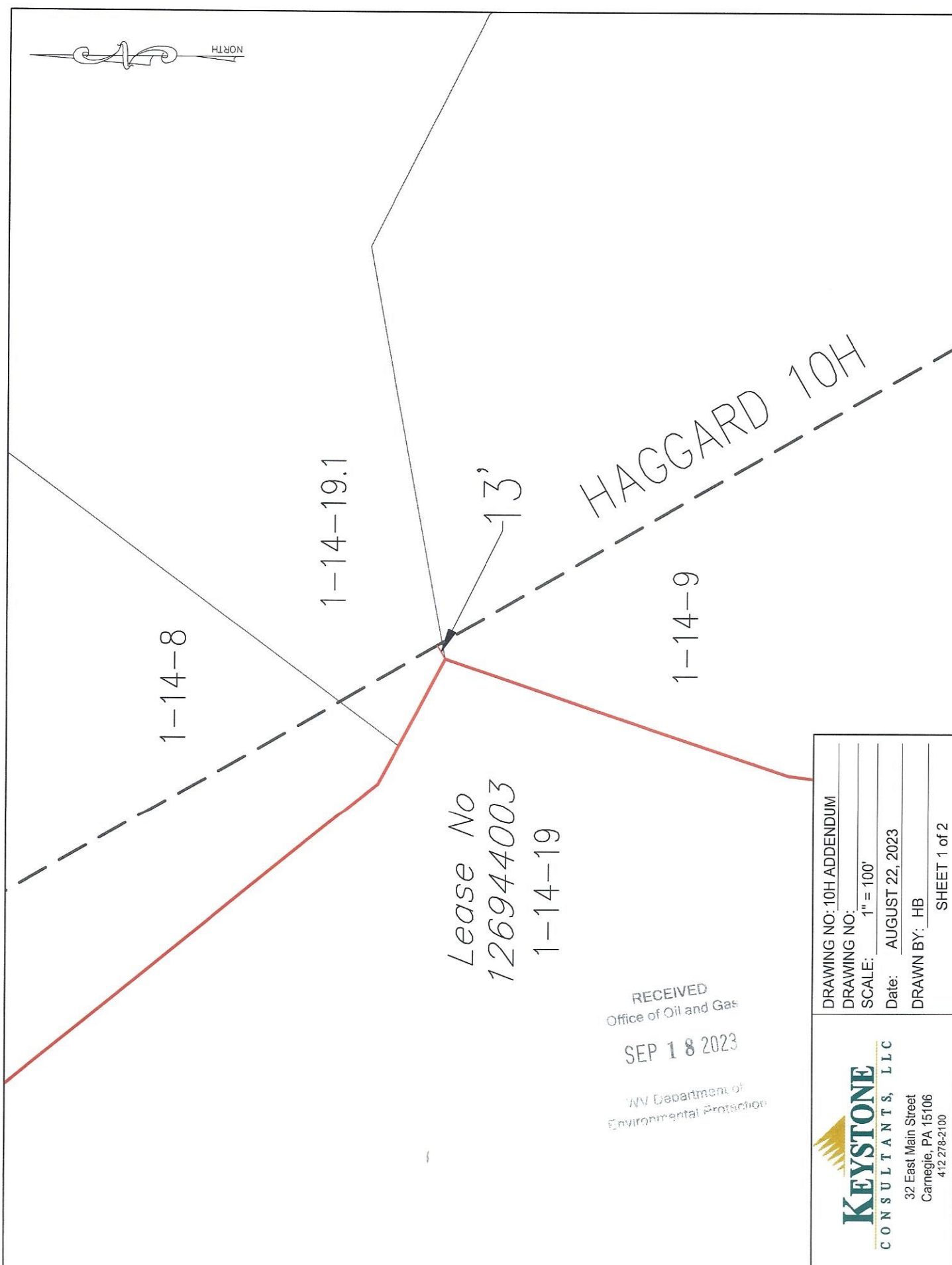
Enc.

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Lease No  
126944003  
1-14-19

HAGGARD 10H

1-14-8

1-14-19.1

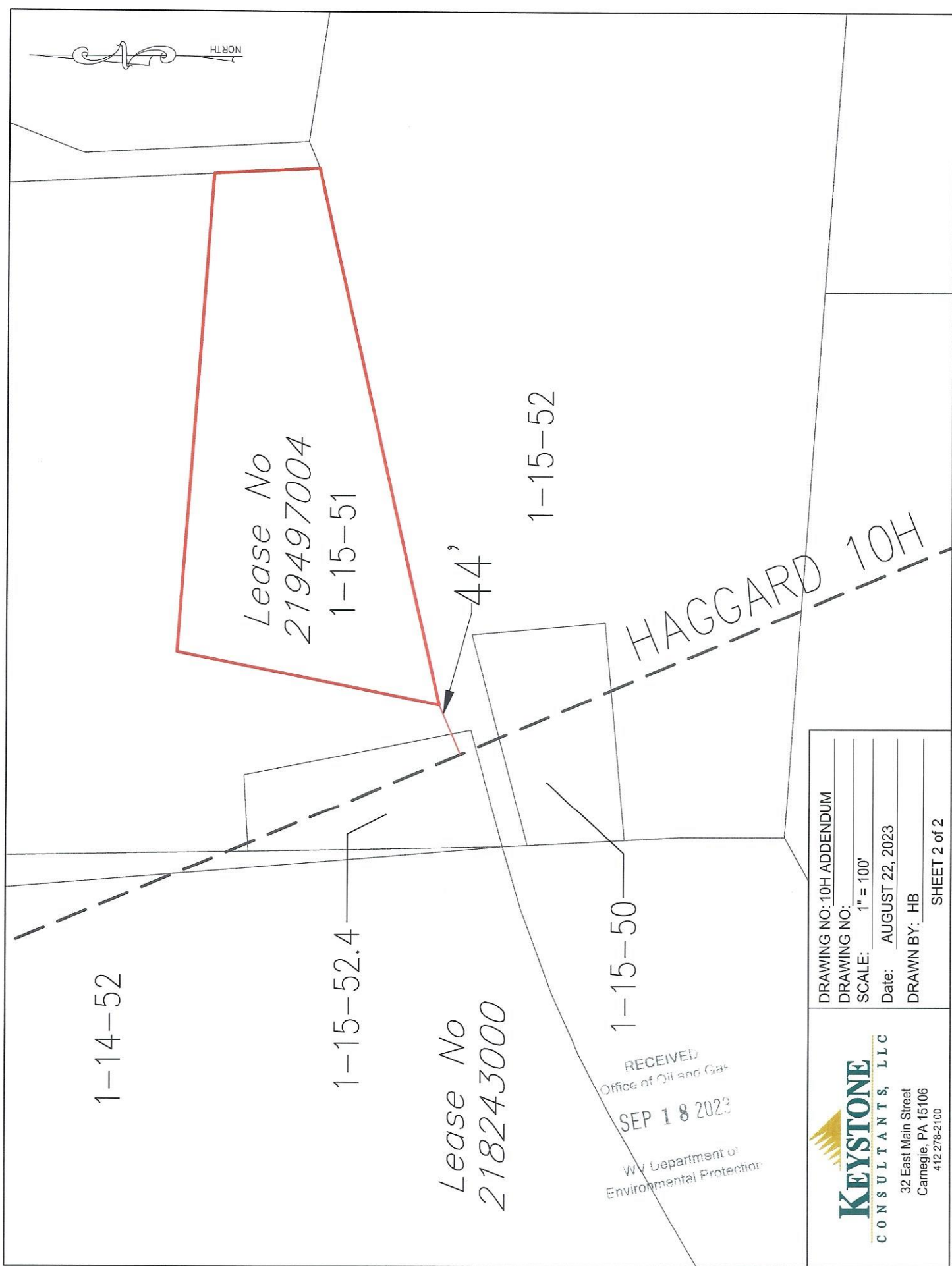
1-14-9

13'

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 32 East Main Street Carnegie, PA 15106 412 278-2100	DRAWING NO: 10H ADDENDUM
	DRAWING NO:
	SCALE: 1" = 100'
	Date: AUGUST 22, 2023
	DRAWN BY: HB
	SHEET 1 of 2

09/29/2023



1-14-52

Lease No  
219497004

1-15-51

Lease No  
218243000

1-15-52.4

1-15-52


1-15-50

HAGGARD 10H

44'



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 32 East Main Street Carnegie, PA 15106 412 278-2100	DRAWING NO: 10H ADDENDUM
	DRAWING NO:
	SCALE: 1" = 100'
	Date: AUGUST 22, 2023
	DRAWN BY: HB
	SHEET 2 of 2

09/29/2023

WW-6A1 attachment

Operator's Well No.

Haggard 10H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>126944003</u>	<u>Piney Holdings, Inc., et al.</u> Piney Holdings, Inc. Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Equinor USA Onshore Properties Inc.	61.25 ac	Antero Resources Corporation EQT Production Company SWN Production Company, LLC Equinor USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 189A/40 OG 231A/59 OG 272A/588 OG 324A/716
<u>219497004</u>	<u>James Lee Yoho, et al.</u> James Lee Yoho and Daisy Mae Yoho, husband and wife	0.580798 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 288A/644

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September 13, 2023

Via FedEx Overnight Delivery

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

RE: Horizontal Well Work Permit Application Modification – EXPEDITED REVIEW REQUESTED  
Haggard 10H  
Permit Number 47-103-03529  
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, including a 6A1 Addendum
- 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](mailto:jzavatchan@eqt.com)  
724-746-9073

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Ch # 598258  
2500<sup>00</sup>  
Ch # 599140  
5000<sup>00</sup>

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