



west virginia department of environmental protection

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

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

Wednesday, October 11, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODLIFF DR.

CANONSBURG, PA 15317

Re: Permit Modification Approval for HAGGARD 8H
47-103-03430-00-00

Lateral Extension

EQT PRODUCTION COMPANY

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

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

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

James A. Martin
Chief

Operator's Well Number: HAGGARD 4H
Farm Name: AMIE LEE HENDERSON
U.S. WELL NUMBER: 47-103-03430-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/11/2023

Promoting a healthy environment.

10/13/2023

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: 8H 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: 24,950'

11) Proposed Horizontal Leg Length: 16,818'

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	24950	24950	500' above intermediate casing ✓
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	0.312	1000	18	Class A/L	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A/L	1.04 - 1.20
Production	6	8 1/2	0.400	14580	11664 ✓	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

PACKERS

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Kind:				
Sizes:				
Depths Set:				

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

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

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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.

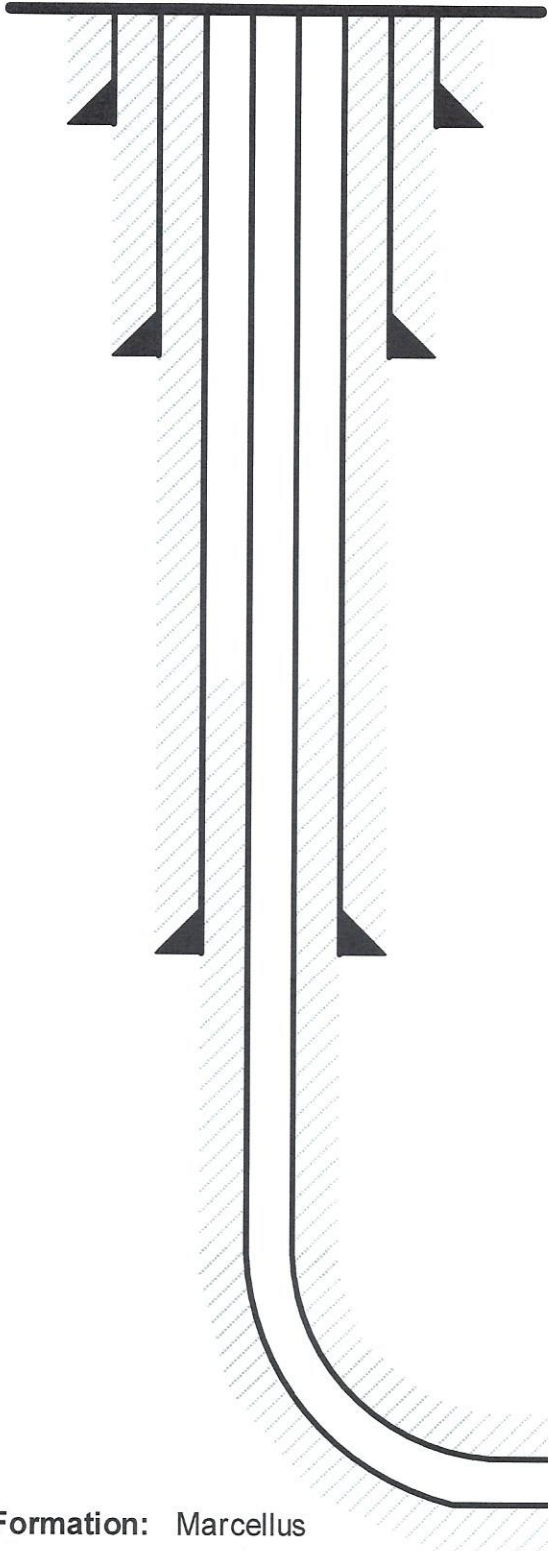
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: Haggard 8H
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

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Intermediate @ 2,909'
9-5/8", 36#, J-55, cement to surface w/ Class A/L

Production @ 24,950' 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 10:04:39 -04'00'

NOT TO SCALE

10/13/2023

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.

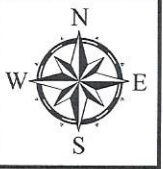
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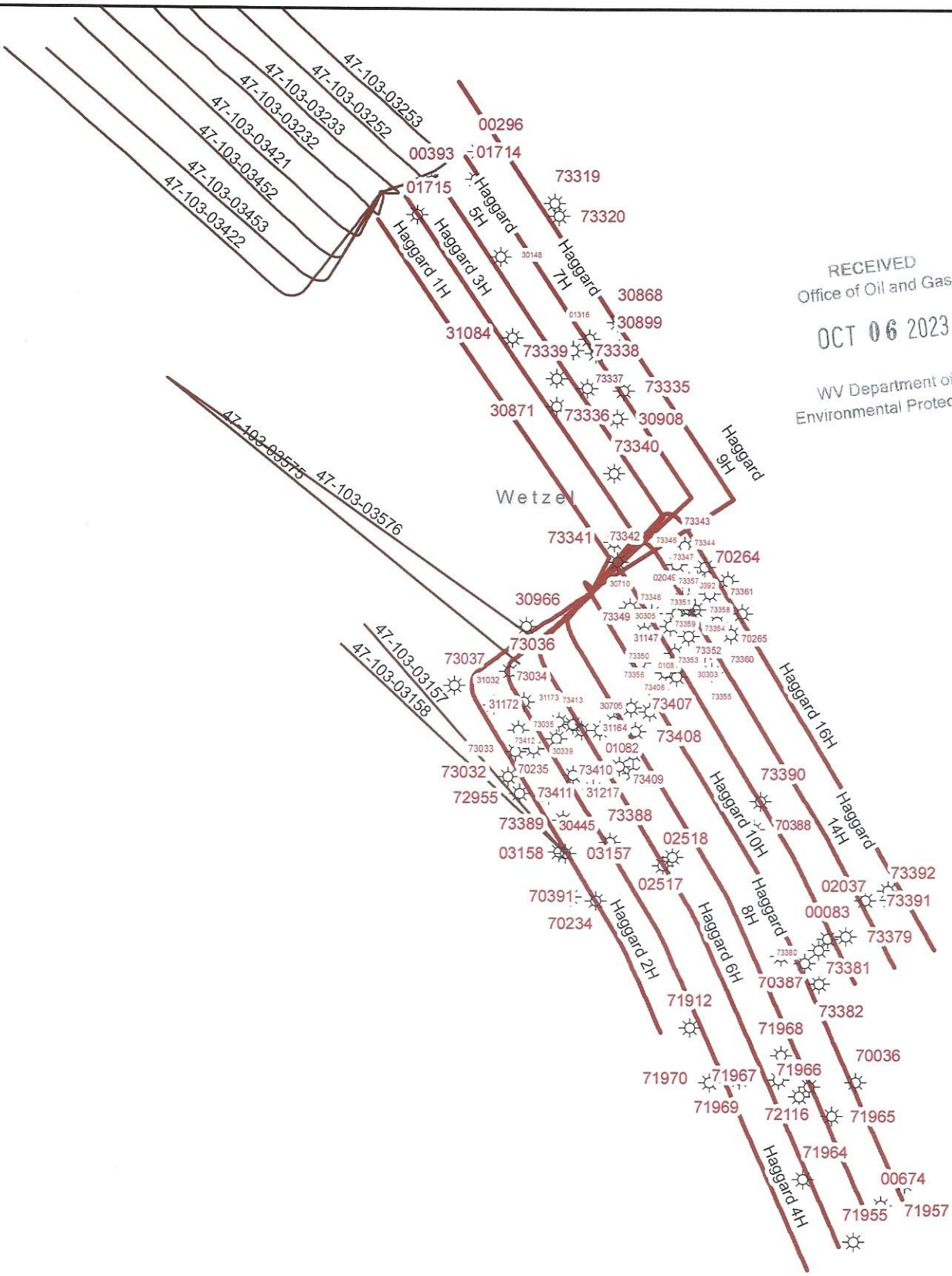
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EQT
EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

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.



Created By: Kelen Wattman Printed By: McClayO on 8/22/2023
Path: W:\01p.file core.windows.net\gis\users\olivia.hudgins\Vertical Offset\Foreign Well Working Map_update_v3.mxd

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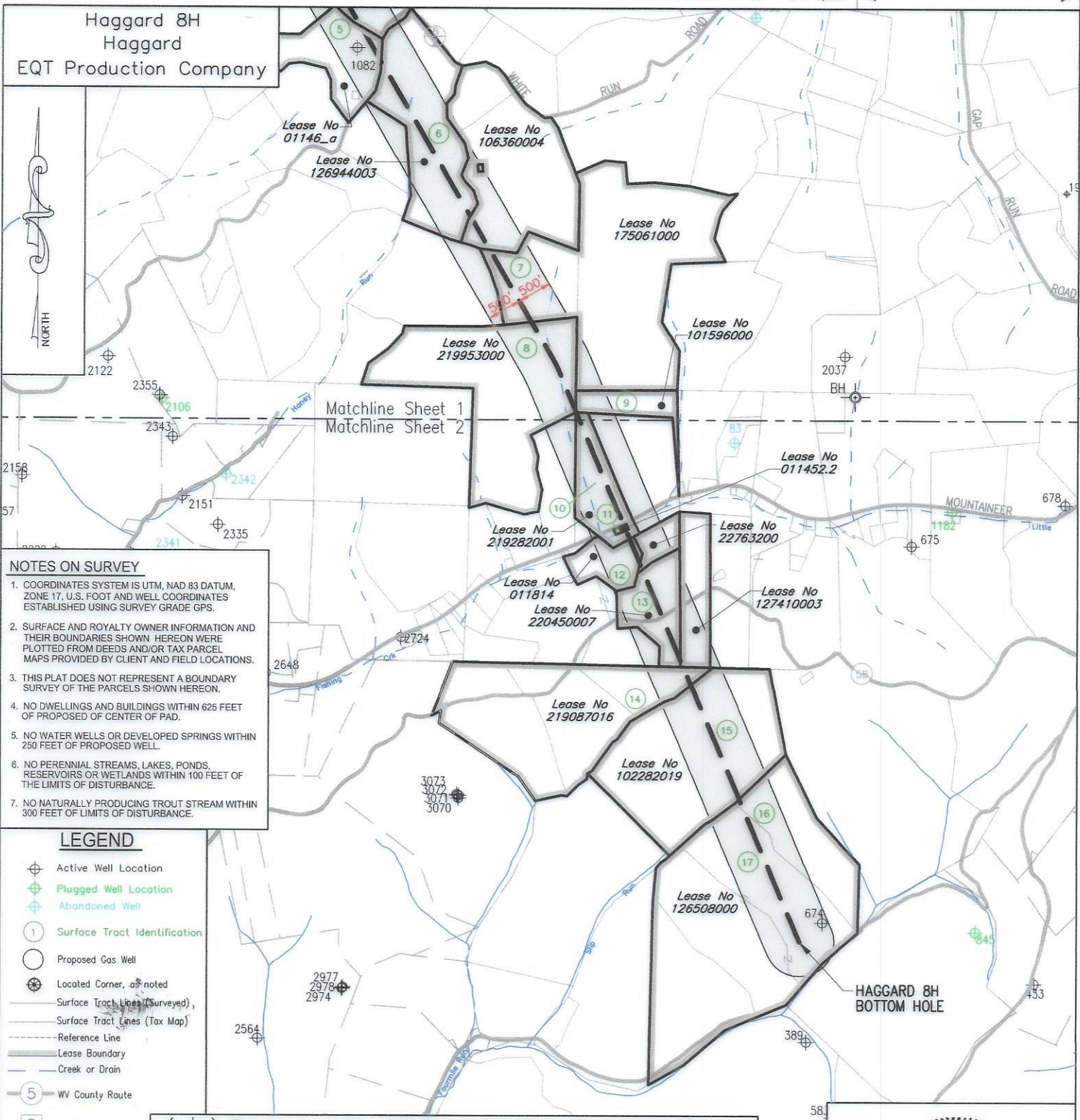
APL_UWI_Un	APL_UWI_12	ENVOperato	ENNVelSta	ENWWellTyp	InitialOpe	Latitude	Longitude	ElevationG	ElevationK	MD_FT	TVD_FT	WellName	WellsSymbol
71912	47-103-71912-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.623050	-80.611246	1003.00	0.00	0.00	0.00	0.00 STEPHEN DEAN	UNREPORTED-UNREPORTED
73337	47-103-73337-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.611928	-80.619928	1134.00	0.00	0.00	0.00	0.00 IN LEMASTERS	UNREPORTED-UNREPORTED
70391	47-103-70391-00	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTED	UNREPORTED	SOUTH PENN OIL (S. PENN NAT. GAS)	39.632236	-80.619801	1097.00	0.00	0.00	0.00	0.00 L V POSTLETHWAIT	UNREPORTED-UNREPORTED
73356	47-103-73356-00	(N/A)	UNREPORTED	UNREPORTED	W M BISSETT	39.648460	-80.613360	1399.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED
31173	47-103-31173-00	(N/A)	UNREPORTED	UNREPORTED	W M BISSETT	39.644996	-80.632383	1394.00	0.00	0.00	0.00	0.00 RICHARD POSTLEWAIT	UNREPORTED-UNREPORTED
73352	47-103-73352-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.649912	-80.612609	1284.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED
73319	47-103-73319-00	QUAKER STATE OIL REFINING CO.	UNREPORTED	UNREPORTED	(N/A)	39.681854	-80.626980	1448.00	0.00	0.00	0.00	0.00 F E MILLER	UNREPORTED-UNREPORTED
30899	47-103-30899-00	(N/A)	INACTIVE COMPLETED	OIL	QUAKER STATE OIL REFINING CO.	39.6771582	-80.617668	1251.00	0.00	0.00	3247.00	0.00 E L CARNEY 1	UNREPORTED-UNREPORTED
73342	47-103-73342-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.656443	-80.617864	1290.00	0.00	0.00	0.00	0.00 S C MILLER	UNREPORTED-UNREPORTED
31164	47-103-31164-00	QUAKER STATE OIL REFINING CO.	UNREPORTED	UNREPORTED	QUAKER STATE OIL REFINING CO.	39.667522	-80.623482	1178.00	0.00	0.00	0.00	0.00 W V TEAGARDEN	UNREPORTED-UNREPORTED
31147	47-103-31147-00	W M BISSETT	UNREPORTED	UNREPORTED	W M BISSETT	39.644416	-80.621720	1452.00	0.00	0.00	0.00	0.00 PETER POSTLEWAIT	UNREPORTED-UNREPORTED
73389	47-103-73389-00	(N/A)	UNREPORTED	UNREPORTED	QUAKER STATE OIL REFINING CO.	39.649202	-80.622932	1468.00	0.00	0.00	3407.00	0.00 P POSTLEWAIT	OIL & GAS-COMPLETED
71965	47-103-71965-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.638011	-80.598132	1394.00	0.00	0.00	0.00	0.00 F HENRY HEIRS	UNREPORTED-UNREPORTED
73392	47-103-73392-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.616664	-80.598132	1345.00	0.00	0.00	0.00	0.00 F HENRY HEIRS	UNREPORTED-UNREPORTED
73409	47-103-73409-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.632206	-80.592716	1225.00	0.00	0.00	0.00	0.00 W JACSON	UNREPORTED-UNREPORTED
73461	47-103-73461-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.642655	-80.616363	1318.00	0.00	0.00	0.00	0.00 B B POSTLEWAIT	UNREPORTED-UNREPORTED
30148	47-103-30148-00	(N/A)	UNREPORTED	UNREPORTED	QUAKER STATE OIL REFINING CO.	39.654121	-80.609418	1309.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED
01715	47-103-01715-00	DONALD DILLINGER	UNREPORTED	UNREPORTED	DONALD DILLINGER	39.678107	-80.628750	1332.00	0.00	3395.00	3392.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED
70235	47-103-70235-00	HORNER OIL AND GAS PRODUCTION, INC.	UNREPORTED	UNREPORTED	HORNER, CHARLES	39.681127	-80.636446	1380.00	1385.00	3401.00	3401.00	0.00 JOHN PYLES 1	GAS-UNREPORTED
01082	47-103-01082-00	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTED	UNREPORTED	SOUTH PENN OIL (S. PENN NAT. GAS)	39.659776	-80.624218	1188.00	0.00	3258.00	3258.00	0.00 R J POSTLEWAIT	OIL & GAS-PRODUCING
01714	47-103-01714-00	HORNER OIL AND GAS PRODUCTION, INC.	UNREPORTED	UNREPORTED	HORNER OIL AND GAS PRODUCTION, INC.	39.649777	-80.618240	1575.00	1584.00	3503.00	3503.00	0.00 T J POSTLEWAIT 2	OIL & GAS-PRODUCING
02049	47-103-02049-00	DIVERSIFIED ENERGY	UNREPORTED	UNREPORTED	HORNER, CHARLES	39.683595	-80.631002	1347.00	1356.00	3280.00	3280.00	0.00 Q. W. YEATER 1	OIL & GAS-PRODUCING
30908	47-103-30908-00	QUAKER STATE OIL REFINING CO.	UNREPORTED	UNREPORTED	QUAKER STATE OIL REFINING CO.	39.655138	-80.610544	1162.00	1171.00	3570.00	3570.00	0.00 MORRIS 1	GAS-PRODUCING
73355	47-103-73355-00	BP	UNREPORTED	UNREPORTED	DIVERSIFIED PRODUCTION	39.666603	-80.617853	1372.00	0.00	0.00	0.00	0.00 MORRIS 2	OIL-COMPLETED
30710	47-103-30710-00	(N/A)	UNREPORTED	UNREPORTED	HOPE NATURAL GAS COMPANY	39.648461	-80.616772	1328.00	0.00	0.00	0.00	0.00 PETER WHITE	UNREPORTED-UNREPORTED
73359	47-103-73359-00	(N/A)	UNREPORTED	UNREPORTED	RANDALL-ZOGG SUPPLY CO.	39.653117	-80.616772	1295.00	0.00	0.00	0.00	0.00 J C HORNER 1	UNREPORTED-UNREPORTED
30305	47-103-30305-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.652089	-80.608668	1291.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED
73358	47-103-73358-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.652682	-80.612407	1195.00	0.00	0.00	0.00	0.00 JENNIE MORRIS	UNREPORTED-UNREPORTED
73347	47-103-73347-00	(N/A)	UNREPORTED	UNREPORTED	CD CROUCH OIL CO	39.652960	-80.611295	1278.00	0.00	0.00	0.00	0.00 BERTHA MORRIS	UNREPORTED-UNREPORTED
70392	47-103-70392-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.654992	-80.611295	1196.00	0.00	0.00	0.00	0.00 WILLEY MORRIS	UNREPORTED-UNREPORTED
31172	47-103-31172-00	SOUTH PENN OIL (S. PENN NAT. GAS)	UNREPORTED	UNREPORTED	SOUTH PENN OIL (S. PENN NAT. GAS)	39.652972	-80.610718	1299.00	0.00	0.00	0.00	0.00 T J SHOWALTER	UNREPORTED-UNREPORTED
73391	47-103-73391-00	(N/A)	UNREPORTED	UNREPORTED	W M BISSETT	39.644416	-80.627034	1362.00	0.00	0.00	0.00	0.00 J M DULANEY	UNREPORTED-UNREPORTED
71966	47-103-71966-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.669517	-80.623493	1511.00	0.00	0.00	0.00	0.00 J GARRETT & C TAYLOR	UNREPORTED-UNREPORTED
00083	47-103-00083-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.618115	-80.611129	1216.00	0.00	0.00	0.00	0.00 W V TEAGARDEN	UNREPORTED-UNREPORTED
73406	47-103-73406-00	(N/A)	UNREPORTED	UNREPORTED	P J BLANK	39.629448	-80.598534	1307.00	1085.00	2984.00	2984.00	0.00 E HENRY HEIRS	UNREPORTED-UNREPORTED
73357	47-103-73357-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.656153	-80.612420	1249.00	0.00	0.00	0.00	0.00 WATER P & A	UNREPORTED-UNREPORTED
71970	47-103-71970-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.653250	-80.611295	1249.00	0.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTED-UNREPORTED
73348	47-103-73348-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.619132	-80.609372	1395.00	0.00	0.00	0.00	0.00 BERTHA MORRIS	UNREPORTED-UNREPORTED
73390	47-103-73390-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.653686	-80.611858	1172.00	0.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-UNREPORTED
73381	47-103-73381-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.639117	-80.604727	1544.00	0.00	0.00	0.00	0.00 ELIZABETH SOLE	UNREPORTED-UNREPORTED
72116	47-103-72116-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.627706	-80.600598	1032.00	0.00	0.00	0.00	0.00 A C WOOD	UNREPORTED-UNREPORTED
73343	47-103-73343-00	MANUFACTURERS LIGHT & HEAT CO	UNREPORTED	UNREPORTED	UNREPORTED	39.618841	-80.600193	1240.00	0.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTED-UNREPORTED
73410	47-103-73410-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.657460	-80.611670	1203.00	0.00	0.00	0.00	0.00 E HENRY	UNREPORTED-UNREPORTED
02518	47-103-02518-00	CWX	UNREPORTED	UNREPORTED	UNREPORTED	39.643499	-80.616362	1256.00	0.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTED-UNREPORTED
70036	47-103-70036-00	(N/A)	PERMIT CANCELLED	GAS	CWX GAS COMPANY	39.634695	-80.613742	1579.00	1519.00	0.00	0.00	0.00 T & S POSTLEWAIT	GAS-PERMIT CANCELLED
73408	47-103-73408-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.619137	-80.595894	1547.00	0.00	3392.00	3392.00	0.00 LEE, WILLIAM E. WZLOBA	UNREPORTED-UNREPORTED
73407	47-103-73407-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.642432	-80.616175	1358.00	0.00	0.00	0.00	0.00 FRANKLIN BLAKE	OIL-UNREPORTED
30445	47-103-30445-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.645993	-80.616550	1498.00	0.00	0.00	0.00	0.00 B B POSTLEWAIT	UNREPORTED-UNREPORTED
30339	47-103-30339-00	(N/A)	INACTIVE COMPLETED	OIL	SOUTH PENN OIL (S. PENN NAT. GAS)	39.635716	-80.623278	1345.00	0.00	0.00	0.00	0.00 M E POSTLEWAIT	UNREPORTED-UNREPORTED
70265	47-103-70265-00	(N/A)	INACTIVE COMPLETED	OIL & GAS	SOUTH PENN OIL (S. PENN NAT. GAS)	39.641226	-80.621968	1297.00	0.00	0.00	0.00	0.00 PETER POSTLEWAIT	OIL-INACTIVE COMPLETED
30868	47-103-30868-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.652692	-80.606404	1335.00	0.00	0.00	0.00	0.00 SUSANNA POSTLEWAIT 1	OIL & GAS-INACTIVE COMPLETED
72955	47-103-72955-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.673517	-80.617856	1091.00	0.00	0.00	0.00	0.00 CARNEY 4	UNREPORTED-COMPLETED
70264	47-103-70264-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.639897	-80.626876	1067.00	0.00	0.00	0.00	0.00 ELIZABETH DULANEY	OIL-INACTIVE COMPLETED
30966	47-103-30966-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.655002	-80.607718	1226.00	0.00	0.00	0.00	0.00 P R LIVINGSTON 2	UNREPORTED-COMPLETED
73354	47-103-73354-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.668646	-80.617300	1315.00	0.00	0.00	0.00	0.00 RENA CARNEY	UNREPORTED-UNREPORTED
71969	47-103-71969-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.649912	-80.609793	1461.00	0.00	0.00	0.00	0.00 BERTHA MORRIS	UNREPORTED-UNREPORTED
73380	47-103-73380-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.619276	-80.606563	1340.00	0.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-UNREPORTED
70234	47-103-70234-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.628577	-80.599285	1112.00	0.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTED-UNREPORTED
71964	47-103-71964-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.632526	-80.622151	1263.00	0.00	0.00	0.00	0.00 PETER POSTLEWAIT	UNREPORTED-UNREPORTED
70387	47-103-70387-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.612164	-80.600755	1185.00	0.00	0.00	0.00	0.00 JOHN INGRAHAM	UNREPORTED-UNREPORTED
73360	47-103-73360-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.628176	-80.602834	1185.00	0.00	0.00	0.00	0.00 GEORGE B POTTS	UNREPORTED-UNREPORTED
70388	47-103-70388-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.651218	-80.607353	1368.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED
73344	47-103-73344-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.637311	-80.605274	1518.00	0.00	0.00	0.00	0.00 S C MILLER	UNREPORTED-UNREPORTED
73351	47-103-73351-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.656008	-80.609794	1205.00	0.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTED-UNREPORTED
73382	47-103-73382-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.651799	-80.612984	1254.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED
01081	47-103-01081-00	HORNER OIL AND GAS PRODUCTION, INC.	UNREPORTED	UNREPORTED	UNREPORTED	39.626109	-80.599284	1229.00	1239.00	0.00	0.00	0.00	0.00
73350	47-103-73350-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.647299	-80.614111	1518.00	1527.00	3401.00	3401.00	0.00 POSTLEWAIT, B. B. 2	OIL-P & A
73083	47-103-73083-00	(N/A)	UNREPORTED	UNREPORTED	UNREPORTED	39.651363	-80.615424	1274.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	

Horizontal	API Well ID	ENVOperato	ENWWellSta	InitialType	Latitude	Longitude	ElevationG	ElevationK	MD_FT	TVD_FT	WellName	Wellsymbol
00674	47-103-00674-00	DIVERSIFIED ENERGY	(N/A)	GAS	DIVERSIFIED PRODUCTION	39.610278	-80.593637	1160.00	1169.00	2989.00	INGRAM, J. 646	GAS-P & A
73341	47-103-73341-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.657750	-80.618239	1467.00	0.00	0.00	0.00 S C MILLER	UNREPORTED-UNREPORTED
03157	47-103-03157-00	ANTERO RESOURCES	DRILLED	GAS	DAC ENERGY	39.635563	-80.622736	1421.00	1442.00	15928.00	0.00 POSTLETHWAIT 1M	GAS-DRILLED
73413	47-103-73413-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.644832	-80.612993	1498.00	0.00	0.00	0.00 T & S POSTLETHWAIT	UNREPORTED-UNREPORTED
31084	47-103-31084-00	R EVANS & GEORGE HIX	INACTIVE COMPLETED	OIL	R EVANS & GEORGE HIX	39.672337	-80.627013	1369.00	0.00	3125.00	3120.00 SMITH HEIRS	OIL-INACTIVE COMPLETED
71957	47-103-71957-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.611874	-80.627815	1309.00	0.00	0.00	0.00 OLLIE SIX	UNREPORTED-UNREPORTED
73036	47-103-73036-00	DIVERSIFIED ENERGY	UNREPORTED	GAS	DIVERSIFIED PRODUCTION	39.648605	-80.627815	1167.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
02037	47-103-02037-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.632932	-80.592903	1241.00	1250.00	3434.00	0.00 BRIGGS 1	GAS-P & A
71955	47-103-71955-00	ANTERO RESOURCES	DRILLED	GAS	DAC ENERGY	39.607666	-80.596071	1028.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
03158	47-103-03158-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.635576	-80.622684	1422.00	1443.00	16442.00	0.00 JOHN INGRAHAM	GAS-DRILLED
71967	47-103-71967-00	ANTERO RESOURCES	UNREPORTED	(N/A)	(N/A)	39.619277	-80.617655	1371.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-INACTIVE COMPLETED
31217	47-103-31217-00	CASSADY, WILLIAM	INACTIVE COMPLETED	UNREPORTED	CASSADY, WILLIAM	39.641806	-80.618616	1148.00	0.00	0.00	0.00 C W POSTLETHWAIT	UNREPORTED-INACTIVE COMPLETED
73388	47-103-73388-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.636414	-80.618616	1240.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
73034	47-103-73034-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.646429	-80.626500	1043.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
73349	47-103-73349-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.652670	-80.614673	1219.00	0.00	0.00	0.00 ELIZABETH SOLE	UNREPORTED-UNREPORTED
73320	47-103-73320-00	BP	UNREPORTED	(N/A)	(N/A)	39.680983	-80.623305	1337.00	0.00	0.00	0.00 F E MILLER	UNREPORTED-UNREPORTED
02517	47-103-02517-00	CNX	PERMIT CANCELLED	GAS	HOPE NATURAL GAS COMPANY	39.633279	-80.612758	1341.00	155.00	0.00	0.00 LEE, WILLIAM E. WZ106	GAS-PERMIT CANCELLED
71968	47-103-71968-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.621018	-80.602815	1301.00	0.00	0.00	0.00 F M BLAKE	UNREPORTED-UNREPORTED
73336	47-103-73336-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.608792	-80.620678	1232.00	0.00	0.00	0.00 J N LEMASTERS	UNREPORTED-UNREPORTED
73406	47-103-73406-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.645703	-80.614861	1473.00	0.00	0.00	0.00 J N LEMASTERS	UNREPORTED-UNREPORTED
30303	47-103-30303-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.648187	-80.612405	1295.00	0.00	0.00	0.00 B B POSTLETHWAIT	UNREPORTED-UNREPORTED
73037	47-103-73037-00	C D CROUCH GAS	UNREPORTED	(N/A)	(N/A)	39.647590	-80.632882	1091.00	0.00	0.00	0.00 JENNIE MORRIS	UNREPORTED-UNREPORTED
73411	47-103-73411-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.640187	-80.620117	1507.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
73340	47-103-73340-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.662684	-80.618238	1300.00	0.00	0.00	0.00 T & S POSTLETHWAIT	UNREPORTED-UNREPORTED
00393	47-103-00393-00	MANUFACTURERS LIGHT & HEAT CO	UNREPORTED	GAS	OPERATOR UNKNOWN	39.683549	-80.635080	1289.00	0.00	3260.00	0.00 SOLOMON MILLER	UNREPORTED-UNREPORTED
73338	47-103-73338-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.671549	-80.621992	1336.00	0.00	0.00	0.00 J N LEMASTERS	GAS-P & A
31032	47-103-31032-00	MOSES, WILLIAM	COMPLETED	OIL	MOSES, WILLIAM	39.646156	-80.629286	1139.00	0.00	0.00	2975.00 A G SIBELL 1	UNREPORTED-UNREPORTED
30705	47-103-30705-00	RANDALL-ZOGGS SUPPLY CO.	INACTIVE COMPLETED	OIL	RANDALL-ZOGGS SUPPLY CO.	39.644416	-80.619531	1392.00	0.00	0.00	3350.00 SUSAN POSTLETHWAITE 2	OIL-INACTIVE COMPLETED
73032	47-103-73032-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.641058	-80.628002	1127.00	0.00	0.00	0.00 MARY RICHTER	UNREPORTED-UNREPORTED
73035	47-103-73035-00	(N/A)	UNREPORTED	(N/A)	(N/A)	39.635563	-80.622736	1442.00	15928.00	0.00	0.00 A C YOHO	UNREPORTED-UNREPORTED

Horizontal	API Well ID	ENVOperato	ENWWellSta	InitialType	Latitude	Longitude	ElevationG	ElevationK	MD_FT	TVD_FT	WellName	Wellsymbol
47-103-03421-C	47-103-03421-C	SOUTHWESTERN ENER	ENEF PRODUCING	DRILLED	39.682691	-80.639657	1343.000000	1369.00	17325.000	7372.040	SWN A WTZ 1H	GAS-PRODUCING
47-103-03158-C	47-103-03158-C	ANTERO RESOURCES	DRILLED	DAC ENERGY	39.635576	-80.622684	1422.000000	1443.00	16142.000	0.000	ROCK CAMP 1M	GAS-DRILLED
47-103-03576-C	47-103-03576-C	SOUTHWESTERN ENER	DUIC	OTHER	39.669537	-80.659397	1583.000000	1604.00	0.000	0.000	WILLIAM RITCHEA WTZ 410H	OTHER-DUC
47-103-03233-C	47-103-03233-C	SOUTHWESTERN ENER	PRODUCING	SWN PROD	39.682664	-80.639608	1369.000000	1390.00	20865.000	7347.000	SWN A WTZ 5H	GAS-PRODUCING
47-103-03452-C	47-103-03452-C	SOUTHWESTERN ENER	PRODUCING	SWN PROD	39.682664	-80.639673	1343.000000	1369.00	16741.000	7366.650	SWN A WTZ 201H	GAS-PRODUCING
47-103-03252-C	47-103-03252-C	SOUTHWESTERN ENER	COMPLETED	SWN PROD	39.669541	-80.659651	1584.000000	1605.00	25772.000	7347.000	SWN A UD WTZ 305H	OIL & GAS-COMPLETED
47-103-03575-C	47-103-03575-C	SOUTHWESTERN ENER	DUIC	OTHER	39.682614	-80.659445	1584.000000	1605.00	0.000	0.000	WILLIAM RITCHEA WTZ 210H	OTHER-DUC
47-103-03422-C	47-103-03422-C	SOUTHWESTERN ENER	PRODUCING	SWN PROD	39.682614	-80.639703	1343.000000	1369.00	18930.000	7368.900	SWN A WTZ 601H	GAS-PRODUCING
47-103-03232-C	47-103-03232-C	SOUTHWESTERN ENER	PRODUCING	SWN PROD	39.682589	-80.639622	1342.000000	1368.00	18720.000	7374.760	SWN A WTZ 3H	GAS-PRODUCING
47-103-03453-C	47-103-03453-C	SOUTHWESTERN ENER	PRODUCING	SWN PROD	39.682641	-80.639687	1343.000000	1369.00	17178.000	7381.520	SWN A WTZ 401H	GAS-PRODUCING
47-103-03253-C	47-103-03253-C	SOUTHWESTERN ENER	PRODUCING	SWN PROD	39.682664	-80.639579	1344.000000	1368.00	25954.000	7359.410	SWN A WTZ 405H	GAS-PRODUCING
47-103-03157-C	47-103-03157-C	ANTERO RESOURCES	DRILLED	DAC ENERGY	39.635563	-80.622736	1421.000000	1442.00	15928.000	0.000	POSTLETHWAIT 1M	GAS-DRILLED

RECEIVED
Office of Oil and Gas
OCT 06 2023
WV Department of
Environmental Protection

10/13/2023



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

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

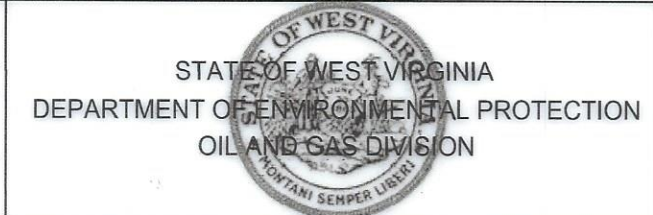


I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Department of Environmental Protection.

Thomas C. Smit
L. L. S. 687



FILE NO: W2175 (BK 59-37)
DRAWING NO:
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

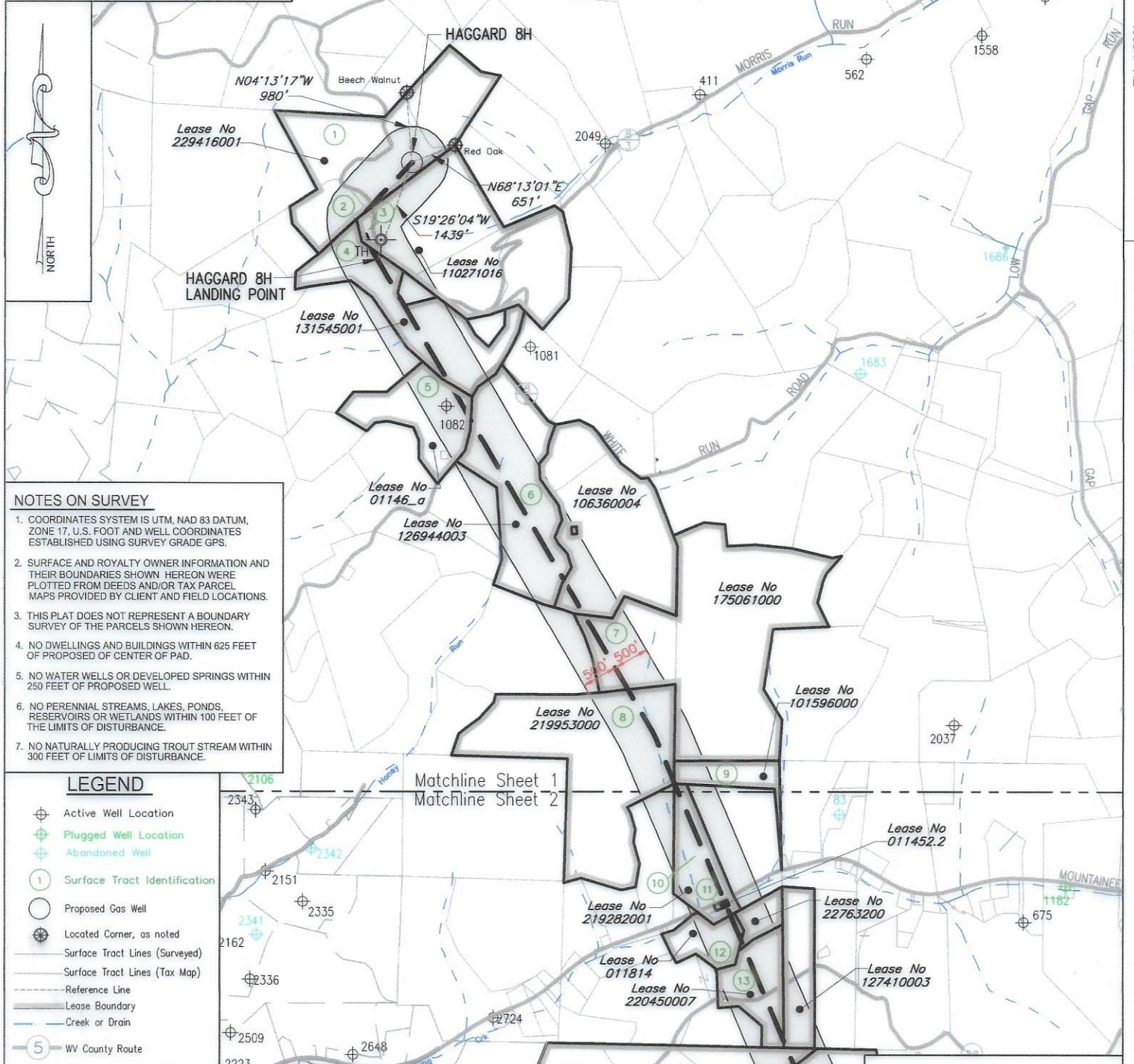


DATE: OCTOBER 03 20 23
OPERATORS WELL NO: Haggard 8H
API WELL NO: 47 - 103 - 03430
STATE COUNTY PERMIT

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: Wetzell
SURFACE OWNER: Amie Lee Henderson ACRE: 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 8H
Haggard
EQT Production Company



NOTES ON SURVEY

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3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
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5. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
6. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
7. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.

LEGEND

- Active Well Location
- Plugged Well Location
- Abandoned Well
- 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

Matchline Sheet 1
Matchline Sheet 2



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: W2175 (BK 59-37)
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

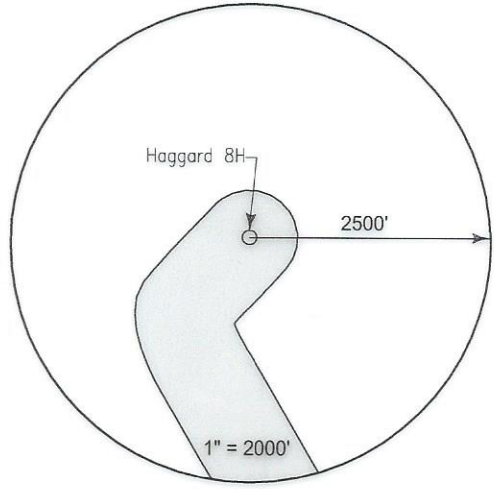


DATE: OCTOBER 03 20 23
OPERATORS WELL NO: Haggard 8H
API WELL NO
47 - 103 - 03430
STATE COUNTY PERMIT

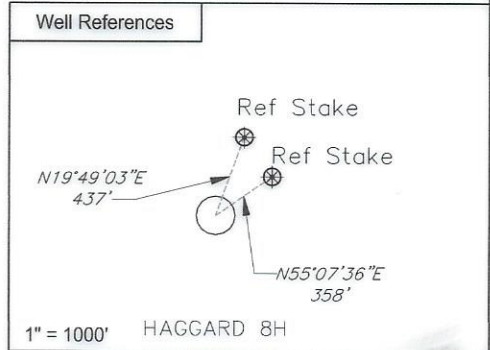
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION ELEVATION: 1519' WATERSHED: LOWER WEST VIRGINIA FORK FISH CREEK QUADRANGLE: LITTLETON
 DISTRICT: Center COUNTY: Wetzel
 SURFACE OWNER: Amie Lee Henderson ACREAGE: 84.94 ±
 ROYALTY OWNER: Blackrock 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 8H
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	37.0	Wetzel	Center	Amie Lee Henderson	14.50
3	10	38.1	Wetzel	Center	David A & Mary A. Morris	2.08
4	10	52.0	Wetzel	Center	John G. Miller ET AL	55.50
5	14	6.0	Wetzel	Center	John W. Furlong	29.70
6	14	19.0	Wetzel	Center	Bennett Eugene & Bradley Curtis Postlethwait	132.68
7	14	32.0	Wetzel	Center	Kenneth R. & Jennifer L. Mason	31.19
8	14	42.0	Wetzel	Center	The Morgan County Hunting Club, LLC	120.75
9	14	43.0	Wetzel	Center	Dennis L. Hickle ET AL	12.63
10	14	52.1	Wetzel	Center	Dennis L. Hickle ET AL	16.00
11	14	52.2	Wetzel	Center	Mickey R. & Debra Dulaney	0.38
12	18	14.0	Wetzel	Center	Evelyn M. Yoho	13.90
13	2	1.0	Wetzel	Center	George Yoho Hrs.	47.49
14	Unknown	Unknown	Wetzel	Center	Unknown	Unknown
15	2	4.0	Wetzel	Grant	John C. & Debbie D. Comer	104.00
16	3	5.0	Wetzel	Grant	Coastal Forest Resources Co.	179.00
17	3	13.0	Wetzel	Grant	Edward Lee Dulaney II	164.76



Lease	Owner	Acres
229416001	Blackrock Enterprises LLC, et al.	84.94 ac of 198.1275 ac
110271016	Vivian Rine, a/k/a Vivian L. Rine, et al.	95.7 ac
131545001	John G. Miller, et al.	55.495 ac
01146_a	Ralph E. Phillips, et al.	30 ac
126944003	Piney Holdings, Inc., et al.	61.25 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
219953000	Stone Hill Minerals Holdings LLC, et al.	120.75 ac of 811.96 ac
101596000	Piney Holdings, Inc., et al.	12.625 ac
219282001	Dennis L. Hickle, et al.	16.28 ac
011452.2	Mickey R. Dulaney and Debra Dulaney, JTWRORS	0.38 ac
011814	Thomas J. Jacoboni Revocable Living Trust dated May 15, 2018, et al.	14 ac
227632000	Rose Franz and his Unknown or Missing Heirs and Beneficiaries	7 ac
220450007	Kevin Dean Criswell, et al.	15.5 ac
127410003	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	23 ac
219087016	Stephen L. Moskal, et al.	104.54 ac
102282019	The Joseph F. Blake and Gay K. Blake Irrevocable Grantor Trust Dated May 30, 2013, et al.	104 ac
126508000	J&N Management Enterprises, LLC, et al.	332 ac

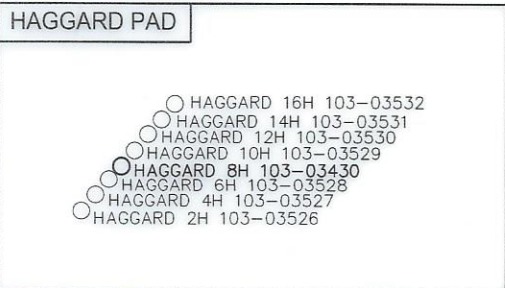


Notes:
HAGGARD 8H coordinates are
NAD 27 N: 422,366.002 E: 1,684,574.817
NAD 27 Lat: 39.654239 Long: -80.620300
NAD 83 UTM N: 4,389,460.196 E: 532,590.256

HAGGARD 8H Landing Point coordinates are
NAD 27 N: 421,008.787 E: 1,684,096.008
NAD 27 Lat: 39.650496 Long: -80.621940
NAD 83 UTM N: 4,389,044.266 E: 532,451.269

HAGGARD 8H Bottom Hole coordinates are
NAD 27 N: 405,950.064 E: 1,691,508.195
NAD 27 Lat: 39.609407 Long: -80.594966
NAD 83 UTM N: 4,384,494.226 E: 534,785.924

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.

Thomas C. Smit
L. L. S. 687



FILE NO: W2192 (BK 65-61)
DRAWING NO:
SCALE: 1" = 1000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station



DATE: OCTOBER 03 20 23
OPERATORS WELL NO: Haggard 8H
API WELL NO: 47 - 103 - 03430
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: 45.51
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

10/13/2023

**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

WW-6A1 attachment

Operator's Well No.

Haggard 8H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>229416001</u>	Blackrock Enterprises LLC, et al. 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>	Vivian Rine, aka Vivian L. Rine, et al. 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>131545001</u>	John G. Miller, et al. John G. Miller, married man dealing in his sole and separate property	55.495 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 192A/811

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✓ <u>01146_a</u>	Ralph E. Phillips, et al. T. J. J. Postlethwait and Belle Postlethwait, his wife South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC Devon Energy Production Company, LP East Resources, Inc. East Resources, Inc. HG Energy, LLC American Energy-Marcellus, LLC Ascent Resources-Marcellus, LLC Tribune Resources, LLC Antero Resources Corporation SWN Production Company, LLC Equinor USA Onshore Properties, Inc. Antero Resources Corporation	30 ac	South Penn Oil Company South Penn Natural Gas Company South Penn Oil Company Pennzoil Company Pennzoil United, Inc. Pennzoil Company Pennzoil Products Company Pennzoil Products Company Pennzoil Exploration and Production Company Pennzenergy Exploration and Production, LLC Devon Energy Production Company, LP East Resources, Inc. HG Energy, LLC American Energy-Marcellus, LLC Ascent Resources-Marcellus, LLC Tribune Resources, LLC Antero Resources Corporation SWN Production Company, LLC Equinor USA Onshore Properties, Inc. EQT Production Company EQT Production Company	DB 83/65 OG 33A/455 DB 215/478 WV SOS DB 246/491 WV SOS DB 319/397 DB 322/577 DB 363/384 Corp. Book 12/177 Corp. Book 12/278 DB 370/580 OG 118A/253 OG 153A/238 MB 114/619 Corp. Book 13/421 OG 219A/322 OG 272A/588 OG 324A/716 OG 338A/844	"at least 1/8th per WV Code 22-6-8"
✓ <u>126944003</u>	Piney Holdings, Inc., et al. Piney Holdings, Inc. Antero Resources Corporation Antero Resources Corporation SWN Production Company, LLC Equinor USA Onshore Properties Inc. Antero Resources Corporation	61.25 ac	Antero Resources Corporation EQT Production Company SWN Production Company, LLC Equinor USA Onshore Properties Inc. EQT Production Company EQT Production Company	OG 189A/40 OG 231A/59 OG 272A/588 OG 324A/716 OG 338A/844	"at least 1/8th per WV Code 22-6-8"
✓ <u>106360004</u>	Shiben Estates, Inc., et al. Shiben Estates, Inc. Antero Resources Corporation	80 ac	Antero Resources Corporation EQT Production Company	OG 174A/607 OG 231A/59	"at least 1/8th per WV Code 22-6-8"

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<u>175061000</u>	<u>OXY USA, Inc., et al.</u>	31.19 ac and 144 ac of 31,151.581 ac	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. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC 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 Exchange Properties, LLC Antero Resources Corporation Antero Resources Corporation EQT Production Company	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 Exchange Properties, LLC Antero Resources Corporation EQT Production Company	OG 102A/505 OG 103A/320 OG 103A/470 OG 120A/109 OG 157A/540 OG 158A/801 Corp. Book 13/296 OG 177A/533 OG 177A/738 Corp. Book 13/311 OG 231A/22	"at least 1/8th per WV Code 22-6-8"
<u>219953000</u>	<u>Stone Hill Minerals Holdings LLC, et al.</u>	120.75 ac of 811.96ac	Stone Hill Minerals Holdings LLC TH Exploration LLC	TH Exploration LLC EQT Production Company	OG 272A/148 OG 289A/811	"at least 1/8th per WV Code 22-6-8"
<u>101596000</u>	<u>Piney Holdings, Inc., et al.</u>	2,625 ac	Piney Holdings, Inc. Antero Resources Corporation	Antero Resources Corporation EQT Production Company	OG 194A/466 OG 231A/59	"at least 1/8th per WV Code 22-6-8"
<u>219282001</u>	<u>Dennis L. Hickle, et al.</u>	16.28 ac	Dennis L. Hickle, married dealing in his sole and separate property	EQT Production Company	OG 287A/759	"at least 1/8th per WV Code 22-6-8"
<u>011452.2</u>	<u>Mickey R. Dulaney and Debra Dulaney, JTWROS</u>	0.38 ac	Mickey R. Dulaney and Debra S. Dulaney, husband and wife	EQT Production Company	OG 342A/460	"at least 1/8th per WV Code 22-6-8"

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<u>/011814</u>	<u>Thomas J. Iacoboni Revocable Living Trust dated May 15, 2018, et al.</u> Thomas J. Iacoboni Revocable Living Trust dated May 15, 2018,	14 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8" Oil and Gas Lease (Paid-Up) dated September 20, 2023
<u>/227632000</u>	<u>Rose Franz and his Unknown or Missing Heirs and Beneficiaries</u> Timothy Linkous, Esq., as Special Commissioner, on behalf of Rose Franz and his Unknown or Missing Heirs and Beneficiaries, pursuant to Order of the Wetzel County Circuit Court in Civil Action No. 22-P-22	7 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"
<u>/220450007</u>	<u>Kevin Dean Criswell, et al.</u> Kevin Dean Criswell, a widower	15.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8" OG 322A/250
<u>/127410003</u>	<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	23 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8" OG 219A/938 OG 269A/533
<u>/219087016</u>	<u>Stephen L. Moskal, et al.</u> Stephen L. Moskal, a married man dealing in his sole and separate property	104.54 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8" OG 324A/532
<u>/102282019</u>	<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	104 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8" OG 219A/935 OG 324A/748

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"at least 1/8th per
WV Code 22-6-8"

126508000

J&N Management Enterprises, LLC, et al.

John Ingram	332 ac	South Penn Oil Company	DB 46/228
South Penn Oil Company		Hope Natural Gas Company	DB 91/468
Hope Natural Gas Company		Consolidated Gas Supply Corporation	DB 233/387
Consolidated Gas Supply Corporation		Consolidated Gas Transmission Corporation	OG 66A/69
Consolidated Gas Transmission Corporation		CNG Transmission Corporation	Corp. Book 13/151
CNG Transmission Corporation		Eastern States Oil & Gas, Inc.	OG 76A/232
Eastern States Oil & Gas, Inc.		Blazer Energy Corp.	Corp. Book 12/253
Blazer Energy Corp.		Eastern States Oil & Gas, Inc.	Corp. Book 12/259
Eastern States Oil & Gas, Inc.		Equitable Production-Eastern States, Inc.	WV SOS
Equitable Production-Eastern States, Inc.		Appalachian Natural Gas Trust	OG 79A/244
Equitable Production-Eastern States, Inc.		Equitable Production Company	WV SOS
Equitable Production Company		EQT Production Company	Corp. Book 13/14
Appalachian Natural Gas Trust		EQT Production Company	Misc. Book 96/605

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October 5, 2023

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

Re: Haggard 8H 6A1 Addendum

Dear Mr. Brewer,

This letter and supporting documentation serve as EQT Production Company's addendum to the WV-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 'John Zavatchan'.

John Zavatchan
Project Specialist - Permitting

Enc.

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Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
✓ <u>131545002</u>	John G. Miller, et al. John G. Miller, married man dealing in his sole and separate property	3.025 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 192A/813
✓ <u>220339004</u>	EQT Production Company, et al. Theodore A. Brookover and Linda M. Brookover	24.125 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DB 498/850

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1-14-43

1-10-52

HAGGARD 8H

1-14-52.1
Lease No
219282001

5'

1-18-11
Lease No
220339004

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DRAWING NO: 8H ADDENDUM

DRAWING NO:

SCALE: 1" = 100'

Date: AUGUST 24, 2023

DRAWN BY: HB

SHEET 2 OF 2



32 East Main Street
Carnegie, PA 15106
412.278-2100

10/13/2023



1-10-52.2
Lease No
131545002

22'

HAGGARD 8H

9'

1-10-52
Lease No
131545001

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DRAWING NO: 8H ADDENDUM
DRAWING NO:
SCALE: 1" = 100'
Date: AUGUST 24, 2023
DRAWN BY: HB
SHEET 1 of 2

KEYSTONE
CONSULTANTS, LLC
32 East Main Street
Carnegie, PA 15106
412 278-2100

10/13/2023

OIL AND GAS LEASE (PAID-UP)

This Lease Agreement (this "Agreement") made the 20th day of September, 2023 ("Effective Date") between Thomas J. Jacoboni, Trustee of the Thomas J. Jacoboni Revocable Living Trust dated May 15, 2018, whose address is 15635 Yeoho Road, Sparks MD 21152 ("Lessor"), and EQT Production Company, a Pennsylvania corporation, with an office at 625 Liberty Avenue, Suite 1700, Pittsburgh, PA 15222 ("Lessee").

WITNESSETH: In consideration of \$1.00 paid by Lessee, and other good and valuable consideration, receipt of which is acknowledged, Lessor leases and lets exclusively to Lessee, all of the Leased Premises (as defined below) and all oil and Gas therein, thereon, and thereunder, for the purpose of, and with the exclusive rights of exploring for, operating for, transporting, producing and marketing oil and Gas, using all current and future methods; "Gas" as the term is used in this Agreement includes but is not limited to all gaseous (including but not limited to natural gas and coalbed methane) and liquid hydrocarbons and non-hydrocarbons emitted by, contained in, entrained in, or associated with any formation or strata (including but not limited to rocks, gob areas, mined-out areas, coal seams, and communicating zones), and their liquid or gaseous constituents (whether hydrocarbon or non-hydrocarbon), and all products related thereto or derived therefrom. Lessee shall also have exclusive rights (1) to inject, store, protect, and withdraw stored Gas on the Leased Premises and lands in the vicinity thereof; (2) to drill and operate water, disposal, or injection wells; (3) to conduct geological/geophysical/seismic activities; (4) to stimulate or fracture all coals or other strata or formations; (5) of ingress, egress and regress over, under, through, on and across the Leased Premises for any purpose and to and from any other land; (6) of perpetual easements that survive the expiration of this Agreement, and ingress, egress and regress thereto, to lay, construct, use, maintain, operate, change, replace, and remove pipelines, powerlines, roads, waterlines, telecommunication lines, tanks, ponds, pits, power stations, structures, facilities, improvements, compression equipment, meters, houses and buildings (collectively, "improvements"); (7) to remove any property or improvements which Lessee may operate or place on the Leased Premises; (8) to plug, abandon or sell any wells or improvements; (9) to use the improvements or the Leased Premises for the transportation, production, and development of oil and Gas wherever produced or located; (10) all other rights and privileges necessary or convenient for Lessee's operation of the Leased Premises or any other lands; and (11) to use free of charge for the above purposes - oil, Gas and water, on or from the Leased Premises. Lessor agrees that no part of the Leased Premises shall be leased, let, granted, or licensed by Lessor to any other party for the location, construction or maintenance of structures, tanks, pits, reservoirs, equipment and/or machinery for the purpose of exploring, developing, or operating adjacent lands for oil and gas during the term of this Agreement. There are no implied covenants or duties hereunder.

Description of Leased Premises. The land (the "Leased Premises") leased herein is located in Center District, Wetzel County, West Virginia, including that certain real property described in Deed Book 194, Page 361 and being the tract(s) described in the aforesaid deed containing (14.00) acres, more or less, and conveyed to Lessor by Thomas J. Jacoboni, dated October 18, 2018, recorded in Deed Book 468, Page 484, in the Office of the Clerk of the County Commission of the aforesaid County.

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Tax Map Number(s): 01-18-14

OCT 06 2023

1. Term. TO HAVE AND TO HOLD the Leased Premises and rights and interests shall remain in force for a primary term of Five (5) years from 20th day of September, 2023, being the Effective Date ("Primary Term"), and for as long thereafter (the "Secondary Term") as the Leased Premises or lands pooled or unitized therewith are (i) operated in the search for, drilling for, or production of oil or Gas (which shall be construed for the purposes of this Agreement to mean any activity reasonably necessary to prepare the location for drilling (including but not limited to preparing the well pad, access road, and other facilities), drilling, testing, stimulating, completing, venting, reworking, deepening, dewatering, recompleting, constructing facilities related to the production, treatment, or transportation of Gas, and constructing facilities related to water disposal), or (ii) used for underground storage of Gas or the protection of stored Gas (on or in the vicinity of the Leased Premises) or its constituents, or (iii) this Agreement is extended pursuant to any other provision herein. Lessee may at its option, extend the Primary Term before it expires, for an additional five (5) years by making to Lessor a payment per net mineral acre leased herein that is equal to the payment per net mineral acre paid by Lessee for the initial execution of this Agreement. The Primary Term shall be extended during the pendency of any lawsuit brought by Lessor seeking (i) an injunction preventing Lessee from exploring for, drilling, or producing oil and Gas or (ii) a declaration that the Agreement is terminated, void, or voidable. After this Agreement's expiration, Lessee at its option may use the Leased Premises as necessary or convenient to plug any wells previously operated thereon or remove any facilities. If the last producing well on the Leased Premises or on lands pooled or unitized therewith is plugged and abandoned after the Primary Term or any extension thereof, and this Agreement is not being otherwise maintained, prolonged or extended pursuant to the provisions contained herein, the Agreement will not

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Environmental Protection

the operations or obligations of Lessee hereunder. The specific enumeration of force majeure causes herein shall not exclude other causes from consideration in determining whether Lessee has exercised reasonable diligence to fulfill its obligations under this Agreement.

d. Entire Agreement. This Agreement embraces the entire understanding between the parties. If any provision is held invalid or unenforceable, the other provisions will remain in effect.

e. Assignment. If this Agreement is assigned in whole or in part by Lessee: (i) all of Lessee's liabilities and obligations as to the part assigned shall terminate entirely, and (ii) any default of an assignee shall not be deemed a default of the part of the Agreement not assigned.

f. Recordation. Lessor shall not record this Agreement and the terms of this Agreement shall be held as confidential by Lessor. Lessor shall execute a memorandum hereof at Lessee's request.

g. Counterparts. This Agreement may be executed in multiple counterparts, each will be deemed to be an original and all of which will be comprise one single agreement.

h. Top Leasing. If Lessor receives an acceptable written bona fide offer to enter into an additional lease (a "top lease") covering any part of the Leased Premises, Lessee shall have a right of first refusal to acquire a top lease on comparable terms. Any top lease executed by Lessor shall be subordinate to this Agreement, shall not begin until after the expiration of this Agreement, and shall not restrict Lessor and Lessee from modifying or extending this Agreement at any time. Any top lease granted in violation of this provision shall be null and void.

i. Documentation Required. Lessor agrees to provide and/or execute any and all reasonably necessary documents including but not limited to affidavits, ratifications, amendments, permits and other instruments as may be necessary for the operations contemplated herein.


j. Mother Hubbard. Notwithstanding any particular legal description for the Leased Premises, it is nevertheless the intention of the Lessor to include within this Agreement, and he or she does hereby lease and let, not only the land so described above as the Leased Premises, including any interests therein that may hereinafter be acquired by Lessor, but also any and all other land owned or claimed by Lessor(s) that is adjacent or adjoining to the Leased Premises. If Lessee applies this Mother Hubbard provision, then Lessee shall pay bonus and/or rental payments applicable to the additional acreage (if any) to Lessor based upon the agreed net mineral acre price associated with this Agreement and any unrecorded Order of Payment.

k. Warranty of Non-Production and Non-Payment. Lessor hereby warrants that Lessor is not receiving bonus payment, rental payment or production royalty as the result of any prior oil and/or Gas lease or storage lease covering any or all of the Leased Premises, and there are no commercially producing wells currently existing on the Leased Premises, or upon other Lands within the boundaries of a drilling or production unit containing all or a part of the Leased Premises.

l. Addendum. This Agreement contains additional terms and provisions shown in the Addendum attached hereto. Should there be any conflict between the terms and provisions of the Addendum and the Agreement, the terms and provisions of the Addendum shall prevail.

IN TESTIMONY WHEREOF, the parties executed this Agreement as of the date first written above.

LESSOR:
Thomas J. Jacoboni, Trustee of the
Thomas J. Jacoboni Revocable
Living Trust


Thomas J. Jacoboni - Trustee

LESSEE:
EQT PRODUCTION COMPANY


By: Corey C. Peck
Its: Authorized Agent

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10/13/2023

STATE OF Maryland ;
COUNTY OF Baltimore :

I, May Catherine Peck, a Notary Public in and for said County and State, certify that Shane J. Fawcett personally known to me to be the same person who signed above, appeared before me today in said State and County, and acknowledged and delivered the instrument to be their free act and deed. Given under my hand this 20th day of Sept, 20 23. My commission expires Sept 25 2024

[SEAL]

May Catherine Peck
Notary Public

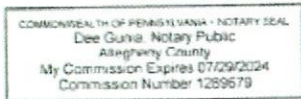


COMMONWEALTH OF PENNSYLVANIA:
COUNTY OF Washington :

I, Dee Gunia, a Notary Public in and for said County and Commonwealth, certify that Corey C. Peck the Authorized Agent of EQT Production Company, personally known to me to be the same person who signed above, appeared before me today in said Commonwealth and County, and acknowledged and delivered the instrument to be their free act and deed, on behalf of said company. Given under my hand this 26 day of September, 20 23. My commission expires 7/29/2024

[SEAL]

Dee Gunia
Notary Public



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October 5, 2023

Via FedEx Overnight Delivery

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

OK # 598257
2500.00
OK # 599139
5000.00

RE: Horizontal Well Work Permit Application Modification – EXPEDITED REVIEW REQUESTED
Haggard 8H
Permit Number 47-103-03430
Center District, Wetzel County, WV

WVDEP Recipient,

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

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

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

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

Best Regards,

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

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