



west virginia department of environmental protection

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

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

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

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for Haggard 14 H
47-103-03531-00-00

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, Chief, is written over the name and title.

James A. Martin
Chief

Operator's Well Number: Haggard 14 H
Farm Name: Amie Lee Henderson
U.S. WELL NUMBER: 47-103-03531-00-00
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: 14H Well Pad Name: Haggard

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

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

5) Well Type (a) Gas Oil _____ Underground Storage _____
Other _____

(b) If Gas Shallow Deep _____
Horizontal

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7,600', 47', 2,620 psi

8) Proposed Total Vertical Depth: 7,600'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 20,759'

11) Proposed Horizontal Leg Length: 12,335'

12) Approximate Fresh Water Strata Depths: 465'

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

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

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

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

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

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

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Stephen Mccoy
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09/29/2023

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A252 GR3	85.6	68	68 ✓	50 ft^3 / CTS ✓
Fresh Water	13 3/8	New	J-55	54.5	1492	1492 ✓	1325 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2909	2909 ✓	1100 ft^3 / CTS
Production	6	New	P-110	24	20759	20759 ✓	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

09/29/2023

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

This well has been drilled to an MD of 7,252' 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.

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

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

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25) Proposed borehole conditioning procedures:

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

*Note: Attach additional sheets as needed.

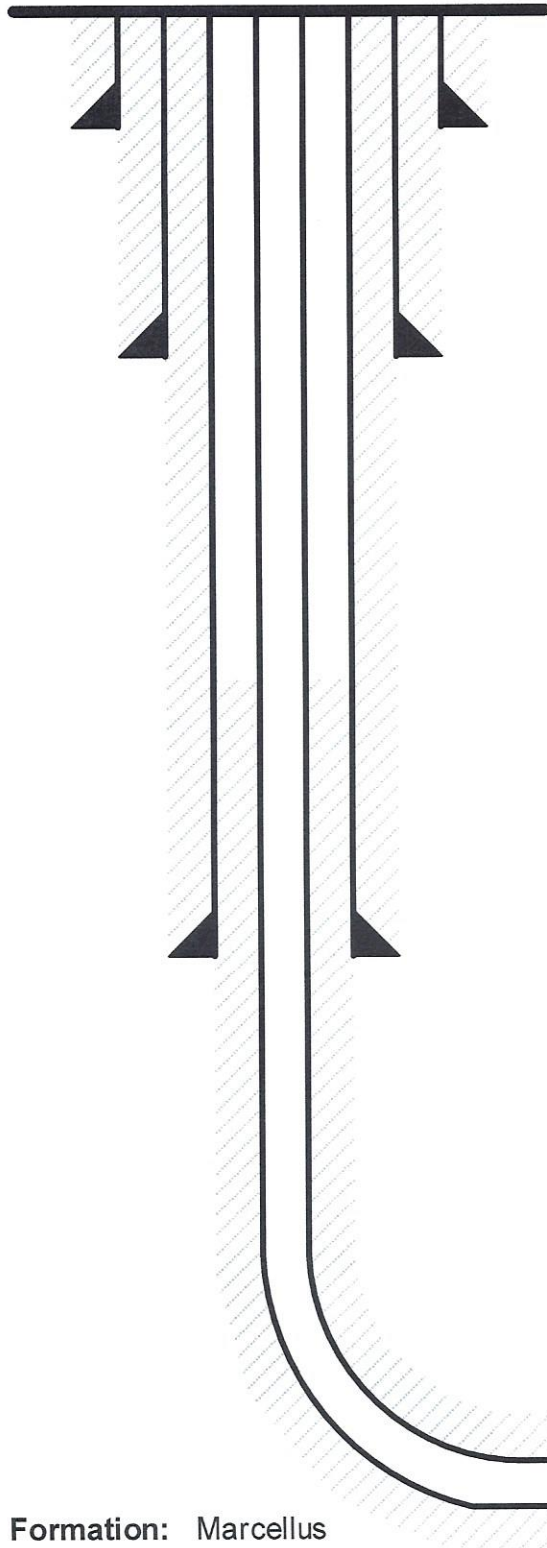
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EQT Production

Wellbore Diagram

Well: Haggard 14H
Pad: Haggard
Elevation: 1519' GL 1547' KB

County: Wetzel
State: West Virginia



Conductor @ 68'

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

Surface @ 1,492'

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

Intermediate @ 2,909'

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

Production @ 20,759' MD / 7,600' TVD

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

Formation: Marcellus

Stephen
Mccoy

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Stephen Mccoy
Date: 2023.09.08 10:05:58
-04'00'

NOT TO SCALE

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

September 13, 2023

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SEP 18 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.

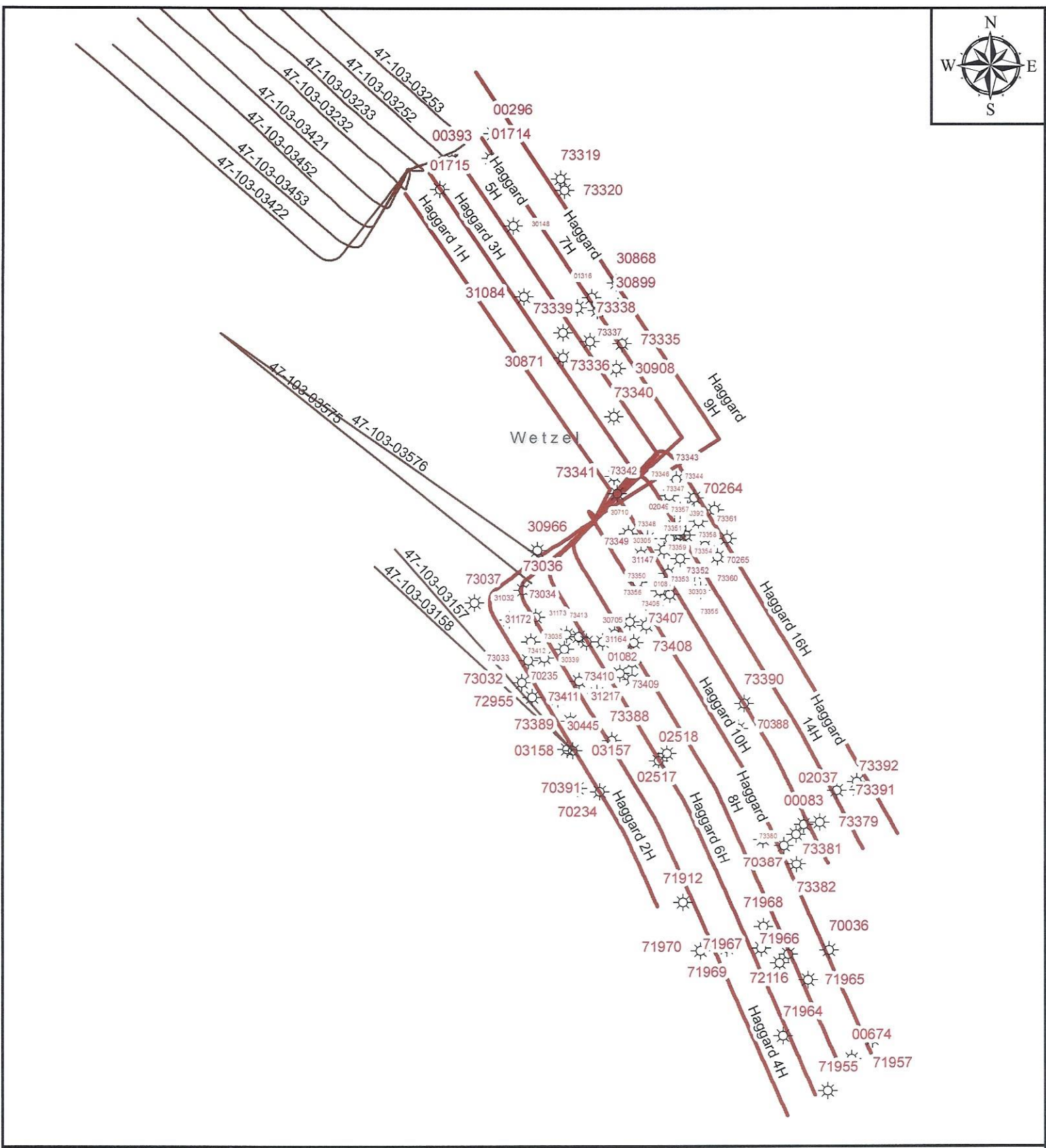
EQT will recommend to these operators at a minimum to:

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.

09/29/2023



EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

Haggard

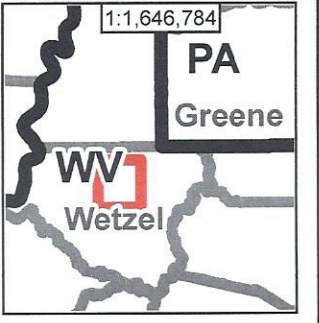
Vertical Offsets and
Foreign Laterals
within 500'

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



Disclaimer:

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



Created By: Kellen Wiltman Printed By: McClayO on 8/22/2023
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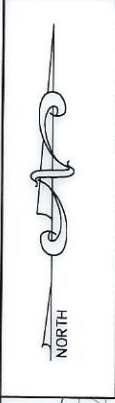
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APL_UW井_Lin	ENVOperator	InitialOpe	ENVWellSta	ENVWellTyp	InitialOpe	Longitude	ElevationG	ElevationK	MD_FT	TVD_FT	WellName	WellSymbol	
71912	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.611246	1003.00	0.00	0.00	0.00	0.00 STEPHEN DEAN	UNREPORTED-UNREPORTED	
73357	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.619928	1134.00	0.00	0.00	0.00	0.00 J N LEWISTERS	UNREPORTED-UNREPORTED	
70351	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.613360	1097.00	0.00	0.00	0.00	0.00 L W POSTLETHWAIT	UNREPORTED-UNREPORTED	
31173	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.623283	1394.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED	
73352	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.612609	1284.00	0.00	0.00	0.00	0.00 RICHARD POSTELWALT	UNREPORTED-UNREPORTED	
73319	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.623680	1448.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED	
30899	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.617864	1251.00	0.00	0.00	0.00	0.00 F E MILLER	UNREPORTED-UNREPORTED	
73342	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.615543	1290.00	0.00	0.00	3247.00	0.00 E U CARNEY 1	OIL-INACTIVE-COMPLETED	
30871	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.623482	1178.00	0.00	0.00	0.00	0.00 S C MILLER	UNREPORTED-UNREPORTED	
31164	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.621220	1452.00	0.00	0.00	0.00	0.00 W V TEAGARDEN	UNREPORTED-UNREPORTED	
31147	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.615782	1468.00	0.00	0.00	3407.00	0.00 PETER POSTELWALT HRS	UNREPORTED-UNREPORTED	
73389	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.622932	1394.00	0.00	0.00	0.00	0.00 P POSTLETHWAIT	UNREPORTED-UNREPORTED	
71965	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.598132	1345.00	0.00	0.00	0.00	0.00 E HENRY HEIRS	UNREPORTED-UNREPORTED	
73392	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.592716	1225.00	0.00	0.00	0.00	0.00 W JACKSON	UNREPORTED-UNREPORTED	
73409	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.616363	1318.00	0.00	0.00	0.00	0.00 B B POSTLETHWAIT	UNREPORTED-UNREPORTED	
73361	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.609418	1309.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED	
30148	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.628750	1332.00	0.00	0.00	3392.00	0.00 THEO MILLER	UNREPORTED-UNREPORTED	
01715	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.636446	1188.00	1389.00	3401.00	3401.00	0.00 JOHN PYLES 1	GAS-UNREPORTED	
70235	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.624218	1188.00	0.00	0.00	3258.00	0.00 R J POSTLETHWAIT	OIL & GAS-PRODUCING	
01082	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.649777	1575.00	1584.00	3503.00	3503.00	0.00 T J POSTLETHWAIT 2	UNREPORTED-INACTIVE-COMPLETED	
01714	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.631002	1347.00	1356.00	3280.00	3280.00	0.00 O. W. YEATER 1	OIL-PRODUCING	
02049	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.610544	1162.00	1171.00	3570.00	3570.00	0.00 MORRIS 1	OIL & GAS-PRODUCING	
30908	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.617853	1372.00	0.00	0.00	0.00	0.00 PETER WHITE	OIL-COMPLETED	
73355	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.618722	1255.00	0.00	0.00	0.00	0.00 J C HONNER 1	UNREPORTED-UNREPORTED	
30710	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.606868	1291.00	0.00	0.00	3190.00	0.00 J T & M MORRIS	OIL-INACTIVE-COMPLETED	
73359	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.612407	1195.00	0.00	0.00	0.00	0.00 JENNIE MORRIS	UNREPORTED-UNREPORTED	
30905	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.611295	1278.00	0.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTED-UNREPORTED	
73338	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.611295	1196.00	0.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTED-UNREPORTED	
73347	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.610718	1299.00	0.00	0.00	0.00	0.00 T J SHWALTER	UNREPORTED-UNREPORTED	
70392	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.627094	1362.00	0.00	0.00	0.00	0.00 J M DULANEY	UNREPORTED-UNREPORTED	
31172	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.594957	1511.00	0.00	0.00	0.00	0.00 J GARRETT & C TAYLOR	UNREPORTED-UNREPORTED	
73391	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.623493	1212.00	0.00	0.00	0.00	0.00 W V TEAGARDEN	UNREPORTED-UNREPORTED	
73339	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.619115	1216.00	0.00	0.00	0.00	0.00 E HENRY HEIRS	UNREPORTED-UNREPORTED	
71966	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.601129	1216.00	0.00	0.00	0.00	0.00 F HENRY HEIRS	UNREPORTED-UNREPORTED	
00083	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.598334	1075.00	1085.00	2984.00	2984.00	0.00 GARRETT, ROSA 1	WATER, P & A	
73346	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.612420	1307.00	0.00	0.00	0.00	0.00 MILLEY MORRIS	UNREPORTED-UNREPORTED	
73357	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.611295	1249.00	0.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTED-UNREPORTED	
71970	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.609372	1395.00	0.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-UNREPORTED	
73348	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.611858	1172.00	0.00	0.00	0.00	0.00 ELIZABETH SOLE	UNREPORTED-UNREPORTED	
73390	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.609727	1544.00	0.00	0.00	0.00	0.00 A C WOOD	UNREPORTED-UNREPORTED	
73381	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.600598	1032.00	0.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTED-UNREPORTED	
72116	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.618841	1240.00	0.00	0.00	0.00	0.00 E HENRY	UNREPORTED-UNREPORTED	
73343	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.600193	1240.00	0.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTED-UNREPORTED	
73410	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.611670	1203.00	0.00	0.00	0.00	0.00 T & S POSTLETHWAIT	UNREPORTED-UNREPORTED	
02518	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.616362	1276.00	0.00	0.00	0.00	0.00 LEE, WILLIAM E. WZ106A	UNREPORTED-UNREPORTED	
70036	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.63742	1509.00	1519.00	0.00	0.00	0.00 FRANKLIN BLAKE	GAS-FERMIT-CANCELLED	
73408	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.595894	1547.00	0.00	0.00	3392.00	0.00 B B POSTLETHWAIT	OIL-UNREPORTED	
73407	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.616175	1358.00	0.00	0.00	0.00	0.00 M E POSTLETHWAIT	UNREPORTED-UNREPORTED	
30445	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.616550	1498.00	0.00	0.00	0.00	0.00 M E POSTLETHWAIT	UNREPORTED-UNREPORTED	
30339	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.632716	1345.00	0.00	0.00	0.00	3310.00	PETER POSTLETHWAITE 3	UNREPORTED-UNREPORTED
70285	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.621988	1297.00	0.00	0.00	0.00	3260.00	SUSANNA POSTLETHWAITE 1	OIL & GAS-INACTIVE-COMPLETED
30868	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.606404	1335.00	0.00	0.00	0.00	3415.00	4	UNREPORTED-COMPLETED
72955	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.617856	1091.00	0.00	0.00	0.00	3077.00	J L CARNEY 4	OIL-INACTIVE-COMPLETED
70264	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.626876	1067.00	0.00	0.00	0.00	0.00 ELIZABETH DULANEY	UNREPORTED-UNREPORTED	
30966	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.607718	1226.00	0.00	0.00	0.00	3462.00	2	UNREPORTED-COMPLETED
73335	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.626312	1112.00	0.00	0.00	0.00	3011.00	P R LIVINGSTON 2	OIL-INACTIVE-COMPLETED
73354	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.617300	1315.00	0.00	0.00	0.00	0.00 RENA CARNEY	UNREPORTED-UNREPORTED	
71969	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.609793	1461.00	0.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTED-UNREPORTED	
73380	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.592716	1340.00	0.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-UNREPORTED	
70234	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.592857	1112.00	0.00	0.00	0.00	0.00 ROSA GARRETT	UNREPORTED-UNREPORTED	
71964	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.622151	1263.00	0.00	0.00	0.00	0.00 PETER POSTLETHWAIT	UNREPORTED-UNREPORTED	
70387	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.600255	1216.00	0.00	0.00	0.00	0.00 JOHN INGRAMM	UNREPORTED-UNREPORTED	
73380	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.602834	1185.00	0.00	0.00	0.00	0.00 GEORGE B POTTS	UNREPORTED-UNREPORTED	
70388	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.607353	1368.00	0.00	0.00	0.00	0.00 T J & M MORRIS	UNREPORTED-UNREPORTED	
73384	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.605274	1518.00	0.00	0.00	0.00	0.00 S C MILLER	UNREPORTED-UNREPORTED	
73351	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.609794	1205.00	0.00	0.00	0.00	0.00 HUGH SAPP	UNREPORTED-UNREPORTED	
73382	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.612984	1254.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED	
01081	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.599284	1229.00	1239.00	0.00	0.00	0.00 MAYO	UNREPORTED-UNREPORTED	
73350	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.614111	1518.00	1527.00	3401.00	3401.00	0.00 POSTLETHWAIT, B. 2	OIL-P & A	
73033	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.615424	1274.00	0.00	0.00	0.00	0.00 GEORGE E MORRIS	UNREPORTED-UNREPORTED	
73379	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.627251	1284.00	0.00	0.00	0.00	0.00 MARY RICHER	UNREPORTED-UNREPORTED	
00296	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.598485	1244.00	0.00	0.00	0.00	0.00 W SAPP	UNREPORTED-UNREPORTED	
01316	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.629593	1244.00	0.00	0.00	0.00	3600.00	YEATER-ALLEN 2	OIL & GAS-PRODUCING
73412	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.630758	1348.00	1357.00	3600.00	4200.00	4200.00	SHERIDAN 1	OIL & GAS-PRODUCING
73353	(N/A)	(N/A)	UNREPORTED	UNREPORTED	(N/A)	-80.623494	1519.00	0.00	0.00	0.00	0.00 A C YOHO	UNREPORTED-UNREPORTED	
			UNREPORTED	UNREPORTED	(N/A)	-80.611295	1285.00	0.00	0.00	0.00	0.00 BERTHA MORRIS HRS	UNREPORTED-UNREPORTED	

00674	47-103-00674-00	DIVERSIFIED ENERGY	P & A	GAS	DIVERSIFIED PRODUCTION	39.610278	-80.593537	1160.00	1169.00	2989.00	2989.00	2989.00 INGRAM, J. 646	GAS-P & A
73341	47-103-73341-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.657750	-80.618239	1467.00	0.00	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	1528.00	0.00	0.00 POSTLETHWAIT 1M	GAS-DRILLED
73413	47-103-73413-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.644832	-80.621993	1498.00	0.00	0.00	0.00	0.00 T & S POSTLETHWAIT	UNREPORTED-UNREPORTED
71957	47-103-71957-00	REVANS & GEORGE HIX	INACTIVE COMPLETED	OIL	R EVANS & GEORGE HIX	39.672357	-80.627613	1369.00	0.00	3125.00	0.00	3120.00 SMITH HEIRS	OIL-INACTIVE-COMPLETED
73036	47-103-73036-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.611874	-80.591388	1059.00	0.00	0.00	0.00	0.00 OLLIE SIX	UNREPORTED-UNREPORTED
71955	47-103-71955-00	DIVERSIFIED ENERGY	UNREPORTED	UNREPORTED	(N/A)	39.648605	-80.627815	1167.00	0.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
02037	47-103-02037-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.632932	-80.592903	1241.00	1250.00	3434.00	0.00	3434.00 BRIGGS 1	GAS-P & A
03158	47-103-03158-00	ANTERO RESOURCES	UNREPORTED	UNREPORTED	(N/A)	39.607666	-80.596071	1028.00	0.00	0.00	0.00	0.00 JOHN INGRAHM	UNREPORTED-UNREPORTED
71967	47-103-71967-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.635576	-80.622684	1472.00	1443.00	16142.00	0.00	0.00 ROCK CAMP 1M	GAS-DRILLED
31217	47-103-31217-00	CASSADY, WILLIAM	INACTIVE COMPLETED	UNREPORTED	(N/A)	39.619277	-80.603003	1148.00	0.00	0.00	0.00	0.00 JACOB YOHO	UNREPORTED-UNREPORTED
73388	47-103-73388-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.641806	-80.617655	1371.00	0.00	0.00	0.00	0.00 C W POSTLETHWAIT	UNREPORTED-UNREPORTED
73034	47-103-73034-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.636414	-80.618616	1240.00	0.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
73349	47-103-73349-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.646429	-80.606500	1043.00	0.00	0.00	0.00	0.00 ELIZABETH SOLE	UNREPORTED-UNREPORTED
73320	47-103-73320-00	BP	UNREPORTED	UNREPORTED	(N/A)	39.652670	-80.614673	1219.00	0.00	0.00	0.00	0.00 F E MILLER	UNREPORTED-UNREPORTED
02517	47-103-02517-00	CNX	PERMIT CANCELLED	GAS	HOPE NATURAL GAS COMPANY	39.680983	-80.623305	1337.00	0.00	0.00	0.00	0.00 LEE, WILLIAM E. WZ106	GAS-PERMIT CANCELLED
71968	47-103-71968-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.635279	-80.612758	1541.00	1551.00	0.00	0.00	0.00 F M BLAKE	UNREPORTED-UNREPORTED
73336	47-103-73336-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.621018	-80.602815	1301.00	0.00	0.00	0.00	0.00 JN LEMASTERS	UNREPORTED-UNREPORTED
30303	47-103-30303-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.668792	-80.620678	1232.00	0.00	0.00	0.00	0.00 B B POSTLETHWAIT	UNREPORTED-UNREPORTED
73037	47-103-73037-00	C D CROUCH GAS	UNREPORTED	UNREPORTED	(N/A)	39.645703	-80.614861	1473.00	0.00	0.00	0.00	0.00 JENNIE MORRIS	UNREPORTED-UNREPORTED
73411	47-103-73411-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.648187	-80.612405	1295.00	0.00	0.00	0.00	0.00 ELLEN DELANEY	UNREPORTED-UNREPORTED
73340	47-103-73340-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.647590	-80.632282	1091.00	0.00	0.00	0.00	0.00 T & S POSTLETHWAIT	UNREPORTED-UNREPORTED
00993	47-103-00993-00	MANUFACTURERS LIGHT & HEAT CO	UNREPORTED	GAS	OPERATOR UNKNOWN	39.640187	-80.620117	1507.00	0.00	0.00	0.00	0.00 S OLMON-MILLER	UNREPORTED-UNREPORTED
73338	47-103-73338-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.665684	-80.618238	1300.00	1298.00	3260.00	0.00	3260.00 JACKSON, ALONZO 1-4235	GAS-P & A
31032	47-103-31032-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.685549	-80.635080	1289.00	0.00	0.00	0.00	0.00 JN LEMASTERS	UNREPORTED-UNREPORTED
30705	47-103-30705-00	MOSES, WILLIAM	COMPLETED	OIL	MOSES, WILLIAM	39.671549	-80.621992	1336.00	0.00	0.00	0.00	2975.00 A G SIDELL 1	OIL-COMPLETED
73032	47-103-73032-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.646156	-80.629286	1139.00	0.00	0.00	0.00	3350.00 SUSAN POSTLETHWAITE 2	OIL-INACTIVE-COMPLETED
73035	47-103-73035-00	(N/A)	UNREPORTED	UNREPORTED	(N/A)	39.644416	-80.619531	1392.00	0.00	0.00	0.00	0.00 MARY RICHTER	UNREPORTED-UNREPORTED
			UNREPORTED	UNREPORTED	(N/A)	39.641058	-80.628002	1137.00	0.00	0.00	0.00	0.00 A C YOHO	UNREPORTED-UNREPORTED
			UNREPORTED	UNREPORTED	(N/A)	39.643090	-80.621562	1439.00	0.00	0.00	0.00	0.00	UNREPORTED-UNREPORTED

Horizontalis	AP_LUWJ_12	ENOperato	ENWellSta	InitialOpn	Latitude	Longitude	ElevationG	ElevationK	MD_FT	TVD_FT	WellName	WellSymbol	
	47-103-03421-C	SOUTHWESTERN ENER PRODUCING	ERVWellSta	SWN PROD		39.682691	-80.639657	1343.000000	1369.00	1735.000	7372.040	SWN A WTZ 1H	GAS-PRODUCING
	47-103-03158-C	ANTERO RESOURCES	GAS	DAC ENERGY		39.635576	-80.622684	1422.000000	1443.00	1642.000	0.000	ROCK CAMP 1M	GAS-DRILLED
	47-103-03576-C	SOUTHWESTERN ENER DUC	OTHER	SWN PROD		39.669537	-80.659397	1583.000000	1604.00	0.000	0.000	WILLIAM RITCHEA WTZ 410H	OTHER-DUC
	47-103-03233-C	SOUTHWESTERN ENER PRODUCING	GAS	SWN PROD		39.682614	-80.639608	1369.000000	1390.00	2085.000	7347.000	SWN A WTZ 5H	GAS-PRODUCING
	47-103-03252-C	SOUTHWESTERN ENER COMPLETED	GAS	SWN PROD		39.682664	-80.639673	1343.000000	1369.00	16741.000	7366.650	SWN A WTZ 201H	GAS-PRODUCING
	47-103-03575-C	SOUTHWESTERN ENER DUC	OIL & GAS	SWN PROD		39.682538	-80.639651	1344.000000	1368.00	25772.000	7347.000	SWN A UD WTZ 395H	OIL & GAS-COMPLETED
	47-103-03422-C	SOUTHWESTERN ENER PRODUCING	OTHER	SWN PROD		39.669541	-80.659445	1584.000000	1605.00	0.000	0.000	WILLIAM RITCHEA WTZ 210H	OTHER-DUC
	47-103-03232-C	SOUTHWESTERN ENER PRODUCING	GAS	SWN PROD		39.682614	-80.639703	1343.000000	1369.00	18030.000	7368.900	SWN A WTZ 601H	GAS-PRODUCING
	47-103-03453-C	SOUTHWESTERN ENER PRODUCING	GAS	SWN PROD		39.682589	-80.639622	1342.000000	1368.00	18720.000	7374.760	SWN A WTZ 3H	GAS-PRODUCING
	47-103-03253-C	SOUTHWESTERN ENER PRODUCING	GAS	SWN PROD		39.682641	-80.639687	1343.000000	1369.00	17178.000	7381.520	SWN A WTZ 401H	GAS-PRODUCING
	47-103-03157-C	ANTERO RESOURCES	GAS	SWN PROD		39.682664	-80.639579	1344.000000	1368.00	25954.000	7359.410	SWN A WTZ 405H	GAS-PRODUCING
			GAS	DAC ENERGY		39.635563	-80.622736	1421.000000	1442.00	15928.000	0.000	POSTLETHWAIT 1M	GAS-DRILLED

Haggard 14H
Haggard
EQT Production Company



HAGGARD 14H

HAGGARD 14H
LANDING POINT

HAGGARD 14H
AZ11

HAGGARD 14H
BOTTOM HOLE

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

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

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



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

Thomas C. Smit
L. L. S. 687



SEAL

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



DATE: AUGUST 18 20 23
 OPERATORS WELL NO: Haggard 14H
 API WELL NO
 47 - 103 - 03531
 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'

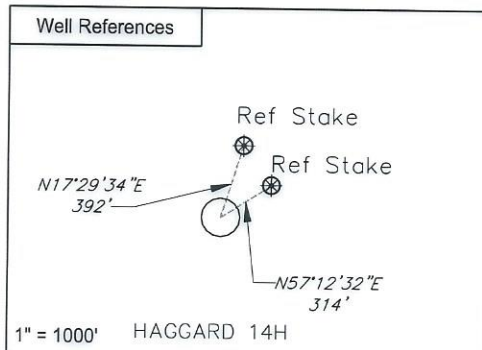
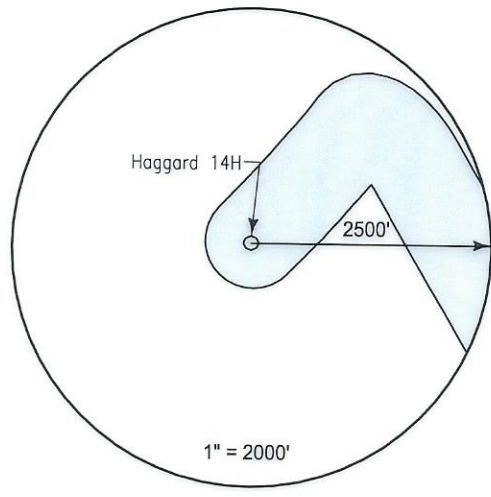
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
 Canonsburg, PA 15317 Clarksburg, WV 26301

09/29/2023

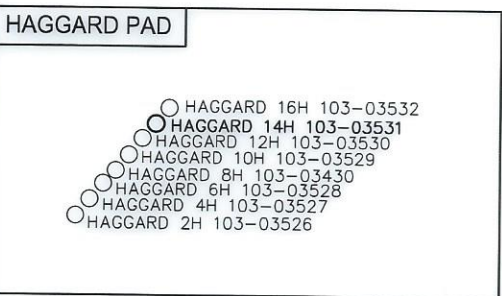
Haggard 14H
Haggard
EQT Production Company

Tract ID.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	10	36.0	Wetzel	Center	Amie Lee Henderson	45.50
2	10	27.0	Wetzel	Center	Scott L Musgrave	35.00
3	10	28.0	Wetzel	Center	Calvin T. Jr & Monica L. Morris	47.50
4	10	39.1	Wetzel	Center	Rusty L. Morris II & Ashton N. Morris	26.00
5	10	54.0	Wetzel	Center	Ronnie E. & Yvonne M. Wade	65.79
6	10	56.0	Wetzel	Center	Patrick L. Morris	93.75
7	14	10.0	Wetzel	Center	Johnny Kenneth & Deborah K. Greathouse	122.00
8	15	66.0	Wetzel	Center	Owen E. & Saloma D. Schmucker	28.87
9	14	33.0	Wetzel	Center	Dennis L. Hickie etal	144.00
10	15	28.1	Wetzel	Center	Owen E. & Saloma D. Schmucker	22.66
11	15	42.0	Wetzel	Center	Sharon M. Dulaney etal	53.30
12	15	43.0	Wetzel	Center	Donnie P. & Donna Kirkpatrick	62.81
13	15	55.0	Wetzel	Center	Mildred A. Sapp	44.82
14	15	55.1	Wetzel	Center	WM H. Sapp	5.50
15	15	56.0	Wetzel	Center	John R. & Phyllis R. Bohrer	42.75
16	10	53.1	Wetzel	Center	Rusty L. Morris	1.13

Lease	Owner	Acres
229416001	Blackrock Enterprises LLC, et al.	84.94 ac of 198.1275 ac
109437024	Rusty Lee Morris, et al.	47.5 ac
224922029	Rusty Lee Morris, II and Ashton N. Morris, et al.	28.915 ac
224085025	Robert Eugene Heslop, et al.	2 ac
105860001	Stone Hill Minerals Holdings, LLC, et al.	1,694.69 ac
166675000	AMP IV, LP, et al.	93.75 ac
216185001	Drilling Appalachian Corporation, et al.	122 ac
120326004	Owen E. Schmucker and Saloma D. Schmucker, et al.	52.45 ac
175061000	OXY USA, Inc., et al.	31.19 ac and 144 ac of 31,151.581 ac
136368005	Owen E. Schmucker and Saloma D. Schmucker, et al.	77.41875 ac
134109008	Raymond Lee Yoho, et al.	53.25 ac
129345000	Appalachian Basin Minerals, LP, et al.	45.92 ac
220016001	Piney Holdings, Inc., et al.	5.5 ac
174492005	Robert L. Roksandich, et al.	72.085 ac



Notes:
HAGGARD 14H coordinates are
NAD 27 N: 422,400.254 E: 1,684,603.996
NAD 27 Lat: 39.654334 Long: -80.620197
NAD 83 UTM N: 4,389,470.780 E: 532,598.973
HAGGARD 14H Landing Point coordinates are
NAD 27 N: 423,214.566 E: 1,686,283.967
NAD 27 Lat: 39.656626 Long: -80.614267
NAD 83 UTM N: 4,389,727.431 E: 533,106.669
HAGGARD 14H AZ11 Point coordinates are
NAD 27 N: 415,839.244 E: 1,690,564.720
NAD 27 Lat: 39.636524 Long: -80.598744
NAD 83 UTM N: 4,387,502.271 E: 534,448.297
HAGGARD 14H Bottom Hole coordinates are
NAD 27 N: 412,439.767 E: 1,692,279.920
NAD 27 Lat: 39.627249 Long: -80.592507
NAD 83 UTM N: 4,386,475.321 E: 534,988.111
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 18 20 23
OPERATORS WELL NO: Haggard 14H
API WELL NO: 47 - 103 - 03531
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>109437024</u>	<u>Rusty Lee Morris, et al.</u> Rusty L. Morris, single	47.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 332A/682
<u>224922029</u>	<u>Rusty Lee Morris, II and Ashton N. Morris, et al.</u> Rusty Lee Morris, II & Ashton N. Morris, husband and wife SWN Production Company, LLC	28.915 ac	SWN Production Company, LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 264A/944 OG 324A/716
<u>224085025</u>	<u>Robert Eugene Heslop, et al.</u> Robert Eugene Heslop, by his Attorney-in-Fact, Brenda Justice	2 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 313A/3
<u>105860001</u>	<u>Stone Hill Minerals Holdings, LLC, et al.</u> Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Antero Exchange Properties LLC Antero Resources Corporation	1,694.69 ac	SWN Production Company, LLC Antero Exchange Properties LLC Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 166A/931 OG 177A/533 Corp. Book 13/311 OG 231A/59
<u>166675000</u>	<u>AMP IV, LP, et al.</u> AMP IV, LP	93.75 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 265A/549

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✓ <u>216185001</u>	<u>Drilling Appalachian Corporation, et al.</u> Drilling Appalachian Corporation	122 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 276A/602
✓ <u>120326004</u>	<u>Owen E. Schmucker and Saloma D. Schmucker, et al.</u> Owen E. Schmucker and Saloma D. Schmucker, husband and wife Antero Resources Corporation	52.45 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 189A/408 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 Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Antero Exchange 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>136368005</u>	<u>Owen E. Schmucker and Saloma D. Schmucker, et al.</u> Owen E. Schmucker and Saloma D. Schmucker, husband and wife Antero Resources Corporation	77.41875 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 201A/896 OG 231A/59
✓ <u>134109008</u>	<u>Raymond Lee Yoho, et al.</u> Raymond Lee Yoho and Billie S. Yoho, husband and wife	53.25 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 274A/213

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✓ <u>129345000</u>	<u>Appalachian Basin Minerals, LP, et al.</u> Appalachian Basin Minerals, LP, by ABM GP, LLC, is General Partner	45.92 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 227A/84
✓ <u>220016001</u>	<u>Piney Holdings, Inc., et al.</u> Piney Holdings, Inc.	5.5 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 291A/814
✓ <u>174492005</u>	<u>Robert L. Roksandich, et al.</u> Robert L. Roksandich, aka, Robert Roksandich a married man dealing in his sole and separate property	72.085 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 282A/763

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September 13, 2023

Via FedEx Overnight Delivery

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

RE: Horizontal Well Work Permit Application Modification – EXPEDITED REVIEW REQUESTED
Haggard 14H
Permit Number 47-103-03531
Center District, Wetzel County, WV

WVDEP Recipient,

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

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

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

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

Best Regards,

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

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Ch # 598260
2500.00
Ch # 599142
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