



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

Thursday January 27, 2022
PERMIT MODIFICATION APPROVAL
New Drill / Modification/Lateral Extension

EQT PRODUCTION COMPANY
625 LIBERTY AVE. SUITE 1700
PITTSBURGH, PA 15222

Re: Permit Modification Approval for BIG464 11H
47-103-03436

Extending Lateral

EQT PRODUCTION COMPANY

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

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

James A. Martin
Chief

Operator's Well Number: BIG464 11H
Farm Name: EQT PRODUCTION COMPANY
U.S. WELL NUMBER: 47-103-03436
New Drill Modification/Lateral Extension
Date Modification Issued: 01/27/2022

Promoting a healthy environment.

02/11/2022

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 Grant Big Run
Operator ID County District Quadrangle

2) Operator's Well Number: 11H Well Pad Name: BIG464

3) Farm Name/Surface Owner: EQT Production Company Public Road Access: CR1

4) Elevation, current ground: 1246.8' (built) Elevation, proposed post-construction: 1246.8' (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, 7,394', 51', 2,620 PSI

8) Proposed Total Vertical Depth: 7394'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24504'

11) Proposed Horizontal Leg Length: 16491'

12) Approximate Fresh Water Strata Depths: 109', 184', 432'

13) Method to Determine Fresh Water Depths: Offset Wells - 47-103-30593, 47-103-30910

14) Approximate Saltwater Depths: 1724', 1848'

15) Approximate Coal Seam Depths: 556'-559', 795'-797', 897'-899', 912'-919'

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: _____

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	A-500	85.6	40	40 ✓	50 ft ³ / CTS
Fresh Water	13 3/8	New	J-55	54.5	1019	1019 ✓	1000 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2441	2441 ✓	1000 ft ³ / CTS
Production	5 1/2	New	P-110	20	24504	24504 ✓	500' above intermediate casing
Tubing							
Liners							

Bryan Harris 12/28/21 ✓

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	1050	18	Class A	1.18
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A / Type 1	1.13 - 1.19
Coal							
Intermediate	9 5/8	12 3/8	0.352	3520	2816	Class A / Type 1	1.13 - 1.19
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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

Drill and complete a new horizontal well in the Marcellus Formation. Drill the vertical, kick off and drill curve. 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): N/A - Site Built

22) Area to be disturbed for well pad only, less access road (acres): N/A - Site 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 joint from production casing shoe to KOP.

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

Conductor: Class A 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.

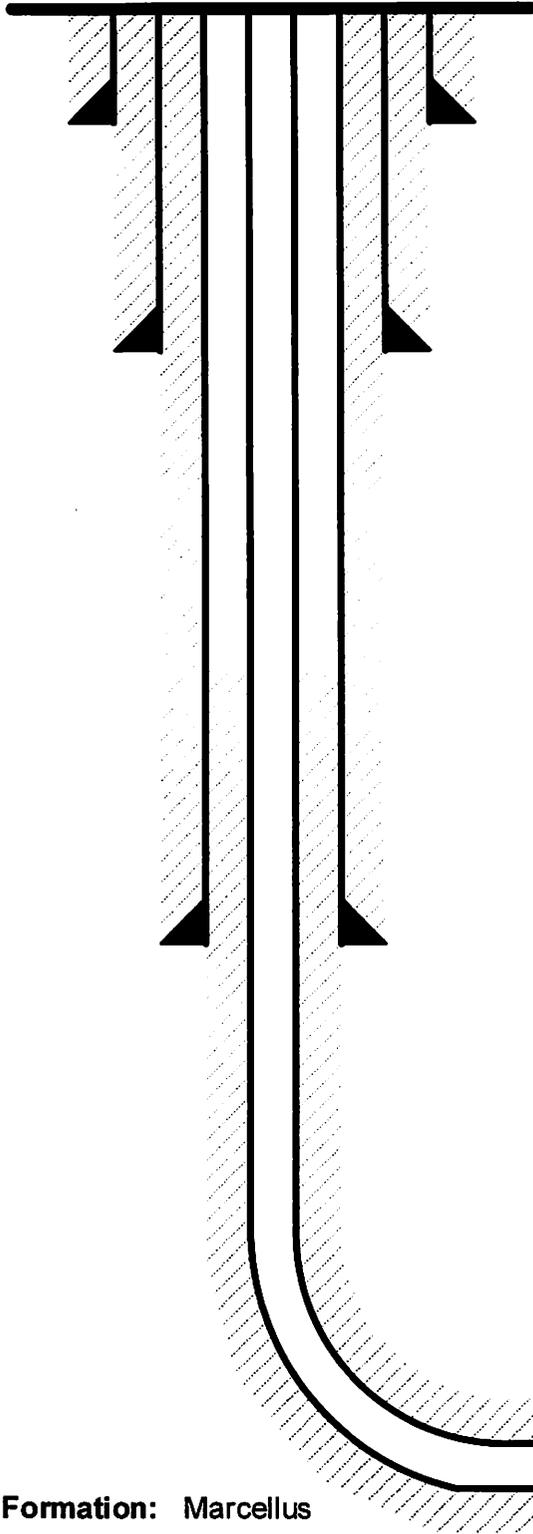
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: BIG 464 11H
Pad: BIG 464
Elevation: 1246' GL 1259' KB

County: Wetzel
State: West Virginia



Conductor @ 40'

26", 85.6#, A-500, cement to surface w/ Class A

Surface @ 1,019'

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

Intermediate @ 2,441'

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

Production @ 24,504' MD / 7,394' TVD

5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H

Formation: Marcellus

NOT TO SCALE
02/11/2022

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Finalized for Top Hole

Horizontal Well

BIG464

S-000124

Drilling Objectives: Marcellus

County: Wetzel

Quad: Big Run

Elevation: 1259 KB

1246 GL

TBD

Recommended Azimuth: TBD Degrees

Recommended I.P. to TD: TBD

Proposed Logging Suite: Pilot Logging Not needed

ESTIMATED FORMATION TOPS

From pilots on BIG57 and BIG182

Formation	Top (TVD)	Base (TVD)	Lithology	Comments	Top RR	Base RR
Fresh Water Zone	1	432		FW @ 109,184,252,278,432.	69	73
Waynesburg Coal	556	559	Coal		76	80
Coal	795	797	Coal	No known past/present/and or future mining within the area	96	114
Sewickley Coal	897	899	Coal		125	132
Pittsburgh Coal	912	919	Coal			Base of Red
Maxton	1792	1971	Sandstone	SW @ 1724,1848.		
Big Lime	2234	2310	Limestone			
Big Injun	2322	2391	Sandstone			
Int. csg pt	2441					
Weir	2520	2670	Sandstone			
Top Devonian	2735					
Gantz	2735	2771	Silty Sand			
Fifty foot	2876	2932	Silty Sand	Storage is NOT of concern		
Thirty foot	2971	2998	Silty Sand			
Gordon	3027	3072	Silty Sand			
Forth Sand	3097	3110	Silty Sand	Base of Offset Well Perforations at 3129' TVD		
Fifth Sand	3169	3188	Silty Sand			
Bayard	3222	3240	Silty Sand			
Warren	3645	3669	Silty Sand			
Speechley	3765	3813	Silty Sand			
Balltown A	4123	4138	Silty Sand			
Riley	4608	4650	Silty Sand			
Benson	5237	5286	Silty Sand			
Alexander	5651	5718	Silty Sand			
Elks	5718	5917	Gray Shales and Silts			
Sonyea	6917	7080	Gray shale			
Middlesex	7080	7136	Shale			
Genesee	7136	7223	Gray shale interbedded			
Genesee	7223	7255	Black Shale			
Tully	7255	7280	Limestone			
Hamilton	7280	7378	Gray shale with some			
Marcellus	7378	7429	Black Shale			
Purcell	7393	7396	Limestone			
-Lateral Zone	7394					
Cherry Valley	7409	7413	Limestone			
Onondaga	7429		Limestone			

Target Thickness 51 feet

Comments:
Intermediate casing point is recommended beneath the Big Injun to shut off any water production from the Upper Devonian sands. Intermediate casing should be cemented into the surface string, per WV regulations.

RECOMMENDED CASING POINTS

Fresh Water/Coal	CSG OD	13 3/8	CSG DEPTH:	1019	Beneath Pittsburgh Coal
Intermediate 1:	CSG OD	9 5/8	CSG DEPTH:	2441	Beneath the Big Injun formation
Production:	CSG OD	5 1/2	CSG DEPTH:	@ TD	

January 21, 2022

County: Wetzel

Pad ID: BIG464

Hydraulic Fracturing Monitoring Plan

EQT Production

02/11/2022

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 BIG464 well pad: 1H, 3H, 5H, 7H, 9H, 11H & 113H.

Due to the requirements under 3SCSR8 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**.

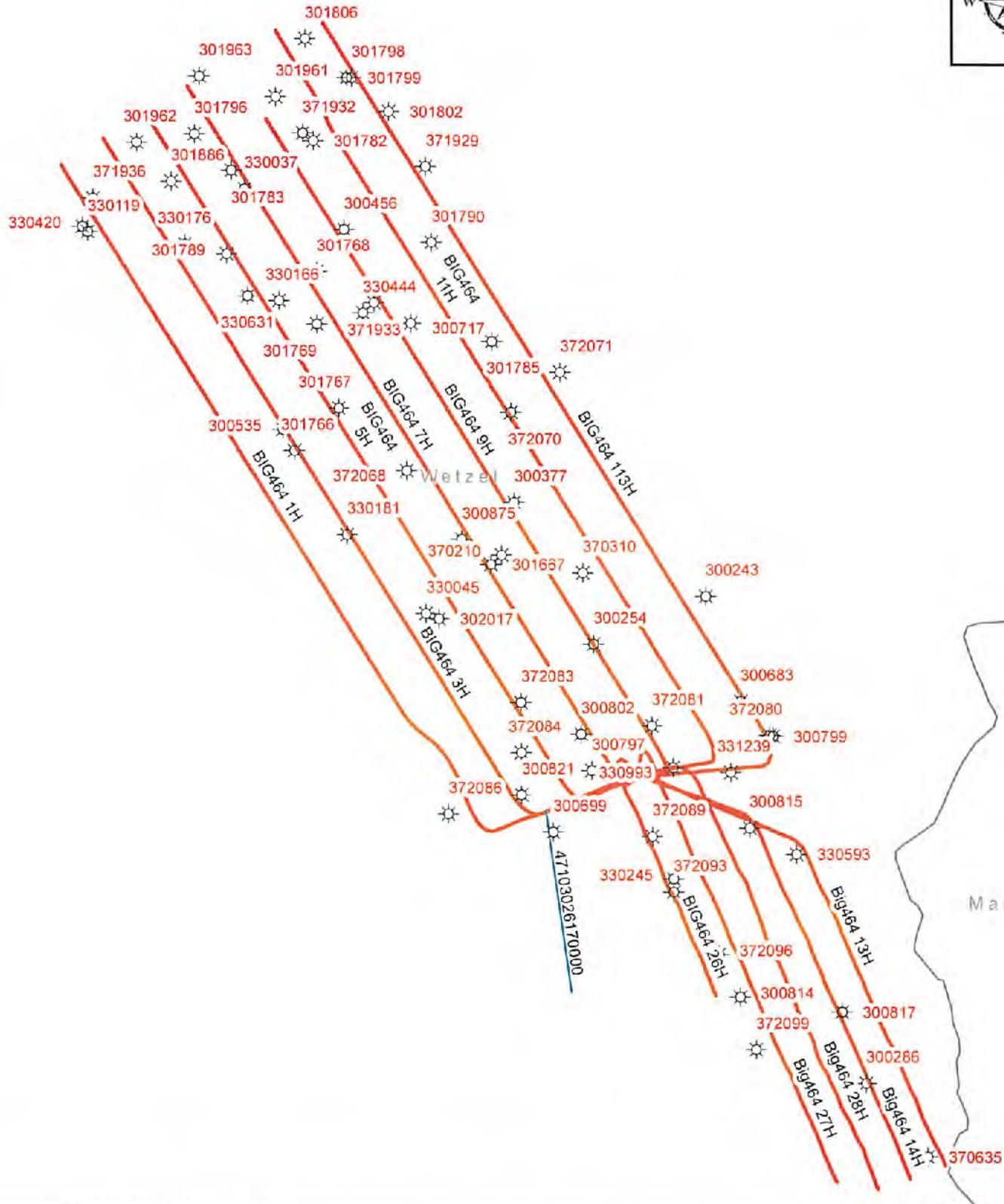
EQT will notify these operators of the hydraulic fracturing schedule for these wells, and coordinate with them throughout the fracturing process.

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.



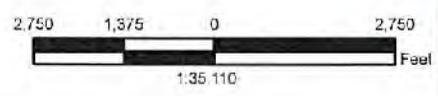
EQT
 EQT Corporation
 625 Liberty Avenue
 Pittsburgh, PA 15222

BIG464

Vertical Offsets and Foreign Laterals within 500'

Legend

- Foreign Offset Well
- Foreign Offset Laterals
- Well Lateral_FM Formation**
- Genesee
- Marcellus
- Utica

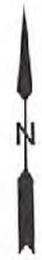


Disclaimer:

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.



BIG464 11H
EQT Production Company
"Detail of 11H Top Hole"



Lease No.
1010666

Lease No.
707114



Scale: 1 Inch = 50 Feet



Proposed Well Bore

Birch River Office
 Phone: (304) 649-8606
 Fax: (304) 649-8608



237 Birch River Road
 Birch River, WV 26610
 www.alleghenysurveys.com

PARTY CHIEF: NA	DRAWING NO: 11H Detail.dwg
RESEARCH: NA	PROJECT NO: 125-34-G-16
SURVEYED: NA	PREPARED: January 26, 2022
FIELD CREW: NA	DRAWN BY: Tim Rutledge

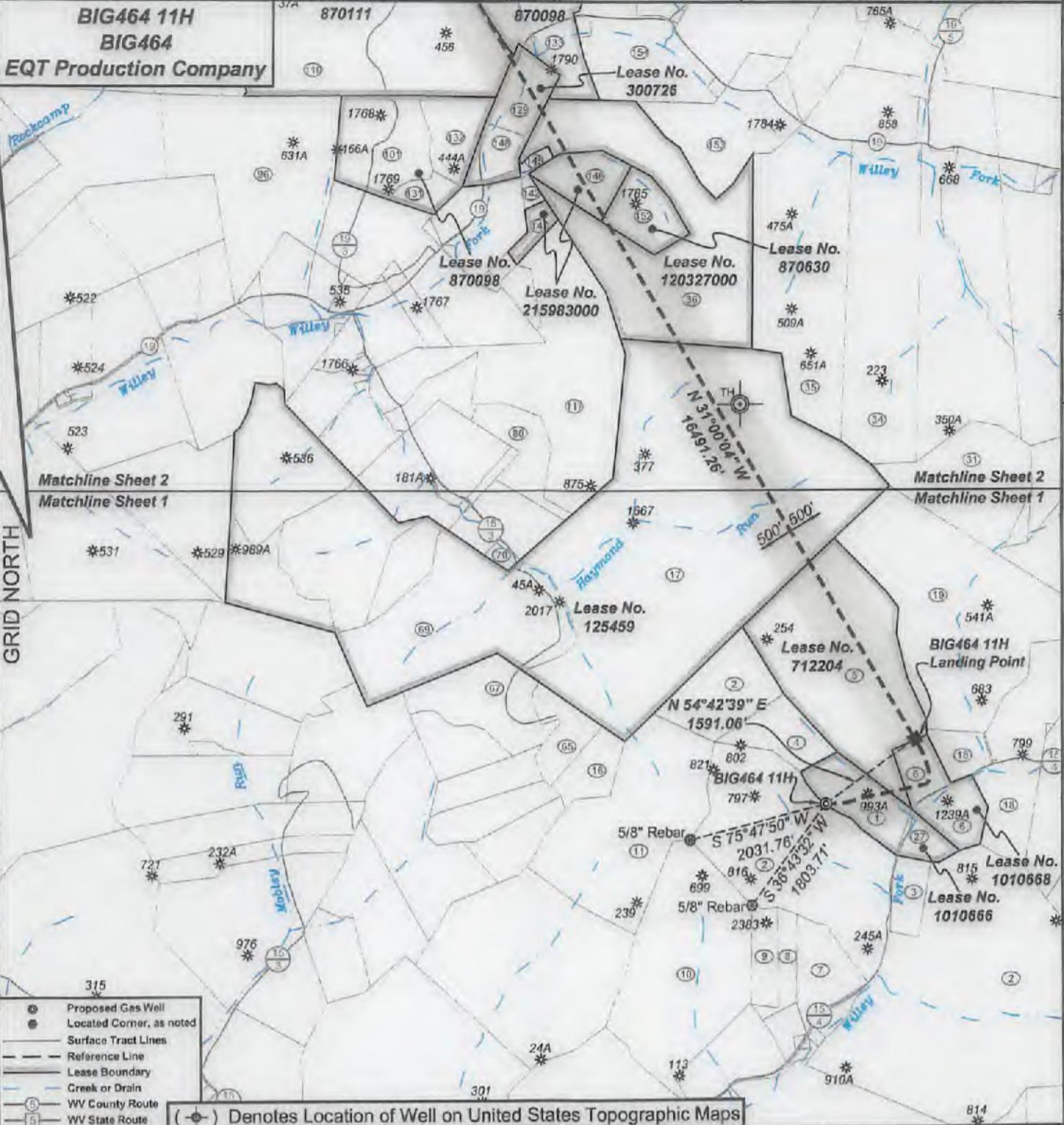
UWI	ACT_STATUS	CURR_OPER	FHL_CLASS	INIT_CLASS	LATITUDE	LONGITUDE	OPER_NAME	DATUM	ELEVATION	TOT_DEPTH	TYD	WELL_NAME	WELL_NUM
372080	Completed Wells	CARNEGIE NATURAL GAS CORP	UNCLASSIFIED	UNCLASSIFIED	39.56890000	-80.50730600	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
300817	Completed Wells	EQT PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.55443100	-80.50224800	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
371934	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.55969100	-80.55553000	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
300821	Completed Wells	CARNEGIE NATURAL GAS CORP	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	UNCLASSIFIED	39.56640700	-80.52510300	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
300375	Completed Wells	DIVERSIFIED PRODUCTION LLC	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.58057600	-80.52922500	PHILADELPHIA OIL	NAD27	0.00	0.00	0.00		
301647	Completed Wells/AH/NC	ANJA RESOURCES	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.57919010	-80.52717940	UNKNOW	NAD27	1066.00	0.00	0.00		
372071	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.58973100	-80.52210600	UNKNOW	NAD27	0.00	0.00	0.00		
372086	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.56548100	-80.53034900	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
371932	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.60208400	-80.54046500	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
370310	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.57869900	-80.52060700	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
370635	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.54646800	-80.49617900	UNKNOW	NAD27	0.00	0.00	0.00		
330444	Completed Wells	HOPE NATURAL GAS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.59303100	-80.53622100	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
372068	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.58438100	-80.53315900	UNKNOW	NAD27	0.00	0.00	0.00		
371934	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.60741800	-80.54447700	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
372080	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.56417500	-80.51573600	UNKNOW	NAD27	0.00	0.00	0.00		
300243	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.57728300	-80.51330200	HOPE NATURAL GAS	NAD27	1272.00	1018.00	0.00		
372093	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.56113700	-80.51423800	UNKNOW	NAD27	0.00	0.00	0.00		
300815	Completed Wells	DIVERSIFIED PRODUCTION LLC	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.56491000	-80.50885200	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
301798	Completed Wells/AH/NC	DAC CORP	DEVELOPMENT WELL-DRY (INCLUDING TEMPORARILY ABANDONED WELL)	DEVELOPMENT WELL	39.60139800	-80.53690200	DAC CORP	NAD27	1525.00	2323.00	0.00		
370210	Completed Wells	HOPE NATURAL GAS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.57970500	-80.52641500	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
300377	Completed Wells/AH/NC	ANJA RESOURCES	DEVELOPMENT WELL-DRY (INCLUDING TEMPORARILY ABANDONED WELL)	DEVELOPMENT WELL	39.58260800	-80.52548500	EAGON ROBINSON OIL & GAS	NAD27	1035.00	3197.00	0.00		
300583	Completed Wells	CONSOLIDATED GAS SUPPLY CORP	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.57157700	-80.50936700	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	0.00	0.00		
300797	Completed Wells	EQT PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.56780300	-80.52004500	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
372084	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.56821900	-80.52510300	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
331239	Completed Wells	CONSOLIDATED GAS SUPPLY CORP	UNCLASSIFIED	UNCLASSIFIED	39.56785800	-80.51011600	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	0.00	0.00		
372081	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.57027100	-80.51377800	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
330119	Completed Wells	CARNEGIE NATURAL GAS CORP	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.59771400	-80.55590400	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
371929	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.60119700	-80.53166000	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
372083	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.57157700	-80.52510300	UNKNOW	NAD27	0.00	0.00	0.00		
371933	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.59385000	-80.53540700	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
300814	Completed Wells	EQUITABLE PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.55532000	-80.50955400	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
372070	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.58755400	-80.52866500	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00		
300286	Completed Wells	UNKNOW	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.55053200	-80.50056200	UNKNOW	NAD27	1171.00	3066.00	0.00		
301766	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEEPER POOL W/DCAT	39.58552970	-80.54121790	DAC CORP	NAD27	871.00	2302.00	0.00		
3003213	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56746800	-80.51672600	EQT PRODUCTION CO	NAD27	1264.00	12453.00	7560.00		
302312	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56745300	-80.51663300	EQT PRODUCTION CO	NAD27	1324.00	16223.00	7555.00		
301941	Completed Wells/AH/NC	XTO ENERGY INC	DEVELOPMENT WELL-OIL	DEVELOPMENT WELL	39.60512390	-80.54241940	EXCEL ENERGY INC	NAD27	1380.00	3696.00	0.00		
301789	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59641490	-80.54597870	DAC CORP	NAD27	1420.00	3584.00	0.00		
330831	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59409700	-80.54447900	HOPE NATURAL GAS	NAD27	1450.00	3254.00	0.00		
303214	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56743610	-80.51669920	EQT PRODUCTION CO	NAD27	1264.00	16832.00	7494.00		
300699	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56448500	-80.52385500	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	3154.00	0.00		
301782	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60265680	-80.53977190	DAC CORP	NAD27	1434.00	3823.00	0.00		
300799	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56963390	-80.50705510	CARNEGIE NATURAL GAS CORP	NAD27	1090.00	3086.00	0.00		
300176	Completed Wells	PITTSBURGH & W VA GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59628600	-80.54897300	PITTSBURGH & W VA GAS	NAD27	1078.00	3155.00	0.00		
302056	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59727800	-80.53753500	UNKNOW	NAD27	1285.00	2505.00	0.00		
301806	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60831680	-80.54028070	DAC CORP	NAD27	1209.00	3365.00	0.00		
300699	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56446500	-80.52285500	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	1747.00	0.00		
301767	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEEPER POOL W/DCAT	39.58785160	-80.53803360	DAC CORP	NAD27	868.00	3264.00	0.00		
330593	Completed Wells	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56315900	-80.50543300	CARNEGIE NATURAL GAS CORP	NAD27	1527.00	1897.00	0.00		
301806	Completed Wells/AH/NC	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60047900	-80.54991380	EXCEL ENERGY INC	NAD27	981.00	3310.00	0.00		
330245	Completed Wells	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56185300	-80.51423800	CARNEGIE NATURAL GAS CORP	NAD27	1060.00	2908.00	0.00		
330218	Completed Wells	PITTSBURGH & W VA GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56748440	-80.51665110	EQT PRODUCTION CO	NAD27	906.00	2936.00	0.00		
301963	Completed Wells/AH/NC	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60628400	-80.54785220	EXCEL ENERGY INC	NAD27	1224.00	3350.00	0.00		
330045	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.57651200	-80.53184700	HOPE NATURAL GAS	NAD27	0.00	2146.00	0.00		
300802	Completed Wells	EQT PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.56883500	-80.52079400	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00		
301790	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59698800	-80.53128500	DAC CORP	NAD27	904.00	3126.00	0.00		
330037	Completed Wells	PITTSBURGH & W VA GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60073600	-80.54466400	PITTSBURGH & W VA GAS	NAD27	869.00	1966.00	0.00		
330993	Completed Wells	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56794900	-80.51423800	CARNEGIE NATURAL GAS CORP	NAD27	1131.00	3604.00	0.00		
301796	Completed Wells/AH/NC	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60209190	-80.54822700	EXCEL ENERGY INC	NAD27	1003.00	3337.00	0.00		
330553	Completed Wells	UNKNOW	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56315900	-80.50543300	UNKNOW	NAD27	1537.00	3438.00	0.00		
301799	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60613200	-80.53728200	DAC CORP	NAD27	1525.00	3629.00	0.00		
302315	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56740440	-80.51667140	EQT PRODUCTION CO	NAD27	1305.00	16963.00	7532.00		
301768	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	NEW POOL W/DCAT	39.59539970	-80.53953300	DAC CORP	NAD27	1285.00	3679.00	0.00		
300254	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.57477000	-80.51985800	CARNEGIE NATURAL GAS CORP	NAD27	1464.00	3449.00	0.00		
303211	Completed Wells	EQT PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56748440	-80.51665110	EQT PRODUCTION CO	NAD27	1324.00	15914.00	7564.00		
301785	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59148150	-80.52698040	DAC CORP	NAD27	1186.00	3554.00	0.00		
301802	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60425370	-80.53423800	DAC CORP	NAD27	1401.00	3594.00	0.00		
301769	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59249570	-80.53253180	DAC CORP	NAD27	1316.00	3692.00	0.00		
300635	Completed Wells/AH/NC	EQUITABLE GAS CO	UNCLASSIFIED	UNCLASSIFIED	39.58669500	-80.54029900	EQUITABLE GAS CO	NAD27	1008.00	3057.00	0.00		
372096	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.57564400	-80.51102500	UNKNOW	NAD27	0.00	0.00	0.00		
330420	Completed Wells	UNKNOW	DEVELOPMENT WELL-OIL	DEVELOPMENT WELL	39.59802100	-80.53630300	UNKNOW	NAD27	1310.00	3226.00	0.00		
300717	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59249800	-80.53278400	CONSOLIDATED GAS SUPPLY CORP	NAD27	880.00	1927.00	0.00		
301962	Completed Wells/AH/NC	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60285600	-80.55234980	EXCEL ENERGY INC	NAD27	1325.00	3633.00	0.00		
300017	Completed Wells/AH/NC	DYNATEC ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.57629400	-80.53091330	DYNATEC ENERGY INC	NAD27	848.00	711.00	0.00		
330166	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59379500	-80.54222900	HOPE NATURAL GAS	NAD27	1012.00	2215.00	0.00		
372099	Completed Wells	UNKNOW	UNCLASSIFIED	UNCLASSIFIED	39.55341900	-80.50843000	UNKNOW	NAD27	0.00	0.00	0.00		
301783	Completed Wells/AH/NC	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60105200	-80.54580100	DAC CORP	NAD27	1376.00	3555.00			

UWI	ACT_STATUS	CURR_OPER	FWL_CLASS	INIT_CLASS	LATITUDE	LONGITUDE	OPER_NAME	DATUM	ELEVATION	TOT_DEPTH	TVD
372080	Completed Wells	CARNEGIE NATURAL GAS CORP	UNCLASSIFIED	UNCLASSIFIED	39.56969000	-80.50730600	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
302817	Completed Wells	EQ1 PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.55445100	-80.50224800	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
371936	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.59960100	-80.55553000	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
302821	Completed Wells	CARNEGIE NATURAL GAS CORP	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.56649700	-80.52510300	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
302875	Completed Wells	DIVERSIFIED PRODUCTION LLC	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.58057600	-80.52922500	PHILADELPHIA OIL	NAD27	0.00	0.00	0.00
301667	Completed Wells/WHICS	ANIA RESOURCES	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.57919010	-80.52717940	UNCLASSIFIED	NAD27	1066.00	0.00	0.00
372071	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.58973100	-80.52210600	UNKNOWN	NAD27	0.00	0.00	0.00
372086	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.56548100	-80.53034900	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
371932	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.60308400	-80.54046500	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
370310	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.57868900	-80.52060700	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
370635	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.54646800	-80.49617600	UNKNOWN	NAD27	0.00	0.00	0.00
330444	Completed Wells	HOPE NATURAL GAS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.59308100	-80.53622100	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
372068	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.58436100	-80.53315900	UNKNOWN	NAD27	0.00	0.00	0.00
372089	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.56417500	-80.51573600	UNKNOWN	NAD27	0.00	0.00	0.00
300243	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	DEVELOPMENT WELL	39.57738300	-80.51180200	HOPE NATURAL GAS	NAD27	1272.00	1018.00	0.00
372093	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.56112700	-80.51423800	UNKNOWN	NAD27	0.00	0.00	0.00
300815	Completed Wells	DIVERSIFIED PRODUCTION LLC	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.56461000	-80.50880500	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
301798	Completed Wells/WHICS	DAC CORP	DEVELOPMENT WELL-DRY (INCLUDING TEMPORARILY ABANDONED WELL)	DEVELOPMENT WELL	39.60613980	-80.53690870	DAC CORP	NAD27	1525.00	2323.00	0.00
370220	Completed Wells	HOPE NATURAL GAS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.57970500	-80.52641500	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
300377	Completed Wells/WHICS	ANIA RESOURCES	DEVELOPMENT WELL-DRY (INCLUDING TEMPORARILY ABANDONED WELL)	DEVELOPMENT WELL	39.58260830	-80.52548590	EAGOH ROBINSON OIL & GAS	NAD27	1035.00	3197.00	0.00
300683	Completed Wells	CONSOLIDATED GAS SUPPLY CORP	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.57157700	-80.50936700	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	0.00	0.00
300797	Completed Wells	EQ1 PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.56790300	-80.52004500	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
372084	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.56881900	-80.52510300	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
331233	Completed Wells	CONSOLIDATED GAS SUPPLY CORP	UNCLASSIFIED	UNCLASSIFIED	39.56765800	-80.51011600	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	0.00	0.00
372081	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.57027100	-80.51573600	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
330119	Completed Wells	CARNEGIE NATURAL GAS CORP	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.59771400	-80.55590400	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
371929	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.60119700	-80.53166900	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
372083	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.57157700	-80.52510300	UNKNOWN	NAD27	0.00	0.00	0.00
371933	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.59365000	-80.53540700	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
300814	Completed Wells	EQUITABLE PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.55532700	-80.50955400	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
372070	Completed Wells	HOPE NATURAL GAS	UNCLASSIFIED	UNCLASSIFIED	39.58755400	-80.52566500	HOPE NATURAL GAS	NAD27	0.00	0.00	0.00
300286	Completed Wells	UNKNOWN	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.55053200	-80.50056200	UNKNOWN	NAD27	1171.00	3066.00	0.00
301766	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEEPER POOL WILDCAT	39.58552970	-80.54121730	DAC CORP	NAD27	871.00	2302.00	0.00
301961	Completed Wells/WHICS	XTO ENERGY INC	DEVELOPMENT WELL-OIL	DEVELOPMENT WELL	39.60512390	-80.54241940	EXCEL ENERGY INC	NAD27	1380.00	3696.00	0.00
301789	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59641480	-80.54597870	DAC CORP	NAD27	1470.00	3584.00	0.00
300631	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59409700	-80.54447900	HOPE NATURAL GAS	NAD27	1356.00	3294.00	0.00
300699	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56446500	-80.52285500	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	3154.00	0.00
301782	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60265680	-80.53971940	DAC CORP	NAD27	1424.00	3823.00	0.00
300799	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56963390	-80.50705510	CARNEGIE NATURAL GAS CORP	NAD27	1090.00	3086.00	0.00
300176	Completed Wells	PITTSBURGH & W VA GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59698800	-80.54897300	PITTSBURGH & W VA GAS	NAD27	1078.00	3135.00	0.00
300456	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59772600	-80.53753500	UNKNOWN	NAD27	1295.00	2505.00	0.00
301806	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60831680	-80.54028070	DAC CORP	NAD27	1209.00	3365.00	0.00
300699	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56446500	-80.52285500	CONSOLIDATED GAS SUPPLY CORP	NAD27	0.00	1747.00	0.00
301767	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEEPER POOL WILDCAT	39.58785160	-80.53803360	DAC CORP	NAD27	868.00	3264.00	0.00
330593	Completed Wells	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56315900	-80.50543300	CARNEGIE NATURAL GAS CORP	NAD27	1577.00	1887.00	0.00
300186	Completed Wells/WHICS	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60047900	-80.54991380	EXCEL ENERGY INC	NAD27	981.00	3310.00	0.00
330245	Completed Wells	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56185300	-80.51423800	CARNEGIE NATURAL GAS CORP	NAD27	1040.00	2908.00	0.00
330181	Completed Wells	PITTSBURGH & W VA GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.58066600	-80.53746600	PITTSBURGH & W VA GAS	NAD27	906.00	2936.00	0.00
301963	Completed Wells/WHICS	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60628400	-80.54785220	EXCEL ENERGY INC	NAD27	1224.00	3350.00	0.00
330045	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.57651200	-80.53184700	HOPE NATURAL GAS	NAD27	0.00	2146.00	0.00
300802	Completed Wells	EQ1 PRODUCTION CO	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	PSEUDO-ORIGINAL WELL - UNKNOWN CLASS	39.56983500	-80.52079400	CARNEGIE NATURAL GAS CORP	NAD27	0.00	0.00	0.00
301790	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59698800	-80.53128500	DAC CORP	NAD27	904.00	3126.00	0.00
330637	Completed Wells	PITTSBURGH & W VA GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60036000	-80.54466400	PITTSBURGH & W VA GAS	NAD27	869.00	1966.00	0.00
330993	Completed Wells	CARNEGIE NATURAL GAS CORP	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56794900	-80.51423800	CARNEGIE NATURAL GAS CORP	NAD27	1131.00	3004.00	0.00
301796	Completed Wells/WHICS	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60309190	-80.54822700	EXCEL ENERGY INC	NAD27	1003.00	3337.00	0.00
330593	Completed Wells	UNKNOWN	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.56315900	-80.50543300	UNKNOWN	NAD27	1577.00	3438.00	0.00
301799	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60613200	-80.53728000	DAC CORP	NAD27	1525.00	3629.00	0.00
301768	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	NEW POOL WILDCAT	39.59539970	-80.53953300	DAC CORP	NAD27	1285.00	3679.00	0.00
300254	Completed Wells	EQ1 PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.57477000	-80.51985800	CARNEGIE NATURAL GAS CORP	NAD27	1464.00	3449.00	0.00
301785	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59148150	-80.52698040	DAC CORP	NAD27	1186.00	3554.00	0.00
301802	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60425370	-80.53428680	DAC CORP	NAD27	1401.00	3594.00	0.00
301769	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	NEW POOL WILDCAT	39.59249570	-80.53953180	DAC CORP	NAD27	1376.00	3692.00	0.00
300535	Completed Wells	EQUITABLE GAS CO	UNCLASSIFIED	UNCLASSIFIED	39.58669500	-80.54203900	EQUITABLE GAS CO	NAD27	1008.00	3057.00	0.00
372096	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.55764400	-80.51105300	UNKNOWN	NAD27	0.00	0.00	0.00
330420	Completed Wells	UNKNOWN	DEVELOPMENT WELL-OIL	DEVELOPMENT WELL	39.59801600	-80.55630300	UNKNOWN	NAD27	1310.00	3226.00	0.00
300717	Completed Wells	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59248900	-80.53278400	CONSOLIDATED GAS SUPPLY CORP	NAD27	880.00	1927.00	0.00
301962	Completed Wells/WHICS	XTO ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60265600	-80.55234980	EXCEL ENERGY INC	NAD27	1325.00	3633.00	0.00
302017	Completed Wells/WHICS	DYNATEC ENERGY INC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.57622940	-80.53091330	DYNATEC ENERGY INC	NAD27	948.00	711.00	0.00
330166	Completed Wells	HOPE NATURAL GAS	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.59379500	-80.54222900	HOPE NATURAL GAS	NAD27	1012.00	2215.00	0.00
372099	Completed Wells	UNKNOWN	UNCLASSIFIED	UNCLASSIFIED	39.55241900	-80.50843000	UNKNOWN	NAD27	0.00	0.00	0.00
301783	Completed Wells/WHICS	DIVERSIFIED PRODUCTION LLC	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.60105200	-80.54560100	DAC CORP	NAD27	1376.00	3555.00	0.00

UWI	ACT_STATUS	CURR_OPER	FWL_CLASS	INIT_CLASS	LATITUDE	LONGITUDE	OPER_NAME	DATUM	ELEVATION	TOT_DEPTH	TVD	WELL_NAME	WELL_NUM
47103026170000	Completed Wells	EQ1 PRODUCTION CO	DEVELOPMENT WELL-GAS	DEVELOPMENT WELL	39.55563000	-80.52162000	EQ1 PRODUCTION CO	NAD27	941.00	1076.00	7117.00	WW 511423 ALLEN J M	WW 511423

TH: 4670' LAT: 39-35-00

TH: 5764' LON: 80-30-00



- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- - - Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

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



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

Ben R. Singleton
P.S. 2092



SEAL

FILE NO: 125-16
DRAWING NO: BIG464 11H
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

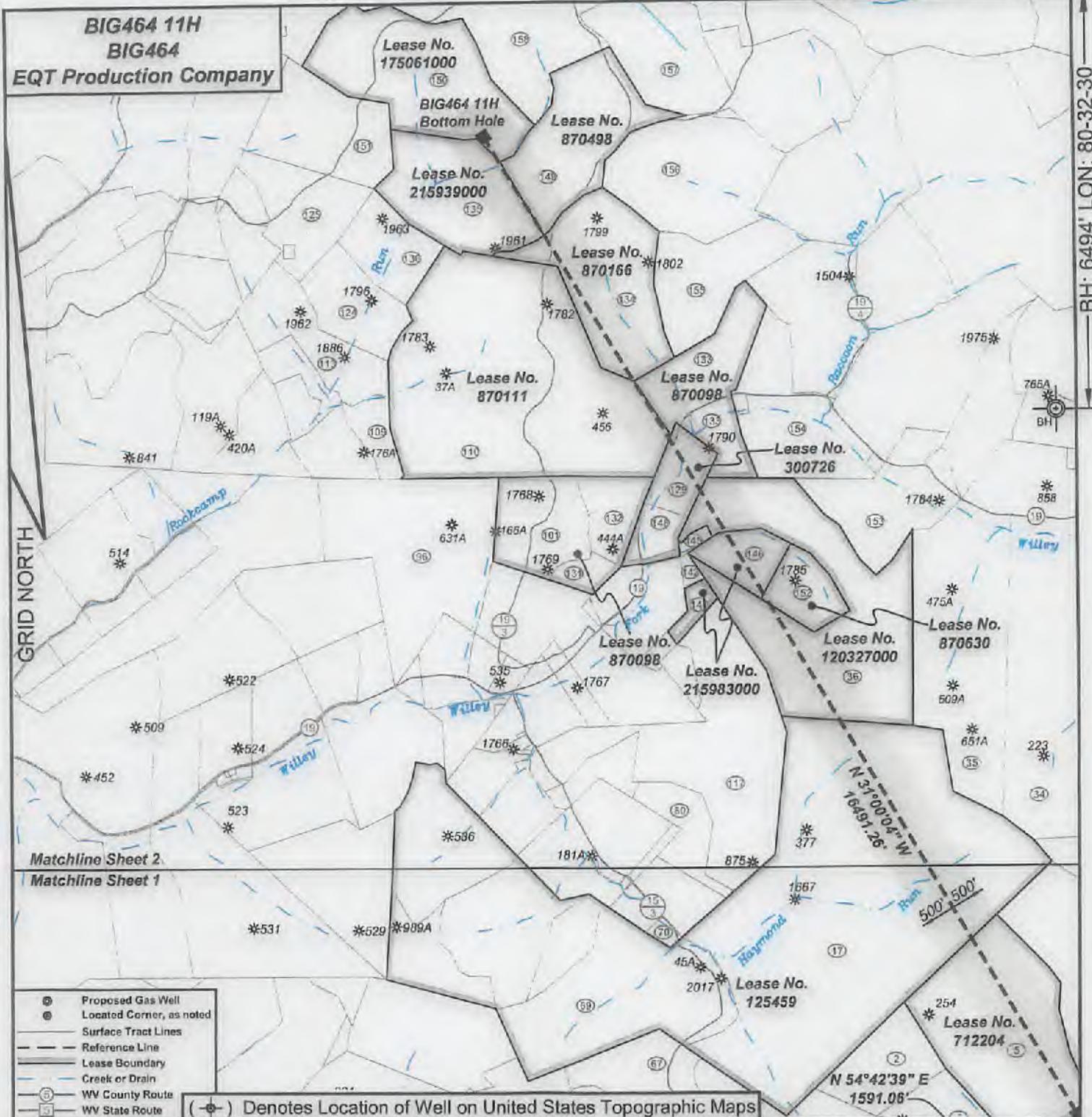
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: January 27 20 22
OPERATOR'S WELL NO.: BIG464 11H
API WELL NO. MWD
47 - 103 - 03436
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1246.8' WATERSHED: Willey Fork QUADRANGLE: Big Run
DISTRICT: Grant COUNTY: Wetzel
SURFACE OWNER: EQT Production Company ACREAGE: 25.25
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32
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: 7,394'

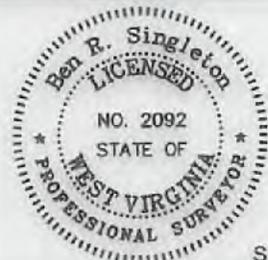
02/11/2022

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
Canonsburg, PA 15317 Bridgeport, WV 26330



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.

Ben R. Singleton
P.S. 2092



SEAL

FILE NO: 125-16
 DRAWING NO: BIG464 11H
 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: January 27 20 22
 OPERATOR'S WELL NO.: BIG464 11H
 API WELL NO. 1609
 47 103 03436
 STATE COUNTY PERMIT

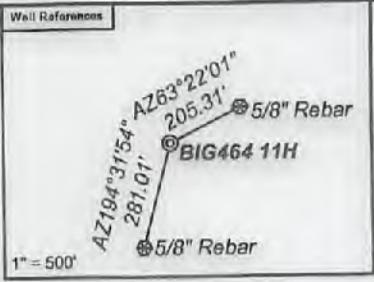
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: 1246.8' WATERSHED Willey Fork QUADRANGLE: Big Run
 DISTRICT: Grant COUNTY: Wetzel
 SURFACE OWNER: EQT Production Company ACREAGE: 25.25
 ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32
 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: 7,394'

02/11/2022

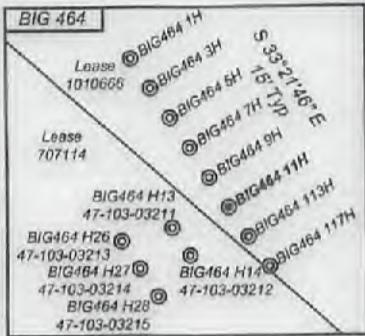
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
 ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
 Canonsburg, PA 15317 Bridgeport, WV 26330

BIG464 11H
BIG464
EQT Production Company

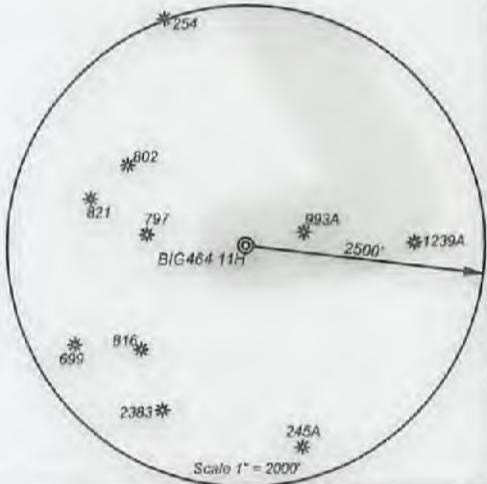
Tract ID	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	14	34	Wetzel	Grant	EQT Production Company	25.25
2	20	1	Wetzel	Grant	Coastal Forest Resources Company	520.00
3	15	27	Wetzel	Grant	Beverly Lynn Barr Life Estate	10.00
4	14	27	Wetzel	Grant	EQT Production Company	22.00
5	14	20	Wetzel	Grant	EQT Production Company	128.50
6	15	16	Wetzel	Grant	Donald J. D'Lusky	25.00
7	14	45	Wetzel	Grant	Coastal Forest Resources Company	11.00
8	14	44	Wetzel	Grant	Mabel F. Barr	11.00
9	14	43	Wetzel	Grant	Mabel F. Barr	11.01
10	14	42	Wetzel	Grant	Donald J. D'Lusky	111.00
11	14	33	Wetzel	Grant	Abbe H. & Hilda B. Conway	108.00
16	14	32	Wetzel	Grant	Mary Jane Byard	15.30
17	14	6	Wetzel	Grant	Coastal Forest Resources Company	302.60
18	15	10	Wetzel	Grant	William Bowers, et al.	39.50
10	15	12	Wetzel	Grant	William Bowers & Donald J. D'Lusky	147.80
27			Wetzel	Grant	No Tax Map & Parcel Information	
31	15	5	Wetzel	Grant	William Bowers, et al.	43.20
34	10	28	Wetzel	Grant	Coastal Forest Resources Company	167.00
35	9	39	Wetzel	Grant	Coastal Forest Resources Company	128.00
36	9	38	Wetzel	Grant	Terry L. & Carolyn M. Fry	155.08
65	14	28	Wetzel	Grant	Mary Jane Byard	14.50
67	14	25	Wetzel	Grant	ET Blue Grass, LLC	35.88
68	14	19	Wetzel	Grant	Coastal Forest Resources Company	138.88
70	14	13	Wetzel	Grant	Coastal Forest Resources Company	2.80
80	14	5	Wetzel	Grant	Dale K. & Sherry Dulaney	21.50
99	9	23	Wetzel	Grant	Stephen B. & Carolyn M. Gentz	119.00
101	9	24	Wetzel	Grant	John D. Parks, et al.	40.00
109	9	18	Wetzel	Grant	W. K. Willey Estate	13.40
110	9	10	Wetzel	Grant	William B. & Pamela Franck	203.37
113	9	5	Wetzel	Grant	James A. Yoho	45.08
117	9	61	Wetzel	Grant	Jimbobs Quiet Mountain Retreat	114.10
124	9	7	Wetzel	Grant	James D. & Collette J. Swets	34.00
125	4	7	Wetzel	Grant	Earl Stoneking	45.58
129	9	82	Wetzel	Grant	William B. & Pamela S. Franck	30.59
131	9	25	Wetzel	Grant	Deborah Fronczek & John Parks	6.98
132	9	25.1	Wetzel	Grant	William B. & Pamela S. Franck	23.20
133	9	11	Wetzel	Grant	Elizabeth Amundson, et al.	53.37
134	9	2	Wetzel	Grant	Liberty Holding Company	74.50
135	4	8	Wetzel	Grant	James A. Yoho	83.00
136	4	15	Wetzel	Grant	James A. Yoho	30.08
141	9	35	Wetzel	Grant	Terry L. & Carolyn M. Fry	8.25
142	9	34	Wetzel	Grant	Terry L. & Carolyn M. Fry	3.25
145	9	32.1	Wetzel	Grant	Terry L. & Carolyn M. Fry	3.40
149	9	30	Wetzel	Grant	Terry L. & Carolyn M. Fry	15.00
149	9	28	Wetzel	Grant	Elizabeth L. Taylor, et al.	10.06
149	20	38	Wetzel	Center	William B. Franck, Sr. & Pamela Spinoso	66.58
150	4	5	Wetzel	Grant	James Daniel Kennedy	600.00
151	4	4	Wetzel	Grant	Ralph D. Thacker & Maurice J. Cartledge, Jr.	53.50
152	9	37	Wetzel	Grant	Terry L. & Carolyn M. Fry	25.00
153	9	27	Wetzel	Grant	David D. Barr, et al.	47.17
154	9	21	Wetzel	Grant	Gregory & Michael Oulmey	59.00
155	9	3	Wetzel	Grant	William B. Franck, Sr. & Pamela Spinoso	50.00
158	4	10	Wetzel	Grant	William B. Franck, Sr. & Pamela Spinoso	76.78
157	20	35	Wetzel	Center	Rachel Elizabeth Wyatt	54.00
182	20	33	Wetzel	Center	Myrna L. Phelps Trust	88.00



Notes:
BIG464 11H coordinates are
NAD 27 N: 390,430.90 E: 1,713,422.72
NAD 83 UTM N: 4,379,877.75 E: 541,541.28
BIG464 11H Landing Point coordinates are
NAD 27 N: 391,350.06 E: 1,714,721.42
NAD 27 Lat: 39.570073 Long: -80.511996
NAD 83 UTM N: 4,380,164.40 E: 541,932.28
BIG464 11H Bottom Hole coordinates are
NAD 27 N: 405,485.67 E: 1,705,227.53
NAD 27 Lat: 39.608613 Long: -80.542707
NAD 83 UTM N: 4,384,427.74 E: 539,272.78
West Virginia Coordinate 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.

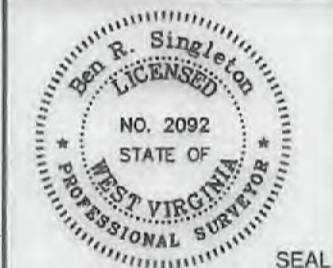


Lease No.	Owner	Acres
712204	Janice E. Nolan, et al.	120
1010666	Ridgetop Royalties, LLC, et al.	25
125459	Randel J. Hartman, et al.	693
120327000	OXY USA Inc., et al.	158.5
870630	AMP Fund III, LP., et al.	25
215983000	The Mineral Company LLC	21.25
300726	Emma Joyce Dahlin Anderson, et al.	43
870111	Three Rivers Royalty II, LLC, et al.	234
870098	Emma Joyce Dahlin Anderson, et al.	196.5
870166	Liberty Holding Company	74
870498	William B. Franck and Pamela S. Franck, Trustees of The William B. and Pamela S. Franck Joint Revocable Living Trust, dated 2/12/2018	67
215939000	James Arthur Yoho, et al.	82.75
175061000	OXY USA Inc., et al.	31,151.581



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.

Ben R. Singleton
P.S. 2092



FILE NO: 125-16
DRAWING NO: BIG464 11H
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: January 27 20 22
OPERATOR'S WELL NO.: BIG464 11H
API WELL NO MOD
47 - 103 - 03436
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1246.8' WATERSHED: Wiley Fork QUADRANGLE: Big Run
DISTRICT: Grant COUNTY: Wetzel
SURFACE OWNER: EQT Production Company ACREAGE: 25.25
ROYALTY OWNER: Ridgetop Royalties, LLC, et al. LEASE NO: 1010666 ACREAGE: 32
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: 7,394'

WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 115 Professional Place PO Box 280
Canonsburg, PA 15317 Bridgeport, WV 26330

WW-6A1
(5/13)

Operator's Well No. BIG464 11H

**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 Attachment				

**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 *John F. Zavatchan Jr.*
 Its: Project Specialist - Permitting



January 21, 2022

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

Re: BIG464 11H 6A1 Addendum

Dear Mr. Brewer,

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

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

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

Sincerely,

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

John Zavatchan
Project Specialist - Permitting

Enc.

02/11/2022

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>1010666</u>	<u>Ridgetop Royalties, LLC, et al.</u> Ridgetop Royalties, LLC	32 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 166A/638
<u>712204</u>	<u>Janice E. Nolan, et al.</u> T. J. Glover, single, and Daniel Glover, single Carnegie Natural Gas Company Carnegie Production Company	120 ac	Carnegie Natural Gas Company Carnegie Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 19A/380 OG 78A/513 WV SOS
<u>1010668</u>	<u>Ridgetop Royalties, LLC et al.</u> Ridgetop Royalties, LLC	25 ac	EQT Production Company	at least 1/8th per WV Code 22-6-8	OG 248A/272
<u>125459</u>	<u>Randel J. Hartman, et al.</u> Virginia Myers and William S. Myers, her husband, et al Equitable Gas Company Columbia Gas Transmission Corporation Columbia Natural Resources, Inc. Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. Statoil USA Onshore Properties, Inc. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties LLC Antero Resources Corporation	693 ac	Equitable Gas Company Columbia Gas Transmission Corporation Columbia Natural Resources, Inc. Columbia Natural Resources, LLC Chesapeake Appalachia, L.L.C. Statoilhydro USA Onshore Properties Inc. 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 47A/16 OG 64A/442 OG 72A/368 Corp. 12/622 DB 402/446 OG 97A/578 WV SOS OG 157A/540 OG 158A/801 Corp. 13/296 OG 177A/533 OG 177A/738 Corp. 13/311 OG 227A/932
<u>120327000</u>	<u>OXY USA Inc., et al.</u> BRC Appalachian Minerals I LLC and BRC Minerals LP BRC Working Interest Company	158.5 ac	BRC Working Interest Company LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 102A/505 & 103A/320 OG 271A/94

	<u>AMP Fund III, LP, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>870630</u>	Alice Hoskinson Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	25 ac	Drilling Appalachian Corp Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company		OG 78A/300 OG 118A/108 & 136A/538 OG 138A/1 OG 138A/54 OG 175A/707
	<u>The Mineral Company LLC</u>			"at least 1/8th per WV Code 22-6-8"	
<u>215983000</u>	The Mineral Company LLC	21.25 ac	EQT Production Company		OG 274A/540
	<u>Emma Joyce Dahlin Anderson, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>300726</u>	Leroy Taylor and Malinda Taylor, his wife Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Eastern States Oil and Gas, Inc. Blazer Energy Corp. Eastern States Oil & Gas, Inc. Eastern States, Inc. Equitable Production-Eastern States, Inc. Equitable Production Company	43 ac	Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Eastern States Oil and Gas, Inc. Blazer Energy Corp. Eastern States Oil and Gas, Inc. Eastern States, Inc. Equitable Production-Eastern States, Inc. Equitable Production Company EQT Production Company		OG 5A/248 DB 233/387 OG 66A/69 WV SOS OG 76A/232 Corp. 12/253 Corp. 12/259 WV SOS WV SOS WV SOS Corp. Book 13/14
	<u>Three Rivers Royalty II, LLC, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>870111</u>	Harry W. Taylor and Myrtle Taylor, his wife M. P. Wells W. D. Brookover, Jr., (lawful successor-in-interest to W. D. Brookover) Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	234 ac	M. P. Wells W. D. Brookover Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company		OG 42A/213 OG 42A/216 OG 77A/638 OG 118A/108 & 136A/538 OG 138A/1 OG 138A/54 OG 175A/707

	<u>Emma Joyce Dahlin Anderson, et al.</u>				"at least 1/8th per WV Code 22-6-8"
<u>870098</u>	Pershing R. Taylor, a widower, et al Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	196.5 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company	OG 77A/88 OG 118A/108 & 136A/538 OG 138A/1 OG 138A/54 OG 175A/707	
	<u>Liberty Holding Company</u>				"at least 1/8th per WV Code 22-6-8"
<u>870166</u>	Liberty Holding Company, Inc. Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	74 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company	OG 78A/486 OG 118A/108 & 136A/538 OG 138A/1 OG 138A/54 OG 175A/707	
	<u>William B. Francik and Pamela S. Francik, Trustees of The William B. and Pamela S. Francik Joint Revocable Living Trust, dated 2/12/2018</u>				"at least 1/8th per WV Code 22-6-8"
<u>870498</u>	William B. Francik Sr. and Pamela S. Francik, husband and wife Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc., et al	67 ac	Drilling Appalachian Corporation Grenadier Energy Partners, LLC Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. Statoil USA Onshore Properties, Inc. EQT Production Company	OG 77A/281 OG 126A/970 OG 138A/1 OG 138A/54 OG 153A/640 OG 175A/707	
	<u>James Arthur Yoho, et al</u>				"at least 1/8th per WV Code 22-6-8"
<u>215939000</u>	James Arthur Yoho, a widower	62.75 ac	EQT Production Company	OG 274A/543	

<u>175061000</u>	<u>OXY USA Inc., et al.</u>	31,151.581 ac	BRC Working Interest Company LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC SWN Exchange Titleholder 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 & 103A/320 OG 103A/470 OG 120A/109 OG 157A/540 OG 158A/801 Corp. 13/296 OG 177A/533 OG 177A/738 Corp. 13/311 OG 231A/22
	BRC Appalachian Minerals I LLC BRC Working Interest Company LLC Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties LLC Antero Resources Corporation				

WW-6A1 addendum attachment

Operator's Well No.

BIG464 11H

Lease No.	Grantor, Lessor, etc.		Grantee, Lessee, etc.	Royalty	Book/Page
<u>707114</u>	<u>Ridgetop Royalties, LLC, et al.</u> W. S. Furbee and Mary Furbee, his wife Carnegie Natural Gas Company Carnegie Production Company	78 ac	Carnegie Natural Gas Company Carnegie Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 2A/182 OG 78A/513 WV SOS



January 21, 2022

Via FedEx Overnight

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

RE: Well Work Permit Modification
BIG464 11H Well
Permit Number 47-103-03436
Grant District, Wetzel County, WV

RECEIVED
Office of Oil and Gas

JAN 24 2022

WV Department of
Environmental Protection

WVDEP Recipient,

Attached please find following information to modify the existing Well Work Permit for this well:

- Check in the amount of \$2,500 for the permit fee
- Check in the amount of \$2,500 for the expedited permit fee
- Completed Form WW-6B and supporting documents, approved by the Oil and Gas Inspector
- Revised Well Bore Diagram
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation
- Hydraulic Fracturing Monitoring Plan

ck# 0000590917

ck# 0000591361

\$2500 x 2

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

02/11/2022



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

Modification Horizontal H6A Well Work Permit (API: 47-103-03431, 03432, 03433, 03434, 03435, 03436, 03437)

1 message

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

Thu, Feb 3, 2022 at 12:00 PM

To: John <JZavatchan@eqt.com>, Todd <tklaner@eqt.com>, "Shrum, Becky" <bshrum@eqt.com>, Olivia Pishioneri <opishioneri@eqt.com>, Erin Spine <espine@eqt.com>, "Harris, Bryan O" <bryan.o.harris@wv.gov>, Scott Lemley <slemley@wvassessor.com>

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

47-103-03431 - BIG 464 1H
47-103-03432 - BIG 464 3H
47-103-03433 - BIG 464 5H
47-103-03434 - BIG 464 7H
47-103-03435 - BIG 464 9H
47-103-03436 - BIG 464 11H
47-103-03437 - BIG 464 113H

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

Thank you,

Wade A. Stansberry
Environmental Resource Specialist 3
West Virginia Department of Environmental Protection
Office of Oil & Gas
601 57th St. SE
Charleston, WV 25304
(304) 926-0499 ext. 41115
(304) 926-0452 fax
Wade.A.Stansberry@wv.gov

7 attachments

-  47-103-03434 - mod.pdf
1369K
-  47-103-03433 - mod.pdf
1512K
-  47-103-03435 - mod.pdf
1538K
-  47-103-03431 - mod.pdf
1655K
-  47-103-03436 - mod.pdf
1664K
-  47-103-03437 - Copy.pdf
1556K
-  47-103-03432 - mod.pdf
1664K

02/11/2022