



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

Friday, April 4, 2025
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit Modification Approval for ELLIOTT 12H
47-049-02558-00-00

Extended lateral length and adding an AST

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: ELLIOTT 12H
Farm Name: MARION COUNTY COAL RESOURCES INC.
U.S. WELL NUMBER: 47-049-02558-00-00
Horizontal 6A New Drill
Date Modification Issued: 4/4/2025

Promoting a healthy environment.

04/04/2025

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

1) Well Operator: <u>EQT Production Company</u>	306686	Marion	Manningt	Glover Gap
	Operator ID	County	District	Quadrangle

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

3) Farm Name/Surface Owner: Marion County Coal Resources Inc. Public Road Access: CR 5

4) Elevation, current ground: 1,342' (pad built) Elevation, proposed post-construction: 1,342'

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, 7,796', 78', 2593 psi

8) Proposed Total Vertical Depth: 7,796'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 13,515'

11) Proposed Horizontal Leg Length: 4,914'

12) Approximate Fresh Water Strata Depths: 202', 287', 338'

13) Method to Determine Fresh Water Depths: Offset Wells - 47-049-01477, 47-049-02498, 47-049-01478

14) Approximate Saltwater Depths: 1,797', 1,909', 1,945', 2,412'

15) Approximate Coal Seam Depths: 870'-875', 969'-977'

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: _____

CK# 0000 608669
\$ 2500⁰⁰
2/7/2025

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18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	A252	85.6	53	53	97 ft ³ / CTS
Fresh Water	13 3/8	New	J-55	54.5	1038	1038	1016 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2493	2493	1021 ft ³ / CTS
Production	5 1/2	New	P-110	20	13515	13515	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	1.18
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class L	1.13
Coal							
Intermediate	9 5/8	12 3/8 - 12 1/4	0.352	3520	2816	Class L	1.08
Production	5 1/2	8 3/4 - 8 1/2	0.361	14360	11488	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

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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): 27.35 Acres

22) Area to be disturbed for well pad only, less access road (acres): 10.47 Acres

23) Describe centralizer placement for each casing string:

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

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

Conductor: 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. If applicable: Gas Migration Control Additive, Cement Retarder

Production: Calcium Carbonate, Fluid Loss, Extender, Dispersent, Viscosifier, Defoamer, POZ, Bonding Agent, Environmental Protection

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.

Kenny Willett

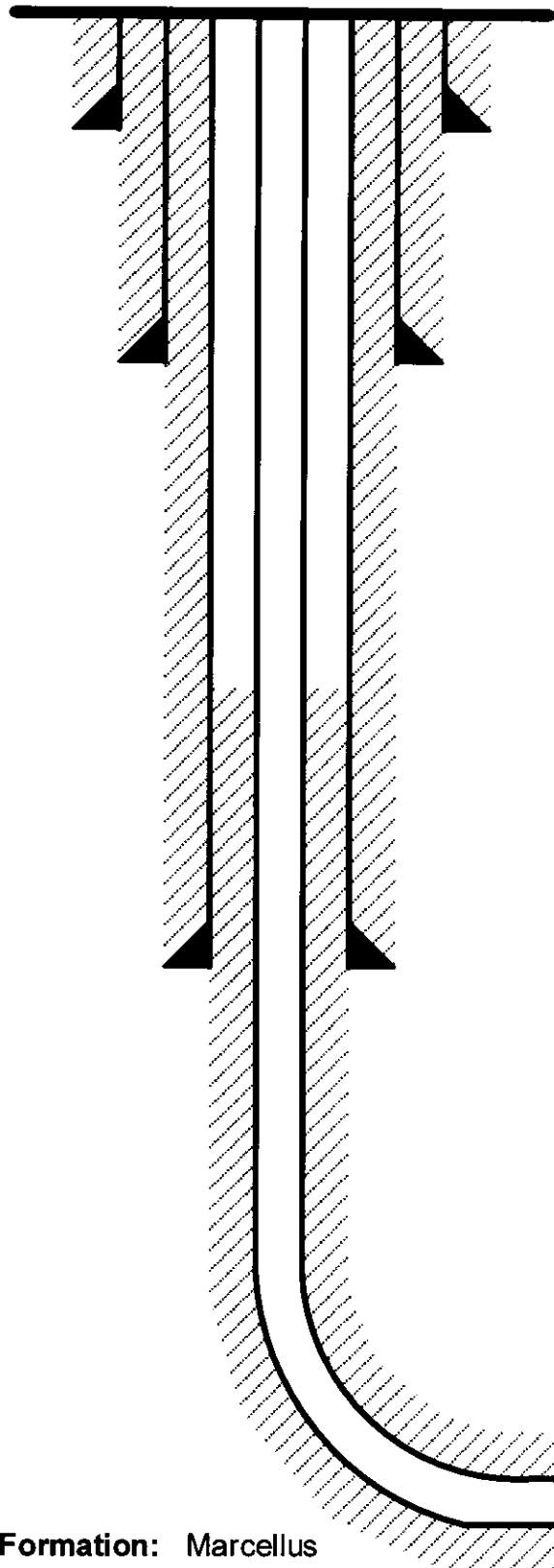
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EQT Production**Wellbore Diagram**

Well: Elliot 12H
Pad: Elliot
Elevation: 1342' GL 1355' KB

County: Marion
State: West Virginia



Conductor @ 53'

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

Surface @ 1,038'

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

Intermediate @ 2,493'

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

Production @ 13,515' MD / 7,796' TVD

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

Formation: Marcellus

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NOT TO SCALE

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Elliott
Elliott South
S-000536

Drilling Objectives:

County:

Elevation:

Recommended Azimuth

Marcellus

Marion

1355 KB

157 Degrees

1342

GL

Coal requirements:

Elliott wells are located in an existing perimeter barrier of the active Harrison County Mine (Pittsburgh #8 coal seam) Notify Consolidation Coal Company/Murray American Energy, Inc at least two weeks prior to commencement of well drilling Run a well deviation survey from the surface to the drilled depth approximately 20' above the Pittsburgh #8 coal seam and promptly provide the certified results of the deviation survey. Well shall be limited to a total deviation not to exceed 1%

ESTIMATED FORMATION TOPS Derived From: Carnegie 5H 4704902522, Beatty 2H 4704902251

Formation	Top (TVD)	Base (TVD)	Lithology	Comments
Fresh Water Zone	1	338		FW @ 202,287,338,
Sewickley Coal	870	875 Coal		Solid Coal/Not Mined
Pittsburgh Coal	969	977 Coal		Solid Coal
Big Lime	2402	2476 Limestone		SW @ 1797,1909,1945,2412
Big Injun	2476	2577 Sandstone		
Int. csg pt	2485			Casing point depth determined from Elliott North wells Gas shows @ 2412,2932,3026,3085,3164,3360,4755, .
Gantz	3066	3192 Sandstone		
50F	3120	3174 Silty Sand		
Fifth Sand	3301	3353 Silty Sand		
Bayard	3398	3433 Silty Sand		
Alexander	5810	5859 Silty Sand		Base of Offset Well Perforations at 4755' TVD
Elks	6193	7216 Gray Shales and Silts		
Sonyea	7216	7413 Gray shale		
Middlesex	7413	7480 Shale		
Genesee	7480	7582 Gray shale interbedded		
Genesee	7582	7620 Black Shale		
Tully	7620	7656 Limestone		
Hamilton	7656	7757 Gray shale with some		
Marcellus	7757	7835 Black Shale		
Purcell	7800	7802 Limestone		
-Lateral Zone	7796			Start Lateral at 7796'
Cherry Valley	7815	7817 Limestone		
Onondaga	7835	Limestone		

Top RR Base RR
No red rock reported on offsets

Target Thickness	78 feet
Max Anticipated Rock Pressure	2593 PSI

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.

LATERAL DRILLING TOLERANCES

Mapview - Lateral:

Deviate as little as possible to the left or right of the planned wellbore.

Mapview - TD:

DO NOT EXTEND beyond recommended wellbore to avoid lease line.

RECOMMENDED CASING POINTS

Conductor:	CSG OD	26"	CSG DEPTH:	40	40	FW NEEDS UPDATED WITH EQT SAMPLING PRIOR TO DRILLING
Fresh Water/Coal	CSG OD	13 3/8"	CSG DEPTH:	1027	1014	50 ft below mineable coal
Intermediate 1:	CSG OD	9 5/8"	CSG DEPTH:	2485	2472	Based on casing set depth on Elliott North
Production:	CSG OD	5 1/2"	CSG DEPTH:	@ TD	@ TD	

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EQT Production
Hydraulic Fracturing Monitoring Plan
Pad ID: Elliott
County: Marion

March 5, 2025

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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 Marion County, WV prior to hydraulic fracturing at the following EQT wells on the Elliott pad: 2H, 4H, 6H, 8H, 10H, 12H, 14H & 16H.

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

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

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

1. Communications with Well Operators

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

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

EQT will recommend to these operators at a minimum to:

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

2. Reporting

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

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EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

Elliott

Vertical Offsets and
Foreign Laterals
within 500 Feet

Legend

Well Lateral_FM

Formation

Genesee

Marcellus

Utica

Elliott_Offset_Wells

2500 1250 0 2500



Scale: 1 Inch = 2500 Feet

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.

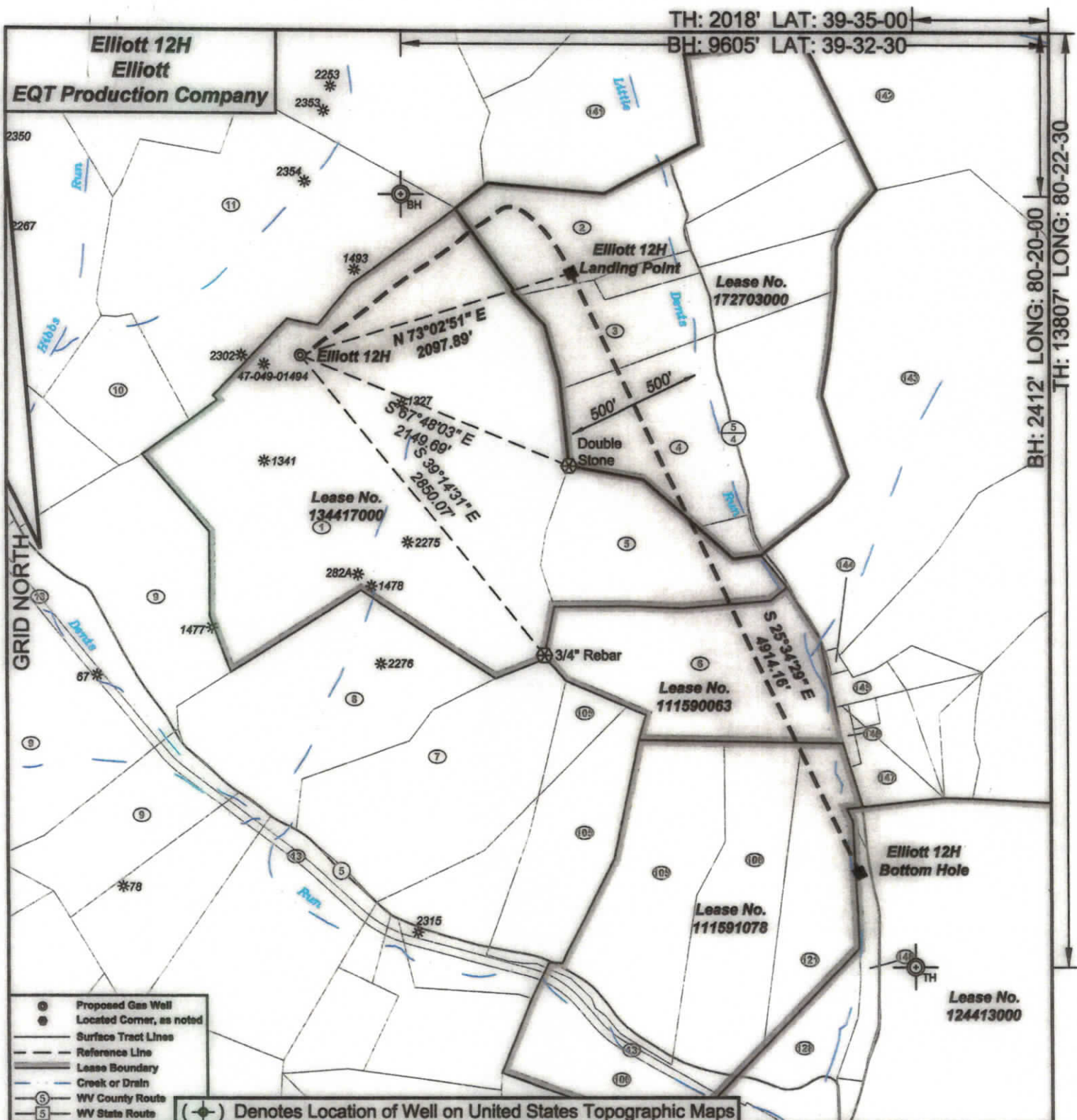
1 Inch = 116,000 Feet



04/04/2025

UWI	ABAND_DATE	CURR_OPER	ELEV_RF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_TD	SPUD_DATE	ELEVATION	TOT_DEPTH
014930000	9/16/2013	Consolidation Coal Company	GR	Glover Gap	DEVELOPMENT WELL-GAS	39.54707900	-80.37989800	Consol	0.00000000	5/7/2004	1340.00	3420.00
014940000	NA	Elliott and Stafford	GR	Glover Gap	DEVELOPMENT WELL-GAS	39.54542400	-80.38304800	Falcon Holdings	0.00000000	4/28/2004	1311.00	3350.00
023020000	Cancelled		GR	Glover Gap	N/A	39.54520800	-80.38205000	Trans Energy	0.00000000	7/31/2001	1280.00	7200.00
024110000	1/27/2017	Consolidation Coal Company	GR	Glover Gap	N/A	39.54605100	-80.36467200	DAC	0.00000000	N/A	1075.00	N/A
013270000	10/23/2013	Consolidation Coal Company	GR	Glover Gap	DEVELOPMENT WELL-GAS	39.54433400	-80.37872300	RIAL Inc.	0.00000000	10/19/2001	1461.00	5010.00
013410000	NA	Elliott and Stafford	GR	Glover Gap	DEVELOPMENT WELL-GAS	39.63398000	-80.53075000	RIAL Inc.	0.00000000	10/5/2001	1090.00	3360.00
023990000	5/12/2015	Consolidation Coal Company	GR	Glover Gap	N/A	39.54314700	-80.36423300	N/A	0.00000000	N/A	1293.00	N/A
023960000	4/27/2015	Consolidation Coal Company	GR	Glover Gap	N/A	39.54298300	-80.36228000	N/A	0.00000000	N/A	1170.00	3340.00
023980000	5/14/2015	Consolidation Coal Company	GR	Glover Gap	N/A	39.54163700	-80.36647000	N/A	0.00000000	N/A	1113.00	N/A
022750000	2/5/2014	Consolidation Coal Company	GR	Glover Gap	N/A	39.54151200	-80.37849300	N/A	0.00000000	N/A	1148.00	N/A
02397000	5/14/2015	Consolidation Coal Company	GR	Mannington	N/A	39.54150900	-80.36456200	N/A	0.00000000	N/A	1193.00	N/A
014780000	2/27/2014	Elliott and Stafford	GR	Glover Gap	DEVELOPMENT WELL	39.54061600	-80.37944300	Falcon Holdings	0.00000000	2/28/2004	1097.00	3190.00
014770000	2/6/2014	Consolidation Coal Company	GR	Glover Gap	DEVELOPMENT WELL	39.53979200	-80.38359300	Falcon Holdings	0.00000000	3/25/2004	1177.00	3361.00
000670000	6/6/2014	Consolidation Coal Company	GR	Glover Gap	DEVELOPMENT WELL	39.53884300	-80.38662700	Elliott Samuel	0.00000000	1/14/1937	990.00	2812.00
022760000	2/12/2014	Consolidation Coal Company	GR	Glover Gap	N/A	39.53908300	-80.37916600	N/A	0.00000000	N/A	1178.00	N/A
018400000	Cancelled		GR	Glover Gap	DEVELOPMENT WELL-GAS	39.53885000	-80.37593100	Linn Operating	0.00000000	N/A	N/A	N/A
023750000	7/19/2017	Consolidation Coal Company	GR	Mannington	N/A	39.53969200	-80.36668500	Consolidation Coal Company	0.00000000	8/5/2003	1054.00	N/A
23710000	6/27/2017	Consolidation Coal Company	GR	Mannington	N/A	39.53721100	-80.36443900	Consolidation Coal Company	0.00000000	N/A	1299.00	N/A
018410000	unknown	Consolidation Coal Company	GR	Glover Gap	Unclassified	39.53624000	-80.37705500	Linn Operating	0.00000000	unknown	1300.00	3275.00
000780000	6/11/2015	Consolidation Coal Company	GR	Glover Gap	Unclassified	39.53541500	-80.38756500	Samuel Elliott	0.00000000	10/1/1938	1197.00	3394.00
023150000	6/4/2015	Consolidation Coal Company	GR	Glover Gap	N/A	39.53376200	-80.37818900	Consolidation Coal Company	0.00000000	N/A	988.00	N/A
023040000	6/3/2014	Consolidation Coal Company	GR	Mannington	N/A	39.53614200	-80.36344800	Consolidation Coal Company	0.00000000	N/A	1265.00	N/A
023050000	5/22/2014	Consolidation Coal Company	GR	Mannington	N/A	39.53596900	-80.35977200	Consolidation Coal Company	0.00000000	N/A	1176.00	N/A
023770000	5/30/2017	Consolidation Coal Company	GR	Mannington	N/A	39.53555900	-80.35569100	Consolidation Coal Company	0.00000000	N/A	1405.00	N/A
00263000	NA	East Resources	GR	Mannington	Unsuccessful	39.53032100	-80.36864600	Wolfs Head Oil	0.00000000	6/18/2007	977.00	2930.00
002750000	NA	East Resources	GR	Mannington	Unsuccessful	39.52760900	-80.36686300	Wolfs Head Oil	0.00000000	11/1/1964	972.00	2810.00
024030000	NA	West Virginia Land Resources	GR	Unknown	DEVELOPMENT WELL-GAS	Unknown	Unknown	Consolidation Coal Company	0.00000000	unknown	unknown	unknown
004600000	7/8/2011	East Resources	GR	Mannington	DEVELOPMENT WELL-GAS	39.52318900	-80.36422200	Pennzoil	0.00000000	6/25/1925	1195.00	3133.00
001150000	NA	Eastern Gas	GR	Mannington	DEVELOPMENT WELL-OIL	39.52483300	-80.35597100	Hope	0.00000000	3/1/1944	1084.00	2715.00
009240000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.51927400	-80.34905500	Pennzoil	0.00000000	N/A	N/A	N/A
008400000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.51637400	-80.35317300	Pennzoil	0.00000000	6/13/1925	N/A	N/A
005210000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.51564800	-80.34849300	Pennzoil	0.00000000	7/5/1914	1416.00	3295.00
009210000	NA	DIVERSIFIED	GR	Mannington	DEVELOPMENT WELL-OIL	39.55352900	-80.31733000	Pennzoil	0.00000000	6/8/1917	1271.00	2186.00
004660000	8/3/2012	Consolidation Coal Company	GR	Glover Gap	Unclassified	39.54850900	-80.46438200	Pennzoil	0.00000000	9/23/1890	1107.00	1984.00
009320000	NA	Unknown	GR	Mannington	Unclassified	39.51579400	-80.37077200	Clowser Well Service	0.00000000	unknown	unknown	unknown
005550000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.51231300	-80.35073900	Pennzoil	0.00000000	8/23/1891	1107.00	2126.00
002400000	NA	DIVERSIFIED	GR	Mannington	Unsuccessful	39.51187500	-80.34835400	South Penn Oil	0.00000000	N/A	1052.00	2071.00
004590000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.51173300	-80.35223600	Pennzoil	0.00000000	9/3/1891	1235.00	2128.00
005910000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.51042800	-80.34867900	Pennzoil	0.00000000	7/16/1894	1361.00	2229.00
005930000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.50897800	-80.34587100	Pennzoil	0.00000000	12/16/1895	1120.00	1995.00
007490000	10/11/1983	Eastern Associated	GR	Mannington	Unclassified	39.50883300	-80.34605800	Eastern Associated	0.00000000	10/11/1983	1121.00	3394.00
005540000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.50810800	-80.34736800	Pennzoil	0.00000000	5/30/1905	1152.00	2010.00
004580000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.50825300	-80.35729000	Pennzoil	0.00000000	8/1/1893	1359.00	2238.00
008420000	NA	Ross and Wharton	GR	Mannington	Unclassified	39.50738300	-80.36028500	Flaggy Meadow Oil	0.00000000	9/17/1891	1151.00	N/A
005740000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.50665800	-80.35766400	Pennzoil	0.00000000	9/20/1895	1493.00	2372.00
007320000	NA	Eastern Associated	GR	Mannington	Unclassified	39.50665800	-80.34718100	Eastern Associated	0.00000000	N/A	1117.00	N/A
005310000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.50520800	-80.35579100	Pennzoil	0.00000000	12/17/1896	1332.00	2201.00
005300000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.50361300	-80.35317000	Pennzoil	0.00000000	12/12/1895	1230.00	2102.00
005290000	NA	DIVERSIFIED	GR	Mannington	Unclassified	39.50230800	-80.35728800	Pennzoil	0.00000000	10/16/1895	1458.00	2344.00
005020000	NA	GB Hefner and Associates	GR	Mannington	DEVELOPMENT WELL-GAS	39.50067700	-80.36611300	Pennzoil	0.00000000	1/1/1917	1518.00	2412.00
009300000	NA	DIVERSIFIED	GR	Shinnston	Unclassified	39.49906900	-80.36309000	Pennzoil	0.00000000	N/A	N/A	N/A
004750000	NA	DIVERSIFIED	GR	Shinnston	Unclassified	39.49834400	-80.36177900	Pennzoil	0.00000000	8/9/1900	1460.00	2198.00
004730000	NA	DIVERSIFIED	GR	Shinnston	Unclassified	39.49689400	-80.36159100	Pennzoil	0.00000000	N/A	1324.00	N/A
005220000	NA	DIVERSIFIED	GR	Shinnston	Unclassified	39.49703900	-80.34942500	Pennzoil	0.00000000	4/27/1913	1480.00	2271.00
003800000	NA	DIVERSIFIED	GR	Shinnston	Unclassified	39.49552100	-80.34203600	Consolidated Gas Supply	0.00000000	6/24/2009	1455.00	N/A

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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: 142-22
DRAWING NO: Elliott 12H
SCALE: 1" = 1000'
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: February 21 20 25
OPERATOR'S WELL NO.: Elliott 12H
API WELL NO
47 - 049 - 02558
STATE COUNTY PERMIT

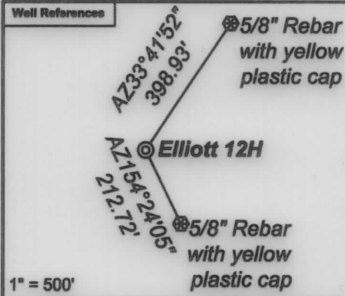
WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: 1342' WATERSHED Tributary of Dents Run QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Marion County Coal Resources Inc. ACREAGE: 183
ROYALTY OWNER: Randy J. Elliott, et al. LEASE NO: 134417000 ACREAGE: 183
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: 7,796'
WELL OPERATOR: EQT Production Company DESIGNATED AGENT: Joseph C. Mallow
ADDRESS: 400 Woodcliff Drive ADDRESS: 427 Midstate Drive
Canonsburg, PA 15317 Clarksburg, WV 25301

Elliott 12H
Elliott
EQT Production Company

Tract I.D.	Tax Map No.	Parcel No.	County	District
1	34	40	Marion	Mannington
2	34	49	Marion	Mannington
3	34	47	Marion	Mannington
4	33	1	Marion	Mannington
5	34	40.1	Marion	Mannington
6	34	45	Marion	Mannington
7	34	41	Marion	Mannington
8	34	39	Marion	Mannington
9	34	33	Marion	Mannington
10	34	38	Marion	Mannington
11	34	37	Marion	Mannington
13	34	52	Marion	Mannington
83	34	37	Marion	Mannington
105	34	43	Marion	Mannington
106	34	44	Marion	Mannington
107	34	50	Marion	Mannington
121	34	44.1	Marion	Mannington
128	33	10	Marion	Mannington
129	33	9	Marion	Mannington
141	32	11	Marion	Mannington
142	33	28	Marion	Mannington
143	33	4	Marion	Mannington
144	33	4.1	Marion	Mannington
145	33	8	Marion	Mannington
146	33	8.1	Marion	Mannington
147	33	8.2	Marion	Mannington
148	33	9.2	Marion	Mannington

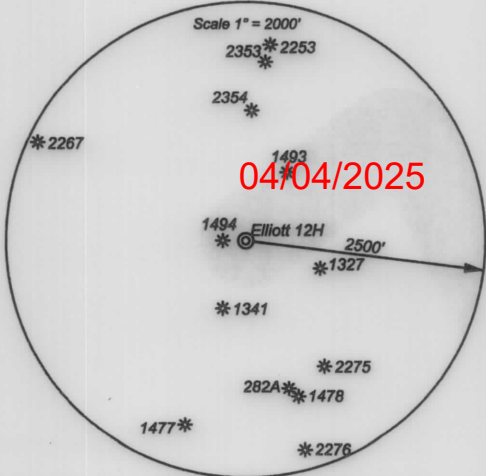
Surface Tract Owner	Acres
Marion County Coal Resources Inc.	153.25
Thomas D. & Aimee J. Haught	24.78
Edward F. Price	23
Thomas D. & Aimee J. Haught	106.823
Betty J. Fluharty	29.75
City of Mannington	42.5
Marion County Coal Resources Inc.	47
Marion County Coal Resources Inc.	42.75
Marion County Coal Resources Inc.	134
Marion County Coal Resources Inc.	17
Marion County Coal Resources Inc.	133.37
CSX Transportation	12.62
Consolidation Coal Company	NA
State of West Virginia Department of Commerce	67.087
Consolidation Coal Company	NA
CSX Transportation	45.25
City of Mannington	25.75
City of Mannington	39.7
Newton S. Beaty Families Trust	220.003
Marion County Coal Resources Inc.	116
Mildred H. Prichard Heirs	379.56
Dents Run Properties LLC	109.089
Barbara A. Fluharty	0.4115
Jackson L. Yankie	5.564
Mark D. & Deborah J. Snider	1
Mark D. Snider	16.431
City of Mannington	5.8

Notes:
Elliott 12H coordinates are
NAD 27 N: 381,987.63 E: 1,751,233.20
NAD 27 Lat: 39.545426 Long: -80.382157
NAD 83 UTM N: 4,377,497.80 E: 553,103.61
Elliott 12H Landing Point coordinates are
NAD 27 N: 382,599.32 E: 1,753,239.93
NAD 27 Lat: 39.547159 Long: -80.375063
NAD 83 UTM N: 4,377,694.18 E: 553,711.89
Elliott 12H Bottom Hole coordinates are
NAD 27 N: 378,166.63 E: 1,755,361.32
NAD 27 Lat: 39.535046 Long: -80.367388
NAD 83 UTM N: 4,376,354.45 E: 554,380.68
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.



Elliott	
Elliott 17H 47-049-02506	Elliott 16H 47-049-02560
Elliott 15H 47-049-02505	Elliott 14H 47-049-02559
Elliott 13H 47-049-02504	Elliott 12H 47-049-02558
Elliott 11H 47-049-02503	Elliott 10H 47-049-02557
Elliott 9H 47-049-02498	Elliott 8H 47-049-02556
Elliott 7H 47-049-02502	Elliott 6H 47-049-02555
Elliott 5H 47-049-02501	Elliott 4H 47-049-02554
Elliott 3H 47-049-02500	Elliott 2H 47-049-02553
Elliott 1H 47-049-02499	

Lease No.	Owner	Acres
134417000	Randy J. Elliott, et al.	183
172703000	EQT Production Company, et al.	90.125 & 63
111590063	MCJV Holdings, LLC, et al.	42.5
111591078	MCJV Holdings, LLC, et al.	118.45
124413000	Newton S. Beaty Families Trust	427.153



**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				

**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

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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: Branden Weimer

Its: Regional Manager - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
	<u>Randy J. Elliott, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>134417000</u>	Randy J. Elliott, a married man dealing in his sole and separate property	183 ac	EQT Production Company		DB 1213/441
	<u>EQT Production Company, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>172703000</u>	Ascent Resources Marcellus Minerals, LLC	90.125 ac & 63 ac	EQT Production Company		DB 1204/61
	<u>MCJV Holdings, LLC, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>111590063</u>	Teri L. O'Conner, a single woman	42.5 ac	American Shale Development, Inc.		DB 1149/66
	American Shale Development, Inc.		Republic Energy Ventures, LLC		AB 47/469
	Republic Energy Ventures, LLC		Republic Partners VIII, LLC		
	Republic Partners VIII, LLC, et al.		EQT Production Company		AB 51/525
	American Shale Development, Inc., et al.		EQT Production Company		DB 1228/1
	<u>MCJV Holdings, LLC, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
<u>111591078</u>	Dorothy E. Haught	118.45 ac	EQT Production Company		DB 1242/438
	<u>Newton S. Beaty Families Trust</u>			"at least 1/8th per WV Code 22-6-8"	
<u>124413000</u>	Philip A. Prichard, acting as Attorney in Fact for the Newton S. Beaty heirs	427.153 ac	Trans Energy, Inc.		DB 1106/11
	Trans Energy, Inc.		Republic Energy Ventures, LLC		AB 47/364
			American Shale Development, Inc.		
			American Shale Development, Inc.		
	Philip A. Prichard, Attorney in Fact for Newton S. Beaty heirs	449.903 ac	Republic Energy Ventures, LLC		DB 1116/229
	Republic Energy Ventures, LLC		Republic Partners VIII, LLC		AB 47/387
	Republic Energy Ventures, LLC				
	Republic Partners VIII, LLC, et al.		EQT Production Company		AB 51/525
	Trans Energy, Inc.				
	American Shale Development, Inc.		EQT Production Company		DB 1228/1

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Elliott AST Notification 3/3/2025

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U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only	
For delivery information, visit our website at www.usps.com ®.	
OFFICIAL USE	
Certified Mail Fee \$ 4.85	
Extra Services & Fees (check box, add fees as appropriate)	
<input checked="" type="checkbox"/> Return Receipt (hardcopy) \$ 4.10	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage 10.92	
Total Postage and Fees \$ 15.87	
Sent To MARION COUNTY COAL RESOURCES INC Street and Apt. No., or PO Box No. 46226 NATIONAL ROAD City, State, ZIP+4® ST. CLAIRSVILLE OH 43950	
PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions	

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04/04/2025



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

March 5, 2025

Via FedEx Overnight

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
Elliott 12H
Mannington District, Marion 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 modification fee
- Completed WW-6B and supporting documents, approved by the Inspector
- Revised Well Bore Diagram
- Well Location Plat
- Completed Form WW-6A1 and supporting documentation
- Proof of notification to the surface owners to add the proposed above ground storage tank
- Hydraulic Fracturing Monitoring Plan
- Offset well map with table
- DVD containing the As-Built Site Plan showing the location of the proposed above ground storage tank & MSDS Sheets

EQT is proposing to extend the lateral from the previously permitted length and add an above ground storage tank to the site. Note that this well has been drilled vertically.

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,

Branden Weimer
Regional Manager – Permitting
Branden.Weimer@eqt.com
412-997-7940

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