



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

Tuesday, May 4, 2021
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for ELLIOTT 11H
47-049-02503-00-00

Lateral Extension + 3883'

EQT PRODUCTION COMPANY

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

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

A blue ink signature of James A. Martin, Chief, is written over the text. The signature is stylized and cursive.

James A. Martin
Chief

Operator's Well Number: ELLIOTT 11H
Farm Name: CONSOLIDATION COAL COMPANY
U.S. WELL NUMBER: 47-049-02503-00-00
Horizontal 6A New Drill
Date Modification Issued: May 4, 2021

Promoting a healthy environment.

05/07/2021



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317
P: 724-746-9073 | www.eqt.com

April 27, 2021

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 Application
Elliott 11H Well
Permit Number 47-049-02503
Center District
Wetzel County, WV

EXPEDITED REVIEW REQUESTED

WVDEP Recipient,

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

- Check in the amount of \$5,000.00, payable to "West Virginia Department of Environmental Protection," for the expedited review 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

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

The Marion County Mine has been added to the WW-6B form. This mine was not listed on the original permit applications. The mine operator, however, had been notified prior to submittal of the original application.

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,

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

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

05/07/2021

WW-6B
(04/15)

Check # 587887
4/9/2021
\$5,000.00

API NO. 47-049 - 02503
OPERATOR WELL NO. 11H
Well Pad Name: Elliott

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

1) Well Operator: EQT Production Company 306686 Marion Mannington Glover Gap
Operator ID County District Quadrangle

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

3) Farm Name/Surface Owner: Consolidation Coal Company Public Road Access: CR 5

4) Elevation, current ground: 1,343' (Pad Built) Elevation, proposed post-construction: 1,343'

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, 7,770', 101', 2,593 psi

8) Proposed Total Vertical Depth: 7,770'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 23,146'

11) Proposed Horizontal Leg Length: 14,919'

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

13) Method to Determine Fresh Water Depths: Offset Wells - 47-049-02251, 47-049-00878

14) Approximate Saltwater Depths: 1,797', 1,895', 2,412'

15) Approximate Coal Seam Depths: 435'-437', 870'-875', 967'-975'

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

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APR 29 2021

(a) If Yes, provide Mine Info: Name: Marion County Mine

Depth: 967'-975'

Seam: Pittsburgh

Owner: Consolidation Coal Company

WV Department of
Environmental Protection

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	60 ft ³ / CTS
Fresh Water	13 3/8	New	J-55	54.5	1026	1026	900 ft ³ / CTS
Coal							
Intermediate	9 5/8	New	A-500	40	2510	2510	1000 ft ³ / CTS
Production	5 1/2	New	P-110	20	23146	23146	500' above intermediate casing
Tubing							
Liners							

Bryan Harris 4/26/21

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	1.13 - 1.19
Coal							
Intermediate	9 5/8	12 3/8	0.395	3950	3160	Class A	1.13 - 1.19
Production	5 1/2	8 1/2	0.361	14360	11488	Class A/H	1.04 - 2.098
Tubing							
Liners							

PACKERS

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Kind:				Office of Oil and Gas
Sizes:				APR 29 2021
Depths Set:				WV Department of Environmental Protection

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

Continue drilling and complete a new horizontal well in the Marcellus Formation. Kick off and drill curve. Drill the lateral in the Marcellus. Cement casing.

This well has been drilled vertically and the conductor, fresh water casing and intermediate casing have been set. The depths shown for these casing strings indicate actual depths.

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 (pad built)

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 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

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WV Department of
Mining, Reclamation, and
Energy

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.

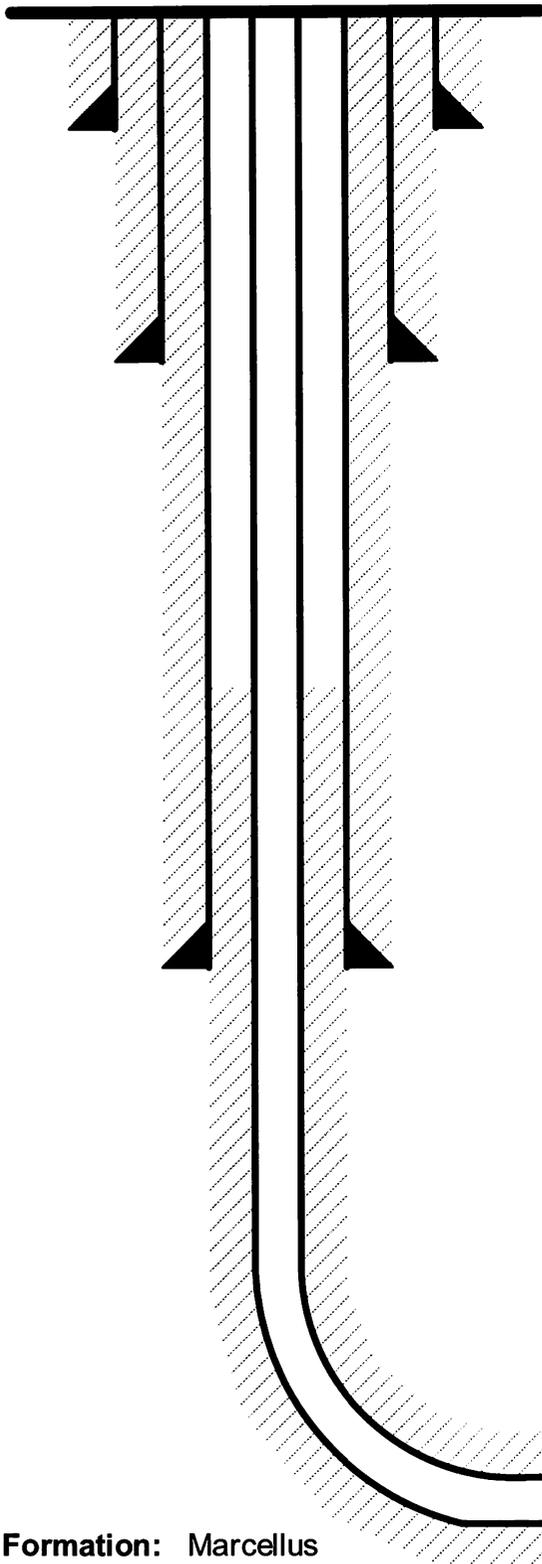
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: Elliot 11H
Pad: Elliot
Elevation: 1342' GL 1355' KB

County: Marion
State: West Virginia



Conductor @ 40'

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

Surface @ 1,026'

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

Intermediate @ 2,510'

9-5/8", 40#, A-500, cement to surface w/ Class A

Production @ 23,146' MD / 7,770' TVD

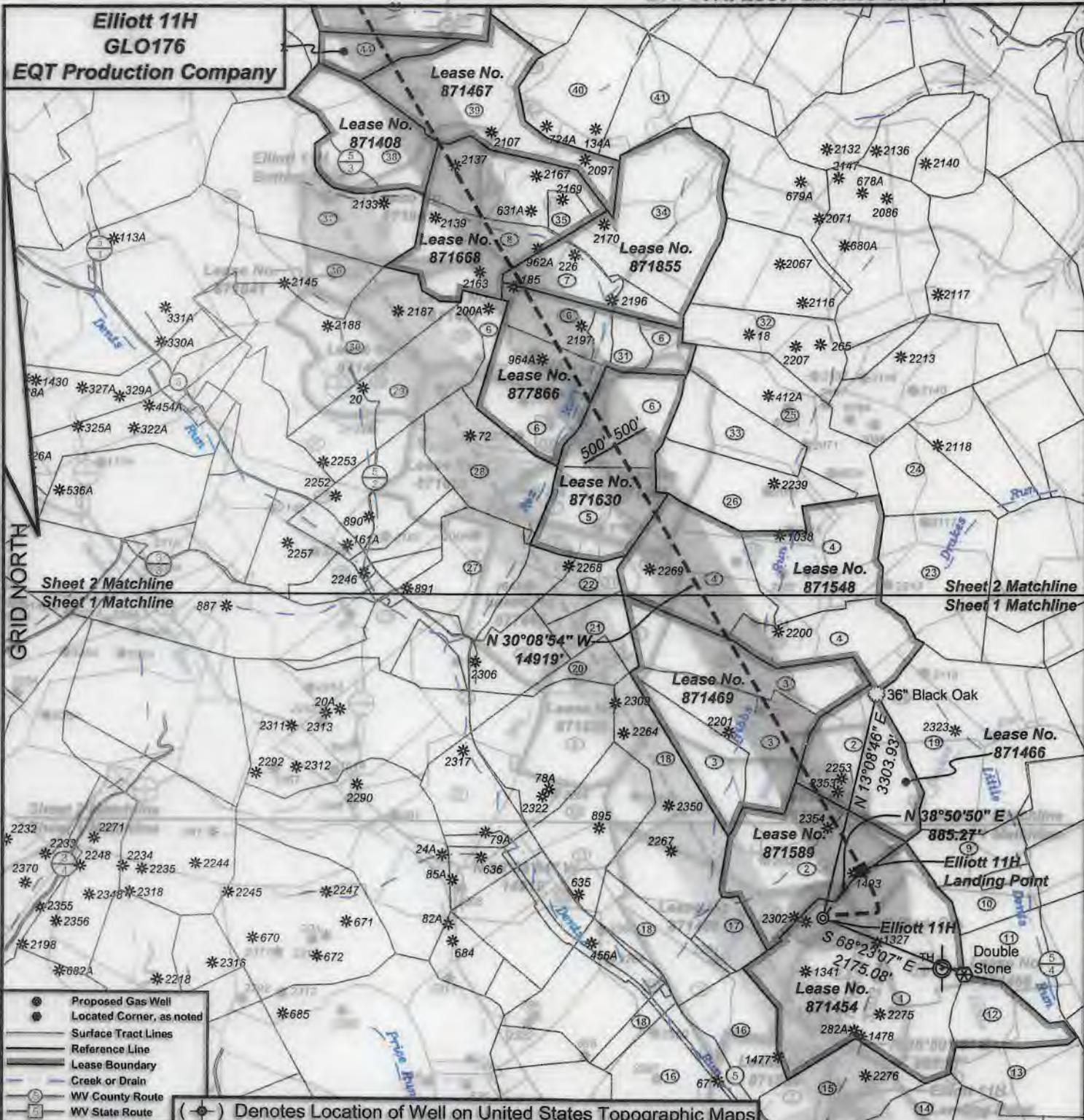
5-1/2", 20#, P-110, cement to 500' inside 9-5/8" w/ Class A/H

Formation: Marcellus

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Office of Oil and Gas

APR 29 2021

WV Department of
Environmental Protection



GRID NORTH

TH: 13819' LON: 80-22-30

- 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: 48-18
DRAWING NO: Elliott 11H
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1:2500
PROVEN SOURCE OF ELEVATION: NGS CORS Station

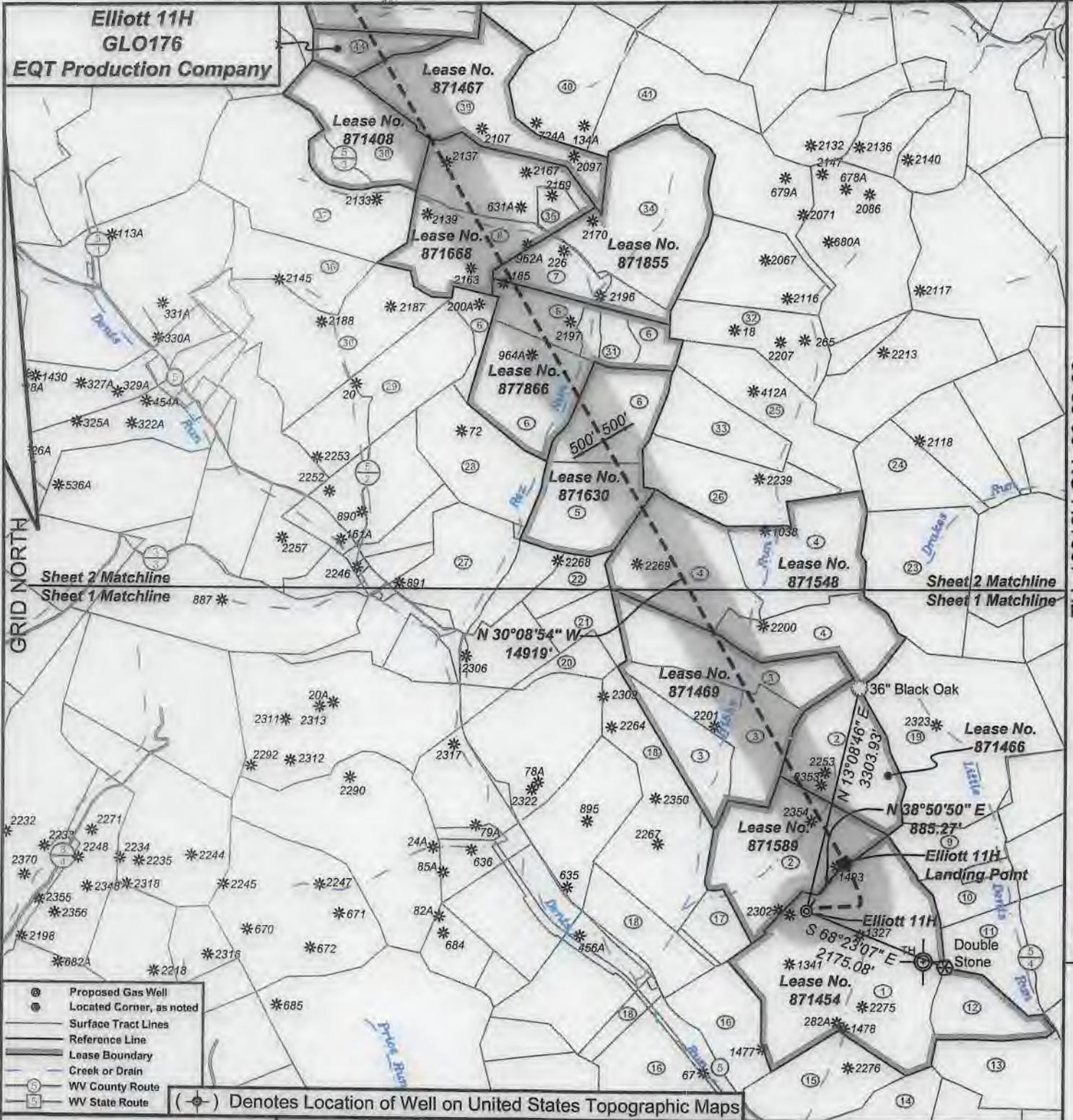
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 7 20 21
OPERATOR'S WELL NO.: Elliott 11H
API WELL NO. M3D
47 - 49 - 02503
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1343' WATERSHED Tributary of Dents Run QUADRANGLE: Glover Gap
DISTRICT: Mannington COUNTY: Marion
SURFACE OWNER: Consolidated Coal Company ACREAGE: 153.25
ROYALTY OWNER: Randy J. Elliott and Leonard W. Stafford LEASE NO: 871454 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: 7,770'

05/07/2021

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



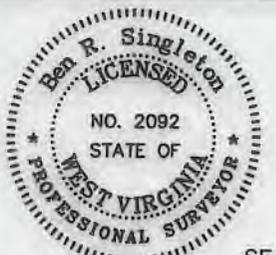
- ⊙ Proposed Gas Well
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- Ⓟ WV State Route

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

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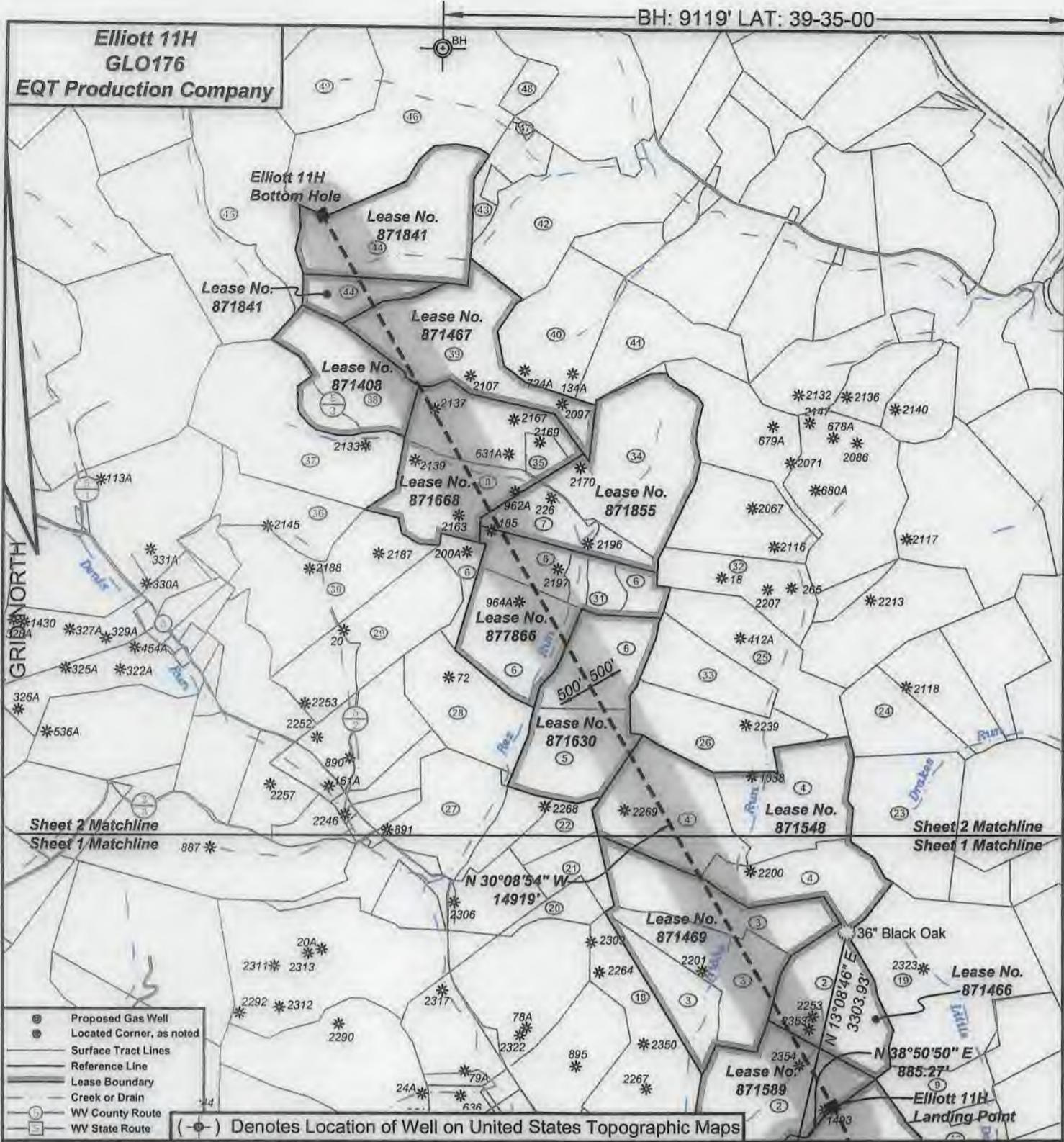
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 Canonsburg, PA 15317 Bridgeport, WV 26330

BH: 9119' LAT: 39-35-00

BH: 299' LON: 80-22-30

**Elliott 11H
GLO176
EQT Production Company**



- ⊙ Proposed Gas Well
 - ⊙ Located Corner, as noted
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STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 7 20 21
OPERATOR'S WELL NO.: Elliott 11H
API WELL NO. **MSD**
47 - 49 - 02503
STATE COUNTY PERMIT

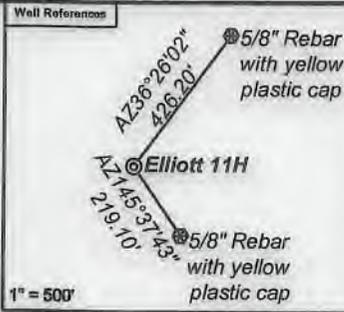
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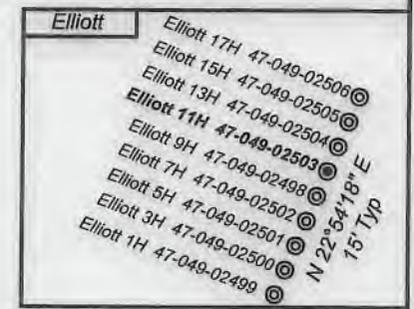
05/07/2021

**Elliott 11H
GLO176
EQT Production Company**

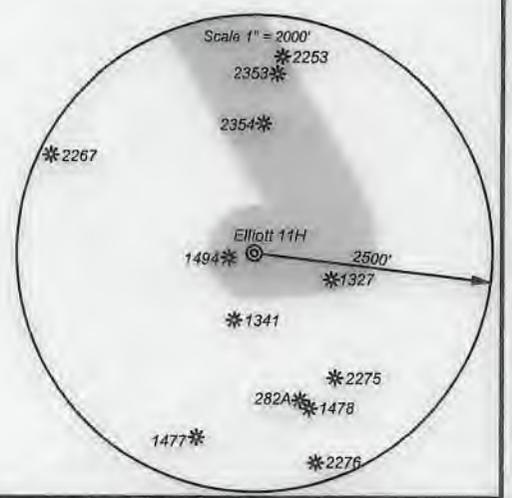
Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	34	40	Marion	Mannington	Consolidation Coal Company	153.25
2	34	37	Marion	Mannington	Consolidation Coal Company	133.37
3	38	20	Marion	Mannington	Consolidation Coal Company	131.10
4	38	21	Marion	Mannington	Consolidation Coal Company	169.49
5	36	11	Marion	Mannington	Frederick E. & Deborah S. Lilley	48.25
6	36	9	Marion	Mannington	Frederick E. & Deborah S. Lilley	186.22
7	36	10	Marion	Mannington	CNX Land LLC	34.89
8	28	20	Marion	Mannington	Sportman Square Circle Club Inc	102.85
9	34	49	Marion	Mannington	Dennis M. & Lisa A. Hayes	24.78
10	34	47	Marion	Mannington	Edward F. Price	23.00
11	33	1	Marion	Mannington	Thomas D. & Alma J. Haught	63.00
12	34	40.1	Marion	Mannington	Raymond F. & Betty J. Fluherty	29.75
13	34	45	Marion	Mannington	City of Mannington	42.50
14	34	41	Marion	Mannington	Consolidation Coal Company	47.00
15	34	39	Marion	Mannington	Consolidation Coal Company	42.75
16	34	33	Marion	Mannington	Consolidation Coal Company	134.00
17	34	38	Marion	Mannington	Consolidation Coal Company	17.00
18	34	36	Marion	Mannington	Consolidation Coal Company	120.00
19	32	11	Marion	Mannington	Consolidation Coal Company	116.00
20	36	14	Marion	Mannington	Mark A. & Carrie A. Hendershot	11.04
21	36	13	Marion	Mannington	Mark A. & Carrie A. Hendershot	16.20
22	36	12	Marion	Mannington	Mark A. & Carrie A. Hendershot	15.20
23	32	12	Marion	Mannington	James K. & Rose K. Haugh	78.21
24	32	13	Marion	Mannington	Suzanne A. & Charles W. Given	33.40
25	36	24	Marion	Mannington	CNX Land LLC	47.68
26	36	22	Marion	Mannington	Consolidation Coal Company	50.87
27	36	7	Marion	Mannington	Mark A. & Carrie A. Hendershot	62.39
28	36	8	Marion	Mannington	Frederick E. & Deborah S. Lilley	52.12
29	38	1	Marion	Mannington	Lee R. & Sherri L. Taylor	67.35
30	39	13	Marion	Mannington	Lee R. & Sherri L. Taylor	88.49
31	36	9.1	Marion	Mannington	Matthew D. Stiles	13.83
32	28	22	Marion	Mannington	CNX Land LLC	38.60
33	39	23	Marion	Mannington	CNX Land LLC	30.96
34	28	21	Marion	Mannington	Sportman Square Circle Club Inc	81.00
35	28	25	Marion	Mannington	CNX Land LLC	7.25
36	39	14	Marion	Mannington	Lee R. & Sherri L. Taylor	39.09
37	28	19	Marion	Mannington	Rickey G. Bennett	94.12
38	28	18	Marion	Mannington	Donna McDonald	55.75
39	28	17	Marion	Mannington	CNX Land LLC	77.85
40	28	6	Marion	Mannington	Joshua A. & Courtney N. Wilfang	52.85
41	28	6.1	Marion	Mannington	Wilson Investments LLC	52.85
42	28	8.5	Marion	Mannington	Elijah & Eric Deam	55.00
43	28	8.1	Marion	Mannington	CNX Land LLC	15.98
44	28	16	Marion	Mannington	Consolidation Coal Company	107.63
45	28	2.1	Marion	Mannington	Larry Goff	160.04
46	28	9	Marion	Mannington	Waco Oil & Gas Co Inc & Mike Ross Inc	124.50
47	28	8.4	Marion	Mannington	CNX Land LLC	1.03
48	28	9.1	Marion	Mannington	Douglas A. & Lisa A. Hayes	10.00
49	28	10	Marion	Mannington	Waco Oil & Gas Co Inc & Mike Ross Inc	41.80



Notes:
 Elliott 11H coordinates are
 NAD 27 N: 381,976.63 E: 1,751,201.42
 NAD 27 Lat: 39.545395 Long: -80.382270
 NAD 83 UTM N: 4,377,494.08 E: 553,093.98
 Elliott 11H Landing Point coordinates are
 NAD 27 N: 382,666.10 E: 1,751,756.70
 NAD 27 Lat: 39.547303 Long: -80.380324
 NAD 83 UTM N: 4,377,706.96 E: 553,259.66
 Elliott 11H Bottom Hole coordinates are
 NAD 27 N: 395,565.90 E: 1,744,264.44
 NAD 27 Lat: 39.582513 Long: -80.407354
 NAD 83 UTM N: 4,381,599.01 E: 550,911.59
 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.

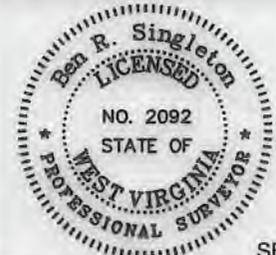


Lease No.	Owner	Acres
871589	Lee and Hall Royalties	80
871466	Lee and Hall Royalties	53.63
871469	Newton S. Beatty Families Trust, Philip A. Prichard, Trustee, et al.	131.1
871548	West Virginia University Foundation, Inc., et al.	169.49
871630	Robert & Mary Keller, et al.	130.534
877866	AMP Fund IV, LP	95
871855	Nita M. Cordray, et al.	115.86
871668	Denise L. Bissett, et al.	110.1
871408	Patsy G. Urdiales, et al.	55.75
871467	Lee and Hall Royalties, a partnership, et al.	77.95
871841	John Baker III, et al.	106.63



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: 48-18
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 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: 1:2500
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DATE: April 7 20 21
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 47 - 49 - 02503
 STATE COUNTY PERMIT

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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

05/07/2021

WW-6A1
(5/13)

Operator's Well No. Elliott 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 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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Office of Oil and Gas

APR 29 2021

WV Department of
Environmental Protection

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

WW-6A1 attachment

Operator's Well No.

Elliott 11H

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
871454	<u>Randy J. Elliott and Leonard W. Stafford</u> Randy J. Elliott, a married man dealing in his sole/sep. property	183 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1213/441
871589	<u>Lee and Hall Royalties</u> Lee and Hall Royalties, a Partnership	80 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1253/7
871466	<u>Lee and Hall Royalties</u> Lee and Hall Royalties, a Partnership	53.63 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1253/31
871469	<u>Newton S. Beatty Families Trust, Philip A. Prichard, Trustee, et al.</u> Philip A. Prichard, acting as Att-in-Fact for Jackson T. Beatty and Rebecca Beatty, h/w, et al. (referred to as the "Lida Cochrane Heirs") American Shale Development, Inc. Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al Trans Energy, Inc. and American Shale Development, Inc.	131.1 ac	American Shale Development, Inc., (50%) and Republic Energy Ventures, LLC, (50%) Republic Partners VIII, LLC EQT Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1129/821 AB 47/469 AB 51/525 DR 1228/1
871548	<u>West Virginia University Foundation, Inc., et al.</u> West Virginia University Foundation, Inc., for the benefit of West Virginia University American Shale Development, Inc. Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al Trans Energy, Inc. and American Shale Development, Inc.	169.49 ac	American Shale Development, Inc., (50%) and Republic Energy Ventures, LLC, (50%) Republic Partners VIII, LLC EQT Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1159/217 AB 47/469 AB 51/525 DR 1228/1

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871630	<u>Robert & Mary Keller, et al.</u> Robert & Mary Kay Keller, h/w Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al Trans Energy, Inc. and American Shale Development, Inc.	130.534 ac	Republic Energy Ventures, LLC EQT Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1171/811 AB 51/525 DR 1228/1
877866	<u>AMP Fund IV, LP</u> Dennis Straight, a married man dealing in his sole & separate property Republic Energy Ventures, LLC, et al	95 ac	Republic Energy Ventures, LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1202/129 AB 52/189
871855	<u>Nita M. Cordray, et al.</u> Nita M. Cordray, widow	115.86 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1258/1002
871668	<u>Denise L. Bissett, et al.</u> Denise L. Bissett Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al	110.1 ac	Republic Energy Ventures, LLC EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1165/227 AB 51/525
871408	<u>Patsy G. Urdiales, et al.</u> Patsy G. Urdiales, widow	55.75 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1271/892
871467	<u>Lee and Hall Royalties, a partnership, et al.</u> Reita Jane Hall, widow American Shale Development, Inc. Republic Energy Ventures, LLC, Republic Partners VIII, LLC, et al Trans Energy, Inc. and American Shale Development, Inc.	77.95 ac	American Shale Development, Inc., (50%) and Republic Energy Ventures, LLC, (50%) Republic Partners VIII, LLC EQT Production Company EQT Production Company	"at least 1/8th per WV Code 22-6-8"	DR 1118/277 AB 47/469 AB 51/525 DR 1228/1

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871841

John Baker III, et al.

John Baker III, (married dealing in his sole and serarate property)

106.63 ac

EQT Production Company

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

DR 1276/283