



west virginia department of environmental protection

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

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

Monday, June 13, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

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

Re: Permit Modification Approval for BIG245 112H
47-103-03445-00-00

Lateral Extension. Update Total Measured Depth 20488' to 26498', Horizontal Leg Length 12289' to 18287'. Updated Lease Chain Included.

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: BIG245 112H
Farm Name: ET BLUE GRASS LLC
U.S. WELL NUMBER: 47-103-03445-00-00
Horizontal 6A New Drill
Date Modification Issued: 06/13/2022

Promoting a healthy environment.

06/17/2022

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: 112H Well Pad Name: BIG245

3) Farm Name/Surface Owner: ET Blue Grass LLC Public Road Access: CR 19/2

4) Elevation, current ground: 1,430' Elevation, proposed post-construction: 1,430'

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, 7,549', 51', 2,620 psi

8) Proposed Total Vertical Depth: 7,549'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 26,498'

11) Proposed Horizontal Leg Length: 18,287'

12) Approximate Fresh Water Strata Depths: 243', 521', 676', 766', 1,025'

13) Method to Determine Fresh Water Depths: Offset Wells - 47-103-00376 & 47-103-00380

14) Approximate Saltwater Depths: None

15) Approximate Coal Seam Depths: 939'-940', 1,038'-1,047', 1,137'-1,143'

16) Approximate Depth to Possible Void (coal mine, karst, other): 300'

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: Harrison Co. Mine RECEIVED
Office of Oil and Gas
Depth: 300' JUN 7 2022
Seam: Pittsburgh
Owner: ACNR Resources, Inc. WV Department of Environmental Protection

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	26	New	A-500	85.6	40	40	50 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1193	1193	1000 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2651	2651	1000 ft^3 / CTS
Production	6	New	P-110	24	26498	26498	500' above intermediate casing
Tubing							
Liners							

Kenneth Greynolds

Digitally signed by Kenneth Greynolds
 DN: CN = Kenneth Greynolds email = Kenneth.L.Greynolds@wv.gov C = AD O = WVDEP OU = Oil and Gas
 Date: 2022.03.24 08:31:10 -04'00'

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
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	6	8 1/2	0.400	14580	11664	Class A/H	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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Office of Oil and Gas

JUN 7 2022

WV Department of
Environmental Protection

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): 44.22

22) Area to be disturbed for well pad only, less access road (acres): 43.58

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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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.

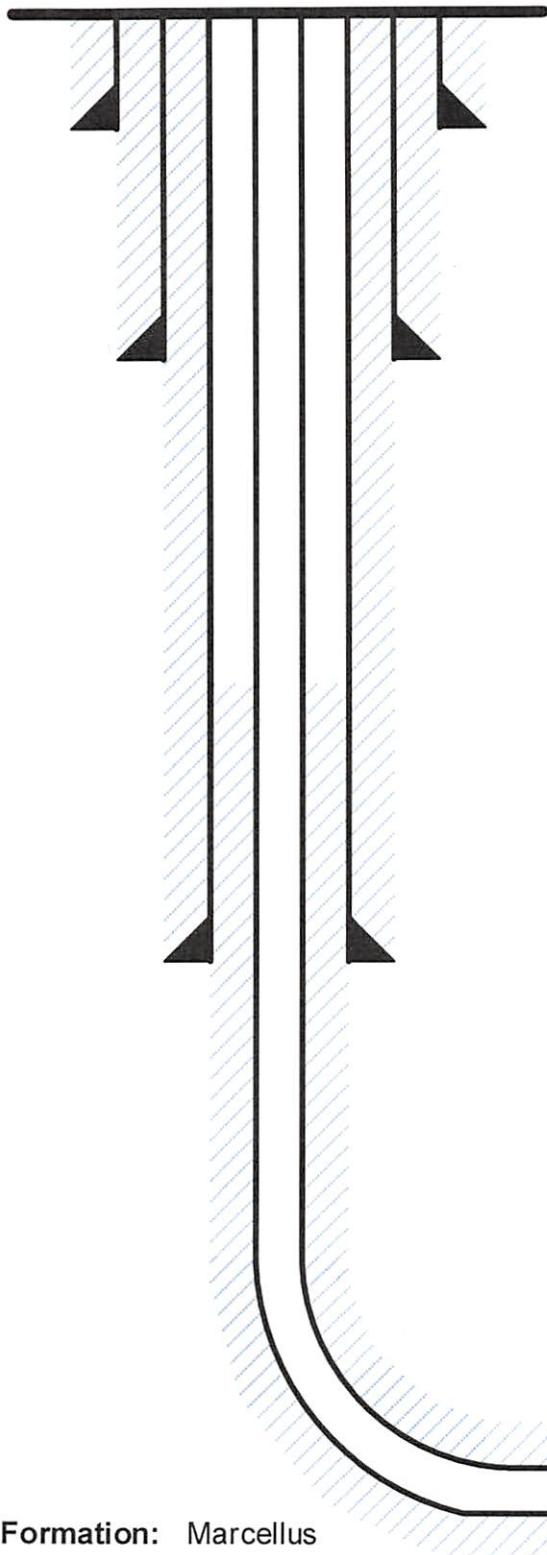
*Note: Attach additional sheets as needed.

EQT Production

Wellbore Diagram

Well: BIG 245 112H
Pad: BIG 245
Elevation: 1430' GL 1443' KB

County: Wetzel
State: West Virginia



Conductor @ 40'

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

Surface @ 1,193'

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

Intermediate @ 2,651'

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

Production @ 26,498' MD / 7,549' TVD

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

Formation: Marcellus

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Office of Oil and Gas

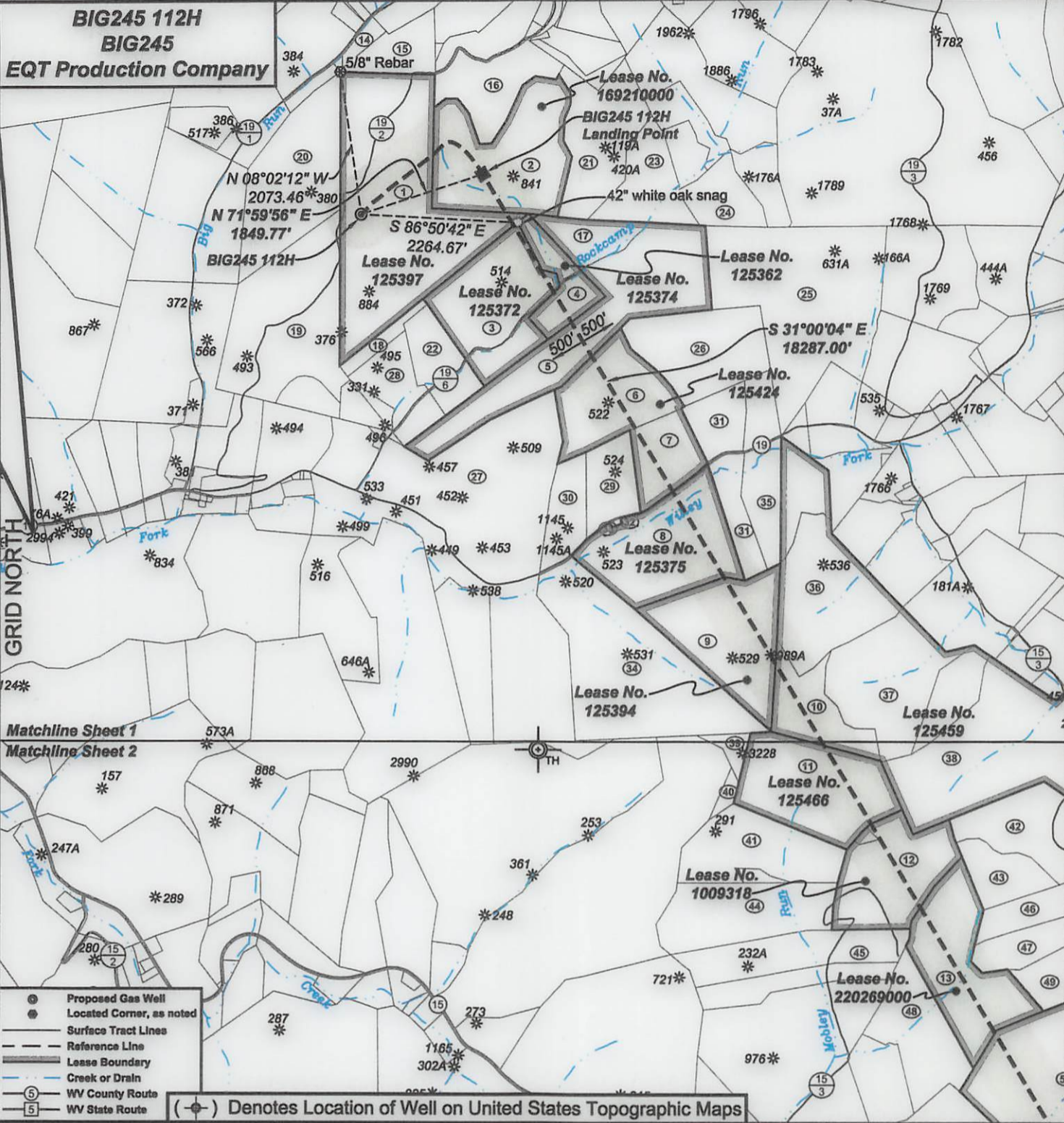
JUN 7 2022

WV Department of
Environmental Protection

TH: 7672' LAT: 39-37-30

TH: 10774' LONG: 80-32-30

BIG245 112H
BIG245
EQT Production Company



Matchline Sheet 1
Matchline Sheet 2

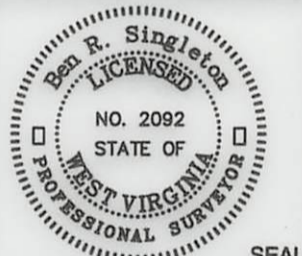
- ⊙ Proposed Gas Well
- ⊙ Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- ⑤ WV County Route
- ⑤ WV State Route

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



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

Ben R. Singleton
P.S. 2092



SEAL

FILE NO: 246-18
DRAWING NO: BIG245 112H
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: June 2 20 22
OPERATOR'S WELL NO.: BIG245 112H
API WELL NO
47 - 103 - 03445
STATE COUNTY PERMIT

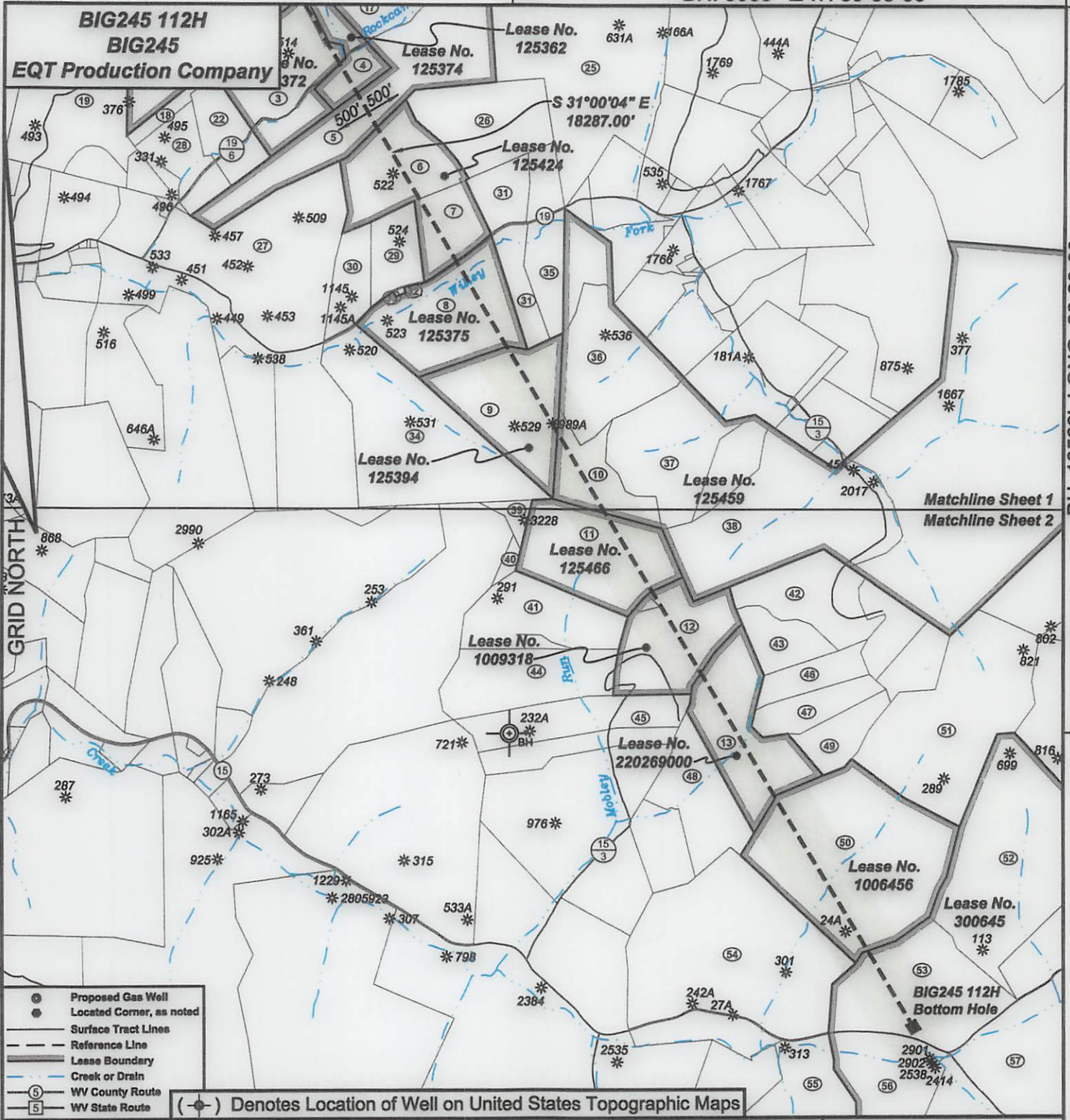
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1430' WATERSHED Rockcamp Run of Willey Fork QUADRANGLE: Big Run
DISTRICT: Grant COUNTY: Wetzel
SURFACE OWNER: ET Blue Grass LLC ACREAGE: 138.93
ROYALTY OWNER: Shiben Estates, Inc., et al. LEASE NO: 125397 ACREAGE: 140
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: 7.549'

06/17/2022

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

BH: 8068' LAT: 39-35-00

BIG245 112H
BIG245
EQT Production Company



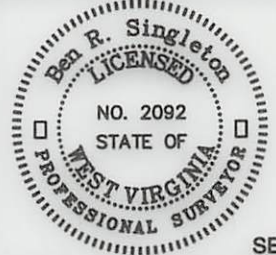
- ⊗ Proposed Gas Well
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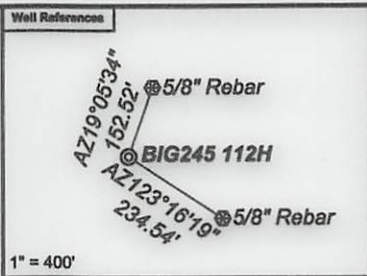
DATE: June 2 20 22
OPERATOR'S WELL NO.: BIG245 112H
API WELL NO
47 - 103 - 03445
STATE COUNTY PERMIT

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BIG245 112H
BIG245
EQT Production Company

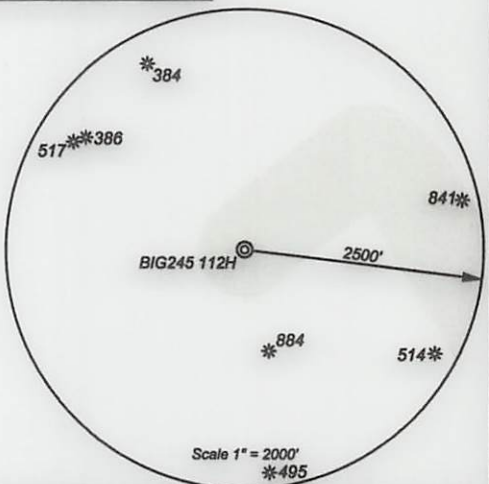


Notes:
BIG245 112H coordinates are
NAD 27 N: 400,767.94 E: 1,698,793.49
NAD 27 Lat: 39.595421 Long: -80.568891
NAD 83 UTM N: 4,382,952.55 E: 537,031.80
BIG245 112H Landing Point coordinates are
NAD 27 N: 401,339.59 E: 1,700,552.72
NAD 27 Lat: 39.597048 Long: -80.562673
NAD 83 UTM N: 4,383,135.67 E: 537,564.88
BIG245 112H Bottom Hole coordinates are
NAD 27 N: 385,664.74 E: 1,709,971.50
NAD 27 Lat: 39.554317 Long: -80.528614
NAD 83 UTM N: 4,378,408.10 E: 540,513.98
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.

Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	8	22	Wetzel	Grant	ET Blue Grass LLC	138.93
2	8	15	Wetzel	Grant	John Michael Byard	71.80
3	8	28	Wetzel	Grant	James A. Yoho	81.00
4	8	29	Wetzel	Grant	Mary Jane Byard	15.00
5	8	32	Wetzel	Grant	Jos Pigg	82.40
6	9	28	Wetzel	Grant	Sherilyn Snider	55.52
7	9	40	Wetzel	Grant	Sherilyn Snider	24.00
8	9	52	Wetzel	Grant	Norman Derby	81.51
9	14	8	Wetzel	Grant	Esther R. Coen	59.50
10	14	10	Wetzel	Grant	John W. Wycoff & Carolyn S. McGill	29.00
11	14	18	Wetzel	Grant	John W. Wycoff & Carolyn S. McGill	88.70
12	14	23	Wetzel	Grant	Equitrans LP	51.00
13	14	38	Wetzel	Grant	Dale C. Eastham, et al.	57.00
14	8	13.1	Wetzel	Grant	Duane M. Goodrich	3.56
15	8	7	Wetzel	Grant	James E. & Martin A. Stonaking	19.12
16	8	8	Wetzel	Grant	Wanda L. Byard	59.18
17	8	22	Wetzel	Grant	James A. Yoho	17.80
18	8	25	Wetzel	Grant	James A. Yoho	6.25
19	8	23	Wetzel	Grant	Dale K. Dulaney, et al.	70.81
20	8	11	Wetzel	Grant	Bonnie M. Henthome	83.50
21	9	83	Wetzel	Grant	Mary E. Wright, et al.	48.00
22	8	27	Wetzel	Grant	James A. Yoho	21.75
23	9	13	Wetzel	Grant	James A. Yoho	27.00
24	9	17	Wetzel	Grant	Leslie Watson	20.08
25	9	23	Wetzel	Grant	Stephen B. & Carolyn M. Gentz	119.00
26	9	29	Wetzel	Grant	William & Margaret Schiecher	47.90
27	8	53	Wetzel	Grant	H. Don Higginbotham	198.21
28	8	28	Wetzel	Grant	James A. Yoho	23.25
29	9	40	Wetzel	Grant	Sherilyn Snider	24.00
30	8	54	Wetzel	Grant	Sherilyn Snider	20.00
31	9	53	Wetzel	Grant	Norman R. & Vivian L. Derby	32.90
32	9	52.1	Wetzel	Grant	Norman R. & Vivian L. Derby	1.00
33	9	85	Wetzel	Grant	Terril L. & Jason D. Beety	0.61
34	14	7	Wetzel	Grant	Norman Derby	83.00
35	9	54	Wetzel	Grant	Jack L. & Leanna C. Barnette	17.40
36	14	9	Wetzel	Grant	Leonard Rice	55.00
37	14	11	Wetzel	Grant	Thomas J. Parka, et al.	54.44
38	14	19	Wetzel	Grant	Conestoga Forest Resources Company	138.68
39	14	17	Wetzel	Grant	John W. Wycoff & Carolyn S. McGill	8.20
40	14	18	Wetzel	Grant	John W. Wycoff & Carolyn S. McGill	1.50
41	14	22	Wetzel	Grant	John W. Wycoff & Carolyn S. McGill	48.00
42	14	25	Wetzel	Grant	Clare Snodgrass	36.88
43	14	24	Wetzel	Grant	EQT Production Company	19.20
44	14	28	Wetzel	Grant	EQT Production Company	50.50
45	14	37	Wetzel	Grant	EQT Production Company	36.50
46	14	29	Wetzel	Grant	ET Blue Grass, LLC	17.00
47	14	30	Wetzel	Grant	Equitrans LP	20.50
48	14	39.3	Wetzel	Grant	Dale C. Eastham, et al.	38.05
49	14	31	Wetzel	Grant	Donald D'Lusk Jr.	19.00
50	14	40	Wetzel	Grant	Donald D'Lusk Jr.	131.00
51	14	33	Wetzel	Grant	Alise H. & Hilda B. Conewey	108.00
52	14	42	Wetzel	Grant	Donald J. D'Lusk	111.00
53	19	8	Wetzel	Grant	Donald D'Lusk Jr.	71.50
54	19	7	Wetzel	Grant	Florence E. Klooyne	157.09
55	19	27	Wetzel	Grant	Florence E. Klooyne	201.00
56	19	8.1	Wetzel	Grant	EQT Production Company	53.00
57	19	19.1	Wetzel	Grant	Sean L. Snedden	30.08

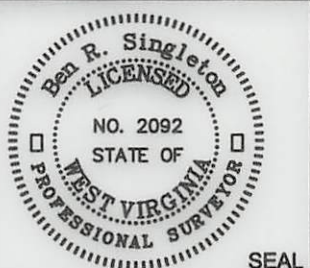
Lease No.	Owner	Acres
189210000	Liberty Holding Company, Inc.	71.5
125372	Ryan C. Radtka, et al.	61
125362	Mary Jane Wright, et al.	15
125374	Jordan Zachary Pigg, et al.	100
125424	Sherilyn Snider	80
125375	Jacob Francis Shreve III aka Jacob F. Shreve, et al.	62
125394	Esther R. Coen, et al.	80
125459	Randel J. Hartman, et al.	693
125466	Bounty Minerals LLC	67
1009318	Thomas L. Lewis, et al.	51
220289000	Travis J. Eastham, et al.	57
1006456	Valerie D. Preat, et al.	131
300645	Carman Lee Allen, et al.	858

- BIG245**
- ⊙ BIG245 114H
 - ⊙ BIG245 112H
 - ⊙ BIG245 110H
 - ⊙ BIG245 108H
 - ⊙ BIG245 106H
 - ⊙ BIG245 104H
 - ⊙ BIG245 102H
 - ⊙ 47-103-03235
 - ⊙ 47-103-03236
- 47-103-03234⊙



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DESIGNATED AGENT: Joseph C. Mallow ADDRESS: 427 Midstate Drive Clarksburg, WV 26301

06/17/2022

**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
 Its: Project Specialist - Permitting

Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
1 125397	<u>Shiben Estates, Inc., et al.</u>			"at least 1/8th per WV Code 22-6-8"	
	Joseph Shiben and Minnie Shiben, his wife, et al	140 ac	Equitable Gas Company		OG 44A/224
	Equitable Gas Company		Equitrans, Inc.		OG 71A/453
	Equitrans, Inc.		EQT Capital Corporation		Corp. 13/213
	EQT Capital Corporation		Equitable Resources, Inc.		Corp. 13/213
	Equitable Resources, Inc.		Equitable Gas Company, LLC		Corp. 13/230
	Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP		Misc. 105/908
	Equitrans, LP		EQT Production Company		OG 131A/81
2 169210000	<u>Liberty Holding Company, Inc.</u>			"at least 1/8th per WV Code 22-6-8"	
	Liberty Holding Company, Inc.	71.5 ac	EQT Production Company		OG 262A/145
3 125372	<u>Ryan C. Radtka, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
	C. Amos Long and L. G. Long, his wife	61 ac	Equitable Gas Company		OG 44A/36
	Equitable Gas Company		Equitrans, Inc.		OG 71A/453
	Equitrans, Inc.		EQT Capital Corporation		Corp. 13/213
	EQT Capital Corporation		Equitable Resources, Inc.		Corp. 13/213
	Equitable Resources, Inc.		Equitable Gas Company, LLC		Corp. 13/230
	Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP		Misc. 105/908
	Equitrans, LP		EQT Production Company		OG 131A/81
4 125362	<u>Mary Jane Wright, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
	Alpha E. Byard and Mary Jane Byard, his wife, et al	15 ac	Equitable Gas Company		OG 52A/468
	Equitable Gas Company		Equitrans, Inc.		OG 71A/453
	Equitrans, Inc.		EQT Capital Corporation		Corp. 13/213
	EQT Capital Corporation		Equitable Resources, Inc.		Corp. 13/213
	Equitable Resources, Inc.		Equitable Gas Company, LLC		Corp. 13/230
	Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP		Misc. 105/908
	Equitrans, LP		EQT Production Company		OG 131A/81

5	125374	<u>Jordan Zachary Pigg, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
		Josephine J. Pigg and Joe W. Pigg, her husband	100 ac	Equitable Gas Company		OG 52A/165
		Equitable Gas Company		Equitrans, Inc.		OG 71A/453
		Equitrans, Inc.		EQT Capital Corporation		Corp. 13/213
		EQT Capital Corporation		Equitable Resources, Inc.		Corp. 13/213
		Equitable Resources, Inc.		Equitable Gas Company, LLC		Corp. 13/230
		Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP		Misc. 105/908
		Equitrans, LP		EQT Production Company		OG 131A/81
6/7	125424	<u>Sherilyn Snider</u>			"at least 1/8th per WV Code 22-6-8"	
		Francis Shreve and Anna G. Shreve, his wife, et al	80 ac	Equitable Gas Company		OG 45A/106
		Equitable Gas Company		Equitrans, Inc.		OG 71A/453
		Equitrans, Inc.		EQT Capital Corporation		Corp. 13/213
		EQT Capital Corporation		Equitable Resources, Inc.		Corp. 13/213
		Equitable Resources, Inc.		Equitable Gas Company, LLC		Corp. 13/230
		Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP		Misc. 105/908
		Equitrans, LP		EQT Production Company		OG 131A/81
8	125375	<u>Jacob Francis Shreve III aka Jacob F. Shreve, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
		Francis Shreve and Anna G. Shreve, his wife, et al	62 ac	Equitable Gas Company		OG 44A/41
		Equitable Gas Company		Equitrans, Inc.		OG 71A/453
		Equitrans, Inc.		EQT Capital Corporation		Corp. 13/213
		EQT Capital Corporation		Equitable Resources, Inc.		Corp. 13/213
		Equitable Resources, Inc.		Equitable Gas Company, LLC		Corp. 13/230
		Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP		Misc. 105/908
		Equitrans, LP		EQT Production Company		OG 131A/81
9	125394	<u>Esther R. Coen, et al.</u>			"at least 1/8th per WV Code 22-6-8"	
		Roxie H. Brookover and Bruce Brookover, her husband, et al	60 ac	Equitable Gas Company		OG 44A/158
		Equitable Gas Company		Equitrans, Inc.		OG 71A/453
		Equitrans, Inc.		EQT Capital Corporation		Corp. 13/213
		EQT Capital Corporation		Equitable Resources, Inc.		Corp. 13/213
		Equitable Resources, Inc.		Equitable Gas Company, LLC		Corp. 13/230
		Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP		Misc. 105/908
		Equitrans, LP		EQT Production Company		OG 131A/81

10	125459	<u>Randel J. Hartman, et al.</u>				"at least 1/8th per WV Code 22-6-8"	
		Virginia Myers and William S. Myers, her husband, et al	693 ac	Equitable Gas Company			OG 47A/16
		Equitable Gas Company		Columbia Gas Transmission Corporation			OG 64A/442
		Columbia Gas Transmission Corporation		Columbia Natural Resources, Inc.			OG 72A/368
		Columbia Natural Resources, Inc.		Columbia Natural Resources, LLC			Corp. 12/622
		Columbia Natural Resources, LLC		Chesapeake Appalachia, L.L.C.			DB 402/446
		Chesapeake Appalachia, L.L.C.		Statoilhydro USA Onshore Properties Inc.			OG 97A/578
		Statoilhydro USA Onshore Properties Inc.		Statoil USA Onshore Properties, Inc.			WV SOS
		Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC			OG 157A/540
		Statoil USA Onshore Properties, Inc.		SWN Exchange Titleholder, LLC			OG 158A/801
		SWN Exchange Titleholder, LLC		SWN Production Company, LLC			Corp. 13/296
		SWN Production Company, LLC		Antero Exchange Properties LLC			OG 177A/533
		Statoil USA Onshore Properties, Inc.		Antero Exchange Properties LLC			OG 177A/738
		Antero Exchange Properties LLC		Antero Resources Corporation			Corp. 13/311
		Antero Resources Corporation		EQT Production Company			OG 227A/932
11	125466	<u>Bounty Minerals LLC</u>				"at least 1/8th per WV Code 22-6-8"	
		W. A. Wycoff and Grace Wycoff, his wife	67 ac	Equitable Gas Company			OG 52A/465
		Equitable Gas Company		Equitrans, Inc.			OG 71A/453
		Equitrans, Inc.		EQT Capital Corporation			Corp. 13/213
		EQT Capital Corporation		Equitable Resources, Inc.			Corp. 13/213
		Equitable Resources, Inc.		Equitable Gas Company, LLC			Corp. 13/230
		Equitable Gas Company, LLC and EQT Corporation		Equitrans, LP			Misc. 105/908
		Equitrans, LP		EQT Production Company			OG 131A/81
12	1009318	<u>Thomas L. Lewis, et al.</u>				"at least 1/8th per WV Code 22-6-8"	
		Thomas L. Lewis, a widower	51 ac	EQT Production Company			OG 174A/163
13	220269000	<u>Travis J. Eastham, et al.</u>				"at least 1/8th per WV Code 22-6-8"	
		Dale C. Eastham, Andrew A. Fairbanks, Jr., Edward C. Smith, Brent A. Fairbanks, David A. Fairbanks, Michael A. Fairbanks, Travis J. Eastham, Jeremy T. Collins, and Edward C. Smith, II, JTROS	57 ac	EQT Production Company			OG 289A/715

50 1006456

Valerie D. Preat, et al.

Freda G. Watts, a widow

131 ac

EQT Production Company

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

OG 178A/557

53 300645

Carman Lee Allen, et al.

J. M. Allen & Eliza Allen, his wife

858 ac

Z. T. Francis

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

DB 39/222

Z. T. Francis

C. D. Greenlee, Joseph Hartman, B. Forst, Joseph
Hartman, Jr., and Patrick Gallagher
Joseph Hartman, Joseph Hartman, Jr., and Patrick
Gallagher

DB 39/248

Clinton D. Greenlee and Clara M. Greenlee, his wife, and Bernard
Forst and Jennie Forst, his wife

DB 47/112

Joseph Hartman, Joseph Hartman, Jr., and Patrick Gallagher,
individually and dba Hartman Oil Company

South Penn Oil Company

DB 79/216

South Penn Oil Company

Hope Natural Gas Company

DB 91/8

Hope Natural Gas Company

Consolidated Gas Supply Corporation

DB 233/387

Consolidated Gas Supply Corporation

Consolidated Gas Transmission Corporation

OG 66A/69

Consolidated Gas Transmission Corporation

CNG Transmission Corporation

Corp. Book 13/151

CNG Transmission Corporation

Eastern States Oil & Gas, Inc.

OG 76A/232

Eastern States Oil & Gas, Inc.

Blazer Energy Corp.

Corp. Book 12/253

Blazer Energy Corp.

Eastern States Oil & Gas, Inc.

Corp. Book 12/259

Eastern States Oil & Gas, Inc.

Eastern States, Inc.

WV SOS

Eastern States, Inc.

Equitable Production-Eastern States, Inc.

WV SOS

Equitable Production-Eastern States, Inc.

Equitable Production Company

WV SOS

Equitable Production Company

EQT Production Company

Corp. Book 13/14



June 6, 2022

Via FedEx Overnight

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

RECEIVED
Office of Oil and Gas
JUN 7 2022

RE: Well Work Permit Modification
BIG245 112H Well
Permit Number 47-103-03445
Grant District, Wetzel County, WV

WV Department of
Environmental Protection

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 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

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

CHK# 591832
Amt \$5000
Date 3/2/22

06/17/2022



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

Fwd: Expedited Modification Horizontal H6A Well Work Permits API: (47-103-03445)

1 message

Stansberry, Wade A <wade.a.stansberry@wv.gov>
To: Scott Lemley <slemley@wvassessor.com>

Mon, Jun 13, 2022 at 11:03 AM

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**

----- Forwarded message -----

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

Date: Mon, Jun 13, 2022 at 10:26 AM

Subject: Expedited Modification Horizontal H6A Well Work Permits API: (47-103-03445)

To: John <JZavatchan@eqt.com>, Shrum, Becky <bshrum@eqt.com>, Todd <tklaner@eqt.com>, Erin Spine <espine@eqt.com>, Olivia Pishioneri <opishioneri@eqt.com>, <Branden.Weimer@eqt.com>, Scott Lemley <lemley@assessor.state.wv.us>, Greynolds, Kenneth L <kenneth.l.greynolds@wv.gov>

I have attached a copy of the newly issued well permit numbers:

47-103-03445 - BIG245 112H

These will serve as your copy.

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**

 47-103-03445 - mod 2.pdf
4105K**06/17/2022**