



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, January 16, 2026
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
2200 ENERGY DRIVE

CANONSBURG , PA 15317

Re: Permit Modification Approval for Energy Cynic 14H
47-103-03754-00-00

Lateral Extension

EQT PRODUCTION COMPANY

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

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

A handwritten signature in black ink that reads "Jason Harmon".

H. Jason Harmon
Acting Chief

Operator's Well Number: Energy Cynic 14H
Farm Name: Ruth Koontz (LE) & Michael Koontz (Remainderman)
U.S. WELL NUMBER: 47-103-03754-00-00
Horizontal 6A New Drill
Date Modification Issued: 1/16/2026

Promoting a healthy environment.

01/23/2026

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

1) Well Operator: EQT Production Company
Operator ID County District Quadrangle

2) Operator's Well Number: 14H Well Pad Name: Energy Cynic

3) Farm Name/Surface Owner: Ruth Koontz & Michael Koontz Public Road Access: CR 9/2 (Robinson Ridge Road)
Life Estate Remainderman

4) Elevation, current ground: 1,368' (built) Elevation, proposed post-construction: 1,368' (built)

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

(b) If Gas Shallow X Deep
Horizontal X

6) Existing Pad: Yes or No Yes

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, 7,576', 50', 2,620 psi

8) Proposed Total Vertical Depth: 7,576'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,408'

11) Proposed Horizontal Leg Length: 15,566'

12) Approximate Fresh Water Strata Depths: No Freshwater Zones listed

13) Method to Determine Fresh Water Depths: Offset wells - 103-02265, 103-01822, 103-31026, 103-00344

14) Approximate Saltwater Depths: 2002, 2122

15) Approximate Coal Seam Depths: 880'-884', 1,098'-1,102', 1,206'-1,212'

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 X

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

*Ch# 609962
2500000*

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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	45 ft^3 / CTS
Fresh Water	13 3/8	New	J-55	54.5	1261	1261	1125 ft^3 / CTS
Coal							
Intermediate	9 5/8	New	J-55	36	2689	2689	1025 ft^3 / CTS
Production	5 1/2	New	P-110	20	24408	24408	500' above intermediate casing
Tubing							
Liners							

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	0.312	1000	18	Class A/L	1.04 - 1.20
Fresh Water	13 3/8	17 1/2	0.380	2730	2184	Class A/L	1.04 - 1.20
Coal							
Intermediate	9 5/8	12 3/8 - 12 1/4	0.352	3520	2816	Class A/H/L	1.04 - 1.20
Production	5 1/2	8 3/4 - 8 1/2	0.361	14360	11488	Class A/H/L	1.04 - 2.10
Tubing							
Liners							

PACKERS

Kind:				
Sizes:				
Depths Set:				

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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): 27.73 acres

22) Area to be disturbed for well pad only, less access road (acres): 15.44 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: 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.

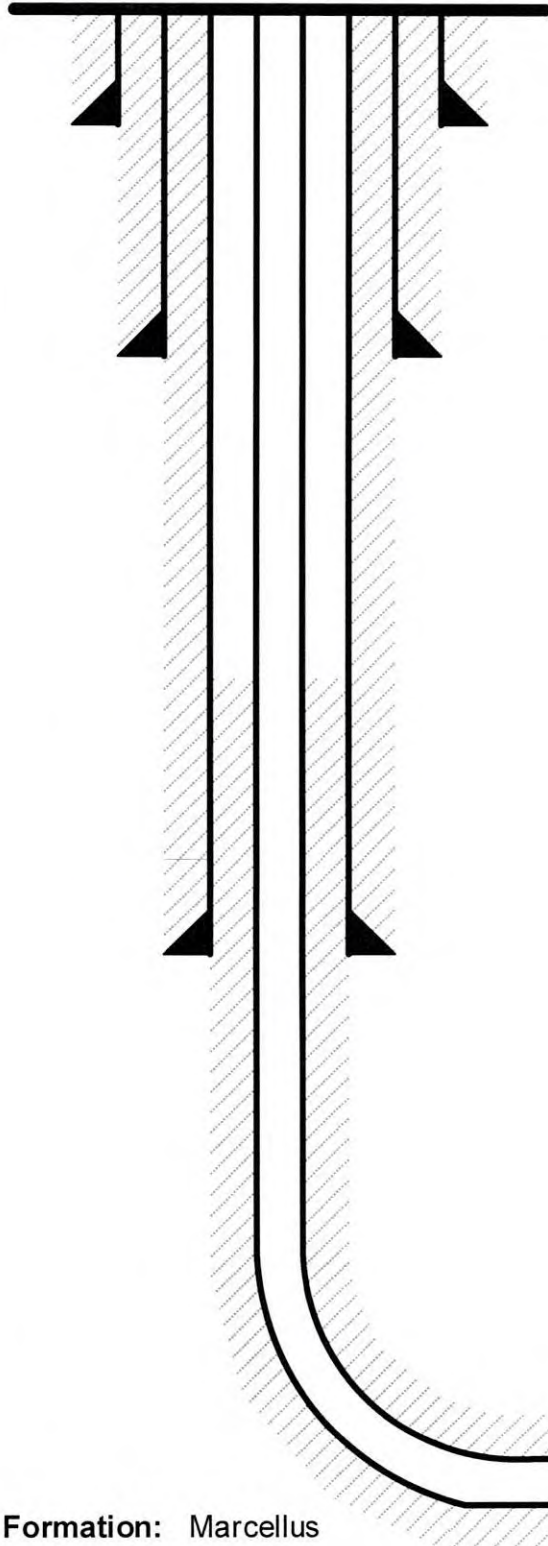
Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until the shakers are clean. Check volume of cuttings coming across the shakers every 15 minutes.

*Note: Attach additional sheets as needed.

EQT Production**Wellbore Diagram**

Well: Energy Cynic 14H
Pad: Energy Cynic
Elevation: 1368' GL 1381' KB

County: Wetzel
State: West Virginia



Conductor @ 53'

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

Surface @ 1,261'

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

Intermediate @ 2,689'

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

Production @ 24,408' MD / 7,576' TVD

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

Formation: Marcellus

Stephen
Mccoy

Digitally signed by Stephen
Mccoy
Date: 2025.12.17 08:48:12
-05'00'

NOT TO SCALE
01/23/2026

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Energy Cynic

Drilling Objectives:

Marcellus

S-001221

County:

Wetzel

Quad:

Littleton

Elevation:

1381 KB

1368 GL

Recommended Azimuth

156 Degrees

ESTIMATED FORMATION TOPS

Formation	Top (TVD)	Base (TVD)	Lithology	Comments
Fresh Water Zone	1	278		FW Show from Permit App of 4710302265
Waynesburg	879	883 Coal	Not Mined	
Sewickley	1097	1101 Coal	Not Mined	
Pittsburgh	1205	1211 Coal	Not Mined	
Big Lime	2361	2477 Limestone		SW @ 2001,2121, ,
Big Injun	2503	2639 Sandstone		
Int. csg pt	2689			
Weir	2756	5120 Sandstone		Not near storage
Gantz	3086	3454 Silty Sand		
Bayard	3454	3964 Silty Sand		
Speechley	3874	4040 Silty Sand		Base of Offset Well Production at 3318' TVD
Alexander	5915	6373 Silty Sand		
Elks	6373	7107 Gray Shales and Silts		
Sonyea	7107	7280 Gray shale		
Middlesex	7280	7320 Shale		
Genesee	7320	7399 Gray shale interbedded		
Geneseo	7399	7423 Black Shale		
Tully	7423	7446 Limestone		
Hamilton	7446	7552 Gray shale with some		
Marcellus	7552	7601 Black Shale		
Purcell	7569	7571 Limestone		
-Lateral Zone	7576			MRC Target
Cherry Valley	7583	7585 Limestone		
Onondaga	7601	Limestone		

Top RR Base RR
No Red Rock Listed in Offsets

Base of Red Rock

Target Thickness	50 feet
Max Anticipated Rock Pressure	2620 PSI

Comments:

All measurements taken from estimated KB elevation.

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

	CSG OD	13 3/8	Casing Depth KB	Casing Depth GLE	
Fresh Water/Coal	CSG OD	13 3/8	1261	1248	50' below Pittsburgh Coal
Intermediate 1:	CSG OD	9 5/8	2689	2676	50' below Big Injun Base
Production:	CSG OD	5 1/2	@ TD	@ TD	@ TD

EQT Production
Hydraulic Fracturing Monitoring Plan
Pad ID: Energy Cynic
County: Wetzel

December 17, 2025

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Environmental Protection

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 Energy Cynic 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.

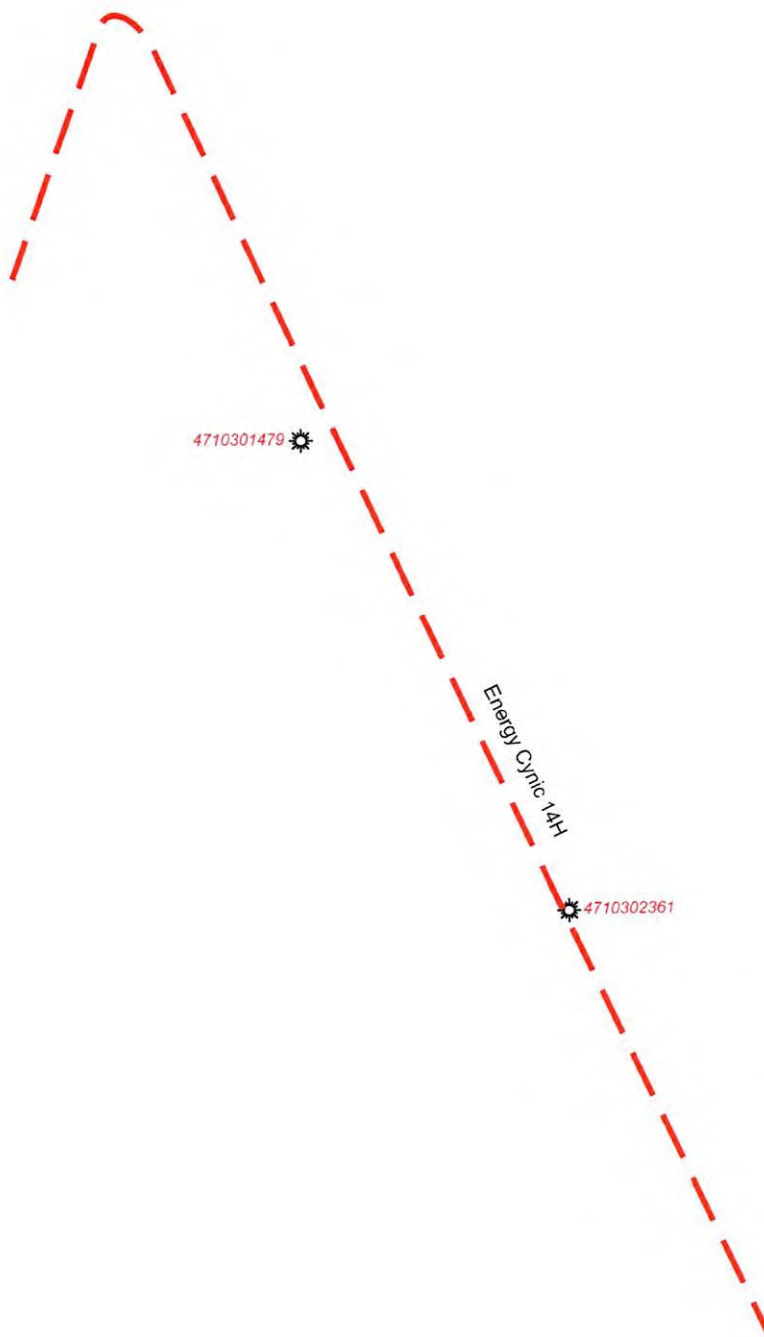
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WV DEPARTMENT OF
NATURAL RESOURCES

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EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

Energy Cynic

Vertical Offsets and
Foreign Laterals
within 500 Feet

Legend

Well Lateral_FM

Formation

- Geneseo
- Marcellus
- Utica



Energy Cynic_Offset_Wells

2000 1000 0 2000



Scale: 1 Inch = 2000 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



01/23/2026

UWI	ABAND_DATE	CURR_OPER	ELEV_REF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_ID	SPUD_DATE	ELEVATION	TOT_DEPTH
0165200000	NA	Noumenon Corporation	Unknown	Unnamed	Unclassified	39.691740	-80.536779	Noumenon Corporation	NA	2008	1250.00	NA
0182100000	NA	CNX Gas Company LLC	NA	NA	NA	39.698446	-80.543488	NA	NA	NA	NA	NA
0182200000	12/15/2014	CNX Gas Company LLC	ground	Littln-Sgr Rn	Development Well	39.694599	-80.541563	CNX Gas Company LLC	2095.00	12/8/2014	1343.00	2095.00
0182300000	12/19/2014	CNX Gas Company LLC	ground	Littln-Sgr Rn	Development Well	39.693852	-80.545880	CNX Gas Company LLC	2125.00	12/16/2014	1370.00	2125.00
0147800000	NA	Creston Oil Corporation	ground	Littln-Sgr Rn	Development Well	39.696090	-80.533590	TNG Inc.	NA	NA	1040.00	NA
0226500000	NA	Diversified Production LLC	Ground	Littln-Sgr Rn	Development Well	39.703486	-80.531716	DAC, Inc	3607.00	8/20/2007	1253.00	3607.00
0147900000	NA	Creston Oil Corporation	Ground	Littln-Sgr Rn	Development Well	39.695800	-80.530774	TNG, Inc	NA	2002	1180.00	NA
0218600000	NA	Diversified Production LLC	Ground	Knob Fork	Development Well	39.689565	-80.528520	Drilling Appalachian Corp.	3550.00	8/7/2006	1234.00	3550.00
0148000000	NA	Creston Oil Corporation	Ground	Littln-Sgr Rn	Development Well	39.698990	-80.526646	TNG, Inc	NA	NA	1300.00	NA
0175000000	NA	Diversified Production LLC	Ground	Big Rn-Burchfld	Development Well	39.627017	-80.563790	DAC, Inc	3711.00	9/4/1997	1168.00	3711
0000100000	NA	Philadelphia Oil Company	Barometer	Littln-Sgr Rn	Development Well	39.69725	-80.525143	Philadelphia Oil Company	NA	8/6/1929	1252	NA

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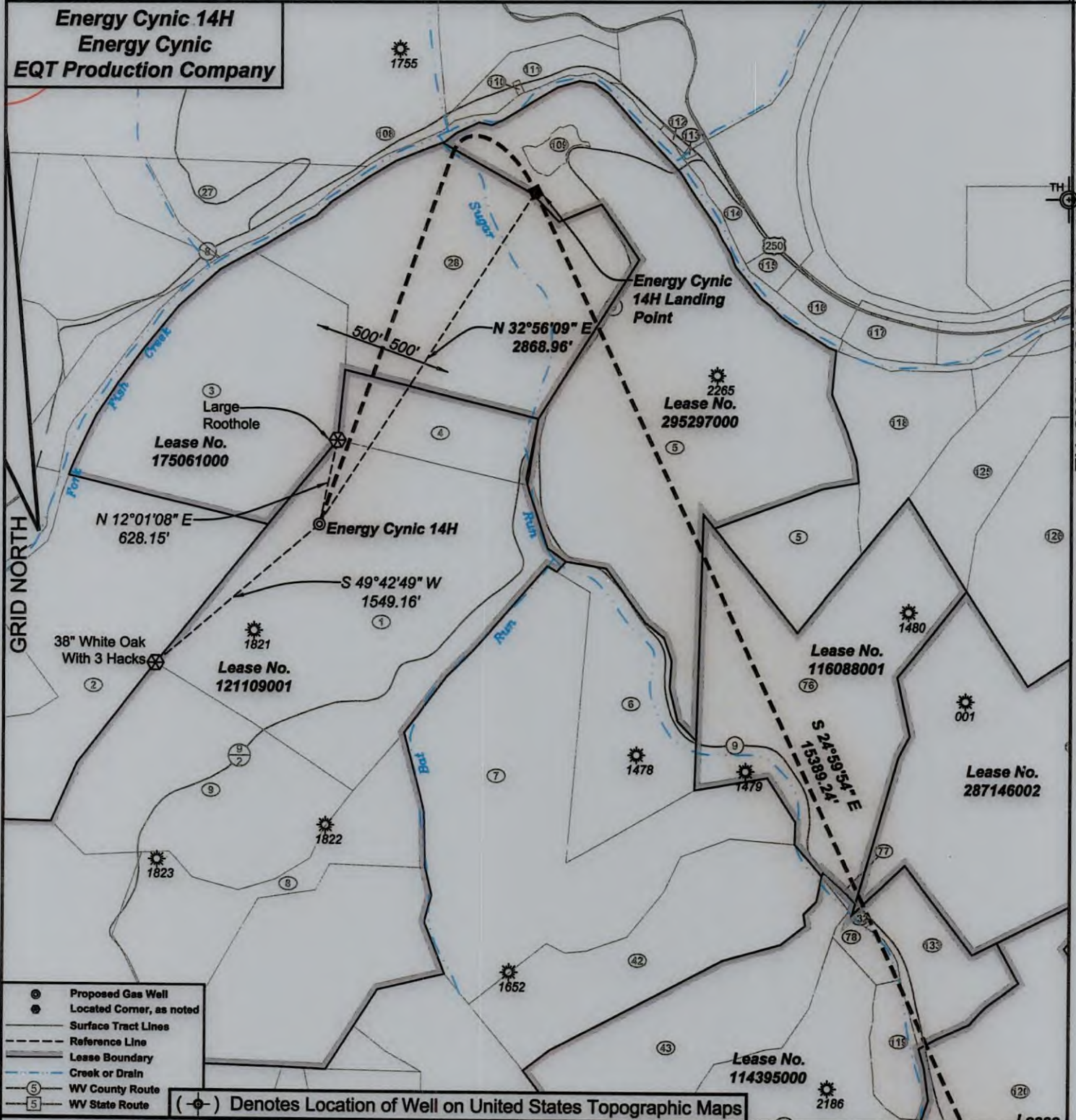
01/23/2026

TH: 51' LAT: 39-42-30

Energy Cynic 14H
Energy Cynic
EQT Production Company

GRID NORTH

TH: 2837' LONG: 80-32-30



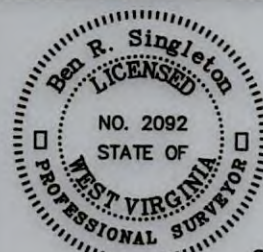
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

() 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: 59-22

DRAWING NO: Energy Cynic 14H

SCALE: 1" = 1000'

MINIMUM DEGREE OF ACCURACY:
1:2500PROVEN SOURCE OF ELEVATION:
NGS CORS Station**STATE OF WEST VIRGINIA**
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: December 16 20 25

OPERATOR'S WELL NO.: Energy Cynic 14H

API WELL NO

47 - 103 - 03754
STATE COUNTY PERMITWELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL(IF GAS) PRODUCTION: ☐ STORAGE ☐ DEEP ☒ SHALLOW

LOCATION: ELEVATION: 1368' WATERSHED Bat Run of Sugar Run of West Virginia Fork Fish Creek QUADRANGLE: Littleton

DISTRICT: Clay COUNTY: Wetzel

SURFACE OWNER: Ruth Koontz, Life Estate & Michael Koontz, Remainderman

ACREAGE: 84

ROYALTY OWNER: Stone Hill Minerals Holdings, LLC, et al.

LEASE NO: 121109001

ACREAGE: 339

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: 7576'

WELL OPERATOR: EQT Production Company

DESIGNATED AGENT: Joseph C. Mallow

ADDRESS: 2200 Energy Drive

ADDRESS: 427 Midstate Drive

Canonsburg, PA 15317

Clarksburg, WV 26301

BH: 3583' LAT: 39-42-30

Energy Cynic 14H
Energy Cynic
EQT Production Company

GRID NORTH

BH: 14285' LONG: 80-30-00



Lease No.
116088001

Lease No.
287146002

Lease No.
114395000

Lease No.
105334069

Lease No.
284520001

Lease No.
104572002

Lease No.
114869000

Lease No.
174803010

Lease No.
186200000

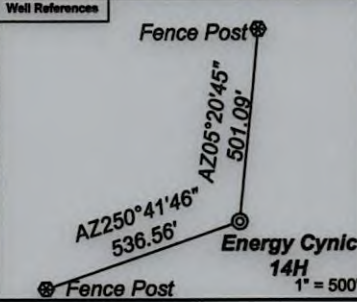
Lease No.
134061000

Energy Cynic
14H Bottom Hole

01/23/2026

Energy Cynic 14H
Energy Cynic
EQT Production Company

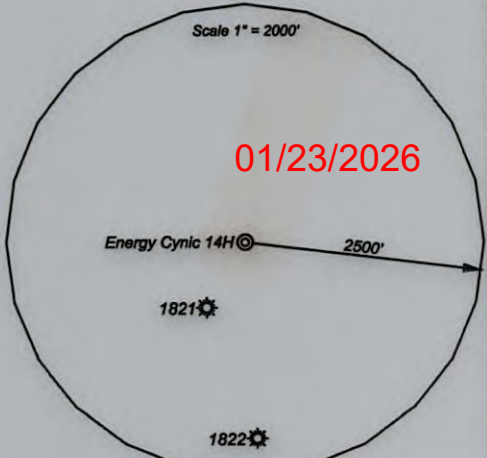
Tract I.D.	Tax Map No.	Parcel No.	County	District	Surface Tract Owner	Acres
1	5	10	Wetzel	Clay	Michael L. Koontz Life Estate	84
2	5	8	Wetzel	Clay	Wayne Carmint Realty LLC	52
3	1	32	Wetzel	Clay	Thomas Wade, Est.	50
4	1	34	Wetzel	Clay	Florence Oasconi	19
5	2	24	Wetzel	Clay	Corra Hix	147.35
6	5	12	Wetzel	Clay	Daniel L. Reggia	30
7	5	11	Wetzel	Clay	Barry J. & Elizabeth A. Frankel	80
8	5	27.1	Wetzel	Clay	Shaun D. Kuhn	18
9	5	9	Wetzel	Clay	Michael L. Koontz Life Estate	48
27	1	19	Wetzel	Clay	Wayne Carmint Realty LLC	17.5
28	1	33	Wetzel	Clay	Larry D. Roberts	70.5
42	5	20	Wetzel	Clay	Barry J. & Elizabeth A. Frankel	52
43	5	10	Wetzel	Clay	Barry J. & Elizabeth A. Frankel	43.46
53	5	18.1	Wetzel	Clay	EQT Gathering LLC	41.87
54	5	45.1	Wetzel	Clay	Robt L. & Sharon L. Rockel	6.5
58	5	53	Wetzel	Clay	Mary G. Wilson	22
59	5	52	Wetzel	Clay	Raymond V. & Lauren E. Knobbs	30
66	6	6	Wetzel	Clay	Bernard W. Schmitt	107
71	6	14	Wetzel	Clay	Holly A. Jilhill	33.741
72	7	16	Wetzel	Clay	Tyler Wilkies	89
75	6	15	Wetzel	Clay	Andrew A. Dudzinski	43.375
76	5	14	Wetzel	Clay	Hobt Paul Hoborls	65
77	5	13	Wetzel	Clay	Lee Booth, et al.	1
78	5	18	Wetzel	Clay	EQT Gathering LLC	1.69
79	5	45	Wetzel	Clay	James & Rhonda Tedrow	30
80	5	46	Wetzel	Clay	Mary G. Wilson	6
81	5	48	Wetzel	Clay	Mary G. Wilson	1
82	5	49	Wetzel	Clay	Robin Main	11
83	4	30	Wetzel	Clay	Arthur L. Unlton	29.8
84	5	50	Wetzel	Clay	Darren Yoho	5
85	4	51	Wetzel	Clay	Frirs of The Atonement Inc.	61.5
86	7	1	Wetzel	Clay	Frirs of The Atonement Inc.	43
87	7	3	Wetzel	Clay	Morris Family Irrevocable Trust	71.3
88	7	2.5	Wetzel	Clay	Bernard W. Schmitt	15.82
89	7	2.2	Wetzel	Clay	James R. Suty	13.33
90	7	2	Wetzel	Clay	Holr Parker	8.5
91	7	15	Wetzel	Clay	Larry Majoris	32.4
92	7	14	Wetzel	Clay	Ridgetop Appalachia LLC	86.25
96	7	17	Wetzel	Clay	Robin L. Ut	90.5
108	1	14	Wetzel	Clay	Gregory A. & Cynthia D. Gurby	15.8
109	1	17	Wetzel	Clay	Anderson-Bathel Cemetery	0.76
110	1	15	Wetzel	Clay	Sunshine State Investment Group LLC	0.12
111	1	16	Wetzel	Clay	Steven W. Dorby	5.9
112	2	24.1	Wetzel	Clay	Littleton Church of God	0.33
113	2	23	Wetzel	Clay	Church of God	0.29
114	2	25	Wetzel	Clay	Ezra Bissett Estate	5.08
115	2	25.1	Wetzel	Clay	Estolia Bradloy Estale	1.21
116	2	26	Wetzel	Clay	Brylyn L. Wharton	3.4
117	2	27	Wetzel	Clay	William L. Wharton	6
118	2	28	Wetzel	Clay	William L. Wharton	20
119	5	17	Wetzel	Clay	Charles Hamilton	5.3
120	5	16	Wetzel	Clay	Carolyn Shipman	44.5
121	5	47	Wetzel	Clay	Carolyn Shipman	30.5
123	4	31	Wetzel	Clay	Brian K. Britton	10
124	4	32	Wetzel	Clay	Coastal Forest Resources Company	92
125	2	55.2	Wetzel	Clay	Robert J. & Sylvia Schurr	37.28
126	2	56	Wetzel	Clay	Ria C. Hoberts	37.9
127	4	58	Wetzel	Clay	Robert W. Garrison	2.17
128	11	26	Wetzel	Clay	William & June McGlumphy Life Estate	3.25
129	1L	24	Wetzel	Clay	Calhoun Hamilton	1.9
130	2L	66	Wetzel	Clay	Kenneth C. Shreve, et al.	17
131	4	1	Wetzel	Clay	Gregory B. Null	116.3
132	5	15.1	Wetzel	Clay	Carl B. & Sharon Marshall	0.175
133	5	15	Wetzel	Clay	Charles Hamilton	15.58
134	4	2	Wetzel	Clay	Bradley A. Calp	16.9
135	4	3	Wetzel	Clay	Bradley A. Calp	42.5
136	4	28	Wetzel	Clay	Susan J. Minor	51.3
137	4	29	Wetzel	Clay	Goldie M. Britton	26
138	4	32.1	Wetzel	Clay	Goldie M. Britton	8
139	4	50	Wetzel	Clay	Richard L. Wise	28.2
140	4	50.1	Wetzel	Clay	Richard L. Wise	23.05
141	7	5	Wetzel	Clay	Stephen Varner	12.8
142	7	2.1	Wetzel	Clay	Howard W. Peirish Jr.	2
143	7	2.4	Wetzel	Clay	Peter Parker	0.5
144	7	15.1	Wetzel	Clay	Peter Parker	4.74
145	7	4	Wetzel	Clay	Howard W. Peirish Jr.	52.5



Notes:
Energy Cynic 14H coordinates are
NAD 27 N: 438,935.67 E: 1,706,802.26
NAD 27 Lat: 39.700461 Long: -80.542044
NAD 83 UTM N: 4,394,621.63 E: 539,278.09
Energy Cynic 14H Landing Point coordinates are
NAD 27 N: 441,343.47 E: 1,708,361.97
NAD 27 Lat: 39.707121 Long: -80.536600
NAD 83 UTM N: 4,395,363.15 E: 539,741.06
Energy Cynic 14H Bottom Hole coordinates are
NAD 27 N: 427,396.78 E: 1,714,885.77
NAD 27 Lat: 39.669037 Long: -80.512926
NAD 83 UTM N: 4,391,147.27 E: 541,793.35
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.

Energy Cynic 16H ©
Energy Cynic 14H ©
Energy Cynic 12H ©
Energy Cynic 10H ©
Energy Cynic 8H ©
Energy Cynic 6H ©
Energy Cynic 4H ©
Energy Cynic 2H ©

Lease No.	Owner	Acres
121109001	Stone Hill Minerals Holdings, LLC, et al.	339
175061000	OXY USA Inc., et al.	70.00 and 70.5 of 31,151.581
295297000	AMP Fund III, LP, et al.	150
116088001	Bounty Minerals, LLC, et al.	65
287148002	William J. Grottendeck, III, et al.	116.25
114395000	Stone Hill Minerals, Holdings, LLC	143.913
105334069	Bounty Minerals, LLC, et al.	30 and 30.5 of 464.95
284520001	Goldie M. Britton, et al.	26
104572002	Stone Hill Minerals Holdings, LLC, et al.	29.75
114869000	Catholic Solitude Corp., et al.	102
174803010	Marsha E. Maier, et al.	19.5
186200000	Three Rivers Royalty, II, LLC, et al.	250
134061000	Tug Hill Minerals I, LLC	80.25 of 89



**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

RECEIVED
OFFICE OF OIL AND GAS

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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: Branden Weimer

Its: Regional Manager - Permitting



Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>121109001</u>	<u>Stone Hill Minerals Holdings, LLC, et al.</u> Stone Hill Minerals Holdings, LLC	339 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 185A/486
<u>175061000</u>	<u>OXY USA Inc., et al.</u> BRC Appalachian Minerals I LLC BRC Appalachian Minerals I, LLC BRC Minerals LP BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Exchange Titleholder, LLC SWN Production Company, LLC Statoil USA Onshore Properties, Inc. Antero Exchange Properties, LLC Antero Resources Corporation	70.00 ac and 70.5 ac of 31,151.581 ac	BRC Working Interest Company LLC BRC Working Interest Company, LLC Chesapeake Appalachia, L.L.C. Statoil USA Onshore Properties, Inc. SWN Production Company, LLC SWN Exchange Titleholder, LLC SWN Production Company, LLC Antero Exchange Properties, LLC Antero Exchange Properties, LLC Antero Resources Corporation EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 102A/505 OG 103A/320 OG 103A/470 OG 120A/109 OG 157A/540 OG 158A/801 Corp. Book 13/296 OG 177A/533 OG 177A/738 Corp. Book 13/311 OG 269A/533
<u>295297000</u>	<u>AMP Fund III, LP, et al.</u> Cora Belle Hix Tri-County Oil and Gas, Inc. Hayhurst Company Hayhurst Company Piney Holdings, Inc.	150 ac	Tri-County Oil and Gas, Inc. Hayhurst Company Piney Holdings, Inc. Piney Holdings, Inc. EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 86A/364 OG 89A/387 OG 118A/410 OG 124A/919 OG 420A/398
<u>116088001</u>	<u>Bounty Minerals, LLC, et al</u> Bounty Minerals, LLC Antero Resources Corporation	65 ac	Antero Resources Corporation EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 192A/86 OG 231A/22
<u>287146002</u>	<u>William J. Grottendieck, III, et al</u> Virginia Grottendieck, Conservator for the Estate of William J. Grottendieck, III	116.25 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 429A/655
<u>114395000</u>	<u>Stone Hill Minerals Holdings, LLC</u> E. Pearlina Wetzel Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc.	143.913 ac	Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc. EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 85A/348 OG 153A/640 OG 175A/707
<u>105334069</u>	<u>Bounty Minerals, LLC, et al</u> CBC Holdings, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties	30 ac and 30.5 ac of 464.95 ac	Drilling Appalachian Corporation Statoil USA Onshore Properties EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 113A/946 OG 153A/640 OG 175A/707
<u>284520001</u>	<u>Goldie M. Britton, et al</u> Goldie M. Britton	26 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 426A/633
<u>104572002</u>	<u>Stone Hill Minerals Holdings, LLC, et al</u> Stone Hill Minerals Holdings, LLC	29.75 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 421A/562
<u>114869000</u>	<u>Catholic Solitude Corp., et al</u> Patrick Odea, et ux South Penn Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Transmission, Inc. CNX Gas Company, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc.	102 ac	South Penn Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Transmission, Inc. CNX Gas Company, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties, Inc. EQT Production Company	*at least 1/8th per WV Code 22-6-8"	DB 46/126 OG 9A/230 DB 233/387 OG 66A/69 Corp 13/151 Corp 13/158 MB 96/307 OG 157A/654 OG 153A/640 OG 175A/707
<u>174803010</u>	<u>Marsha E. Maier, et al</u> Marsha E. Maier Antero Resources Corporation	19.5 ac	Antero Resources Corporation EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 196A/438 OG 269A/533

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			*at least 1/8th per WV Code 22-6-8"
<u>186200000</u>	<u>Three Rivers Royalty, II, LLC, et al</u>	250 ac	
	J.W. and S.A. Newman	South Penn Oil Company	OG 44/500
	South Penn Oil Company	Hope Natural Gas Company	OG 9A/230
	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 13/151
	CNG Transmission Corporation	Dominion Transmission, Inc.	Corp 13/158
	Dominion Transmission, Inc.	CONSOL Energy Holdings LLC VI	MR 96/307
	CONSOL Energy Holdings LLC VI	CONSOL Energy Holdings XVI	MR 96/307
	CONSOL Energy Holdings LLC XVI	CONSOL Gas Company	Corp 13/114
	CONSOL Gas Company	CNX Gas Company LLC	MR 96/307
	CNX Gas Company, LLC	Noble Energy, Inc.	OG 126A/486
	Noble Energy, Inc.	HG Energy II Appalachia, LLC	OG 203A/664
	Noble Energy, Inc.	HG Energy II Appalachia, LLC	OG 209A/141
	HG Energy II Appalachia, LLC	Antero Resources Corporation	OG 256A/882
	Antero Resources Corporation	EQT Production Company	OG 269A/533

			*at least 1/8th per WV Code 22-6-8"
<u>134061000</u>	<u>Tug Hill Minerals I, LLC</u>	80.25 ac of 89 ac	
	Franklin Fragale	Drilling Appalachian Corporation	OG 84A/464
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 103A/58
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 118A/171
	Drilling Appalachian Corporation	Grenadier Energy Partners, LLC	OG 124A/9
	Grenadier Energy Partners, LLC	Statoil USA Onshore Properties Inc.	OG 138A/1
	Drilling Appalachian Corporation	Statoil USA Onshore Properties Inc.	OG 138A/54
	Statoil USA Onshore Properties Inc., et al	EQT Production Company	OG 175A/707

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

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WV Department of
Environmental Protection

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