



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 16H
47-103-03755-00-00

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 "H. Jason Harmon".

H. Jason Harmon
Acting Chief

Operator's Well Number: Energy Cynic 16H
Farm Name: Ruth Koontz (LE) & Michael Koontz (Remainderman)
U.S. WELL NUMBER: 47-103-03755-00-00
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 306686 Wetzel Clay Littleton
Operator ID County District Quadrangle
- 2) Operator's Well Number: 16H 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: 25,259'
- 11) Proposed Horizontal Leg Length: 16,184'
- 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: _____

DEC 19 2025

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Ch # 6099103
250000

WW-6B
(04/15)

API NO. 47- 103 - 03755
OPERATOR WELL NO. 16H
Well Pad Name: Energy Cynic

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	25259	25259	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:				DEC 19 2025
Sizes:				WW Registered at ENR 10/1/2025
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): 27.73 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:

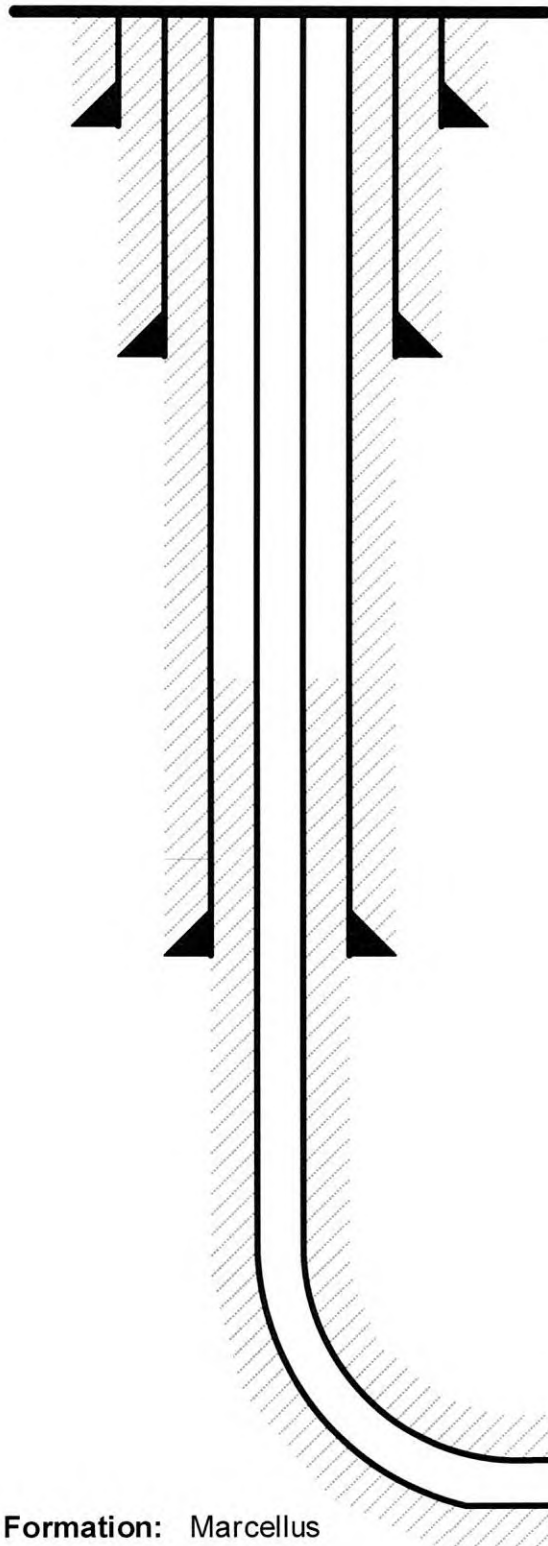
Surface: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
Intermediate: Circulate hole clean while rotating & reciprocating the drill string until cuttings diminish at surface.
Production: Perform a cleanup cycle by pumping 3-8 bottoms up or until 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 16H
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

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Environmental Protection

Production @ 25,259' 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 08:49:34
-05'00'

NOT TO SCALE
01/23/2026

WEST VIRGINIA GEOLOGICAL PROGNOSIS

Energy Cynic

Drilling Objectives:

County:

Quad:

Elevation:

Recommended Azimuth

Marcellus

Wetzel

Littleton

1381 KB

156 Degrees

S-001221

1368 GL

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		
Genesee	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	9 5/8	1261	1248	50' below Pittsburgh Coal
Intermediate 1:	CSG OD	5 1/2	2689	2676	50' below Big Injun Base
Production:	CSG OD		@ TD	@ TD	@ TD

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

December 17, 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 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.

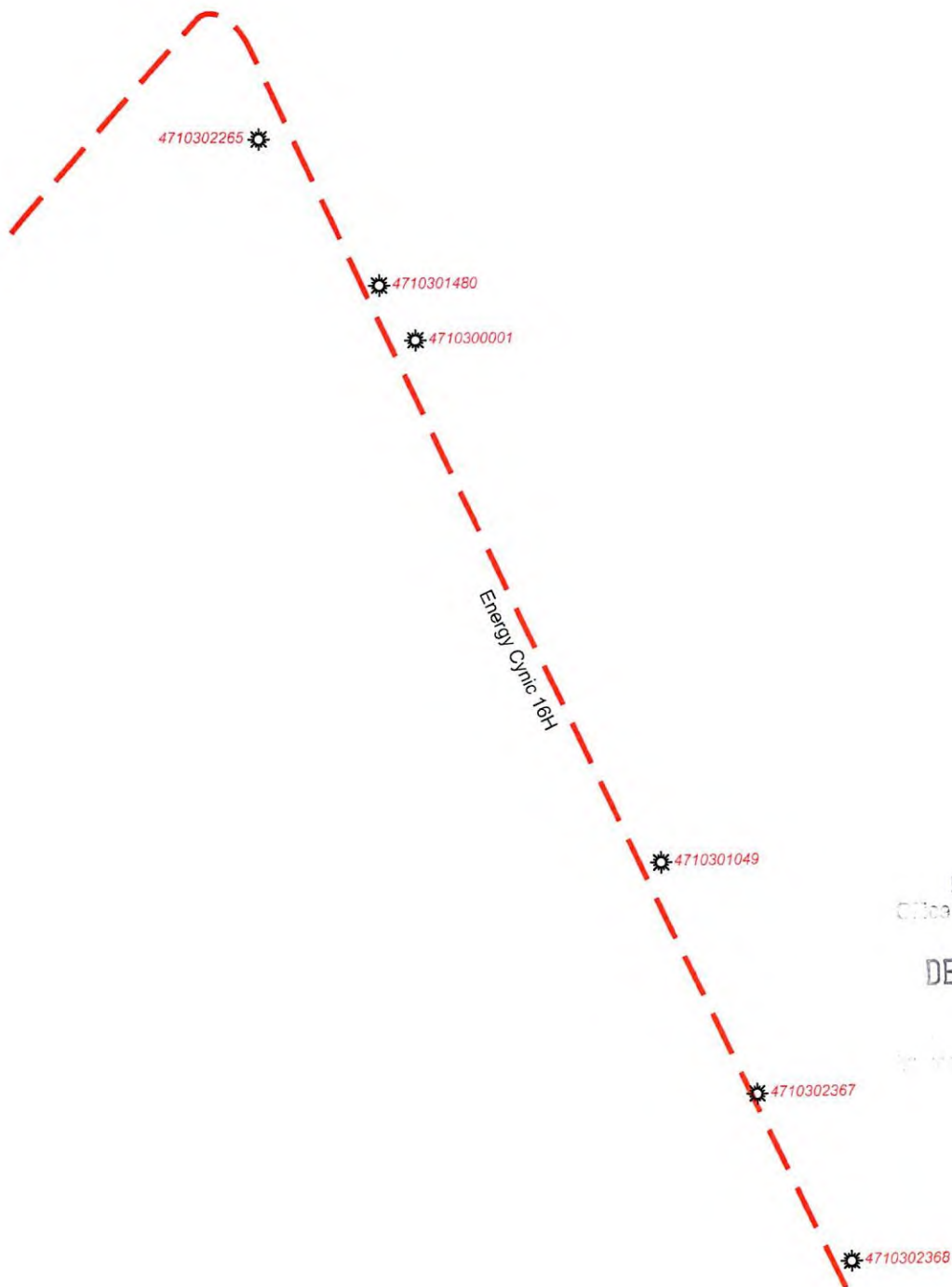
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WETZEL COUNTY, PA



EQT Corporation
625 Liberty Avenue
Pittsburgh, PA 15222

Energy Cynic

Vertical Offsets and
Foreign Laterals
within 500 Feet

Legend

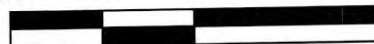
Well Lateral_FM
Formation

- 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

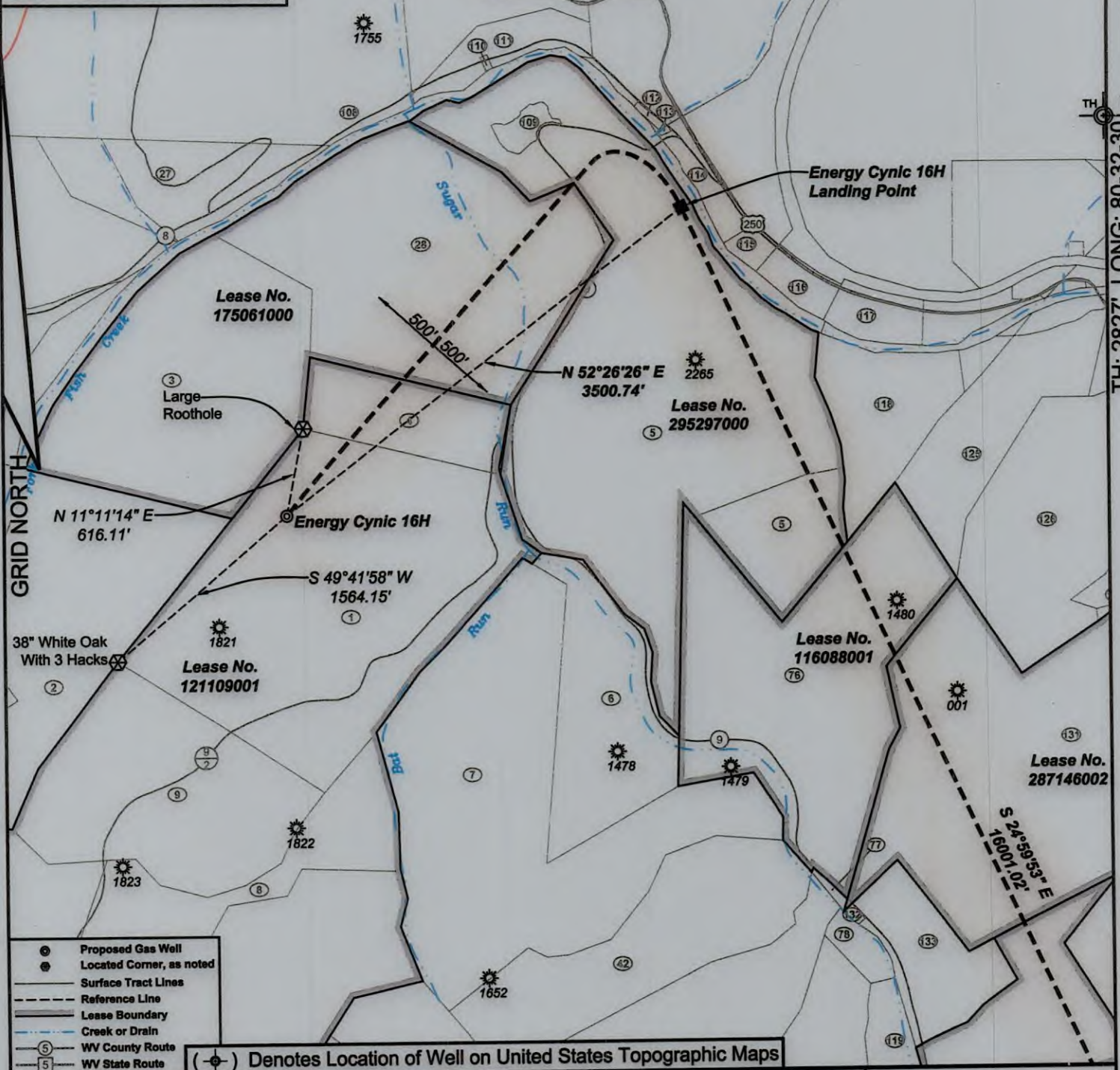
UWI	ABAND_DATE	CURR_OPER	ELEV_RF_CD	FIELD_NAME	FNL_CLASS	LATITUDE	LONGITUDE	OPER_NAME	PROJ_TD	SPUD_DATE	ELEVATION	TOT_DEPTH
0165200000	NA	Noumenon Corporation	Unknown	Unnamed	Unclassified	39.691740	-80.536779	Noumenon Corporation	NA	2008	1250.00	NA
0182100000	NA	CNX Gas Company LLC	NA	NA	NA	39.698446	-80.543488	NA	NA	NA	NA	NA
0182200000	12/15/2014	CNX Gas Company LLC	ground	Littltn-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	Littltn-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	Littltn-Sgr Rn	Development Well	39.696090	-80.533590	TNG Inc.	NA	NA	1040.00	NA
0226500000	NA	Diversified Production LLC	Ground	Littltn-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	Littltn-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	Littltn-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	Littltn-Sgr Rn	Development Well	39.69725	-80.525143	Philadelphia Oil Company	NA	8/6/1929	1252	NA

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TH: 40' LAT: 39-42-30

TH: 2827' LONG: 80-32-30

Energy Cynic 16H
Energy Cynic
EQT Production Company



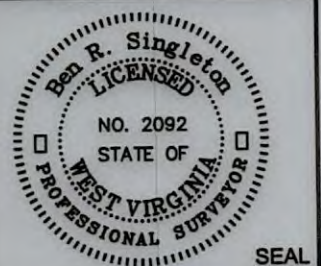
- Proposed Gas Well
- Located Corner, as noted
- Surface Tract Lines
- Reference Line
- Lease Boundary
- Creek or Drain
- WV County Route
- WV State Route

(•) 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



FILE NO: 59-22

DRAWING NO: Energy Cynic 16H

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 16H

API WELL NO

47	103	03755
STATE	COUNTY	PERMIT

WELL 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: 34

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: 2090' LAT: 39-42-30

Energy Cynic 16H
Energy Cynic
EQT Production Company

Lease No.
116088001

Lease No.
287146002

S 24°59'53" E
16001.02'

Lease No.
286578000

Lease No.
134727000

Lease No.
105334069

Lease No.
284520001

Lease No.
1862000000

Lease No.
114869000

Lease No.
175061000

Lease No.
174803010

Lease No.
186200000

Lease No.
1862000000

Lease No.
131625000

Lease No.
124453014

Lease No.
119073000

Energy Cynic 16H
Bottom Hole

01/23/2026

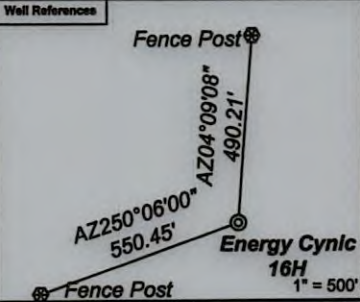
GRID NORTH

BH: 15086' LONG: 80-30-00

Energy Cynic 16H
Energy Cynic
EQT Production Company

Tract I.D.	Tax Map No.	Parcel No.	County	District
1	5	10	Wetzel	Clay
2	5	8	Wetzel	Clay
3	1	32	Wetzel	Clay
4	1	34	Wetzel	Clay
5	2	24	Wetzel	Clay
6	5	12	Wetzel	Clay
7	5	11	Wetzel	Clay
8	5	27.1	Wetzel	Clay
9	5	9	Wetzel	Clay
27	1	19	Wetzel	Clay
28	1	33	Wetzel	Clay
42	5	20	Wetzel	Clay
53	5	18.1	Wetzel	Clay
54	5	45.1	Wetzel	Clay
59	5	52	Wetzel	Clay
66	6	6	Wetzel	Clay
72	7	16	Wetzel	Clay
76	5	14	Wetzel	Clay
77	5	13	Wetzel	Clay
78	5	18	Wetzel	Clay
79	5	45	Wetzel	Clay
80	5	46	Wetzel	Clay
81	5	48	Wetzel	Clay
83	4	30	Wetzel	Clay
84	5	50	Wetzel	Clay
85	4	51	Wetzel	Clay
86	7	1	Wetzel	Clay
87	7	3	Wetzel	Clay
88	7	2.5	Wetzel	Clay
89	7	2.2	Wetzel	Clay
90	7	2	Wetzel	Clay
91	7	15	Wetzel	Clay
92	7	14	Wetzel	Clay
96	7	17	Wetzel	Clay
101	7	19	Wetzel	Clay
108	1	14	Wetzel	Clay
109	1	17	Wetzel	Clay
110	1	15	Wetzel	Clay
111	1	16	Wetzel	Clay
112	2	24.1	Wetzel	Clay
113	2	23	Wetzel	Clay
114	2	25	Wetzel	Clay
115	2	25.1	Wetzel	Clay
116	2	26	Wetzel	Clay
117	2	27	Wetzel	Clay
118	2	28	Wetzel	Clay
119	5	17	Wetzel	Clay
120	5	16	Wetzel	Clay
121	5	47	Wetzel	Clay
123	4	31	Wetzel	Clay
124	4	32	Wetzel	Clay
125	2	55.2	Wetzel	Clay
126	2	59	Wetzel	Clay
127	4	58	Wetzel	Clay
128	1L	25	Wetzel	Clay
129	1L	24	Wetzel	Clay
130	2L	66	Wetzel	Clay
131	4	1	Wetzel	Clay
132	5	15.1	Wetzel	Clay
133	5	15	Wetzel	Clay
134	4	2	Wetzel	Clay
135	4	3	Wetzel	Clay
136	4	28	Wetzel	Clay
137	4	29	Wetzel	Clay
138	4	32.1	Wetzel	Clay
139	4	50	Wetzel	Clay
140	4	50.1	Wetzel	Clay
141	7	5	Wetzel	Clay
142	7	2.1	Wetzel	Clay
143	7	2.4	Wetzel	Clay
144	7	15.1	Wetzel	Clay
145	7	4	Wetzel	Clay
146	4	25	Wetzel	Clay
147	4	33	Wetzel	Clay
148	4	49	Wetzel	Clay
149	7	15.2	Wetzel	Clay
150	7	13	Wetzel	Clay
151	7	12	Wetzel	Clay

Surface Tract Owner	Acres
Michael L. Koontz Life Estate	84
Wayne Carmint Realty LLC	52
Thomas Wade, Est.	50
Ronrico Cascon	19
Cori Hix	147.35
Daniel L. Reggia	30
Barry J. & Elizabeth A. Frankel	80
Shaun D. Kuhn	18
Michael L. Koontz Life Estate	48
Wayne Carmint Realty LLC	17.5
Larry D. Hoberts	70.5
Larry J. & Elizabeth A. Frankel	52
LOI Gathering LLC	41.67
Hobl L. & Sharon L. Hockel	6.5
Raymond V. & Lauren F. Knobbs	30
Bernard W. Schmitt	107
Tyler Wilkes	89
Robert Paul Roberts	65
Lee Booth, et al.	1
EQI Gathering LLC	1.59
James & Roscoe Tatrov	30
Mary G. Watson	6
Mary G. Watson	1
Arthur E. Britton	29.8
Darren Yoho	5
Friars of The Atonement Inc.	61.5
Friars of The Atonement Inc.	43
Morris Family Irrevocable Trust	71.3
Bernard W. Schmitt	15.82
James R. Saly	13.33
Peter Parker	8.5
Larry Majoris	32.4
Ridgtop Appalachia LLC	85.25
Hoblin L. Utt	90.5
McClach Land LLC	73.211
Gregory A. & Cynthia D. Gorbey	15.8
Anderson Bethel Cemetery	0.76
Sunshine State Investment Group LLC	0.12
Steven W. Derby	5.9
Littleton Church of God	0.33
Church of God	0.29
Ezra Bissett Estate	5.08
Estella Bradley Estate	1.21
Felwyn I. Wharton	3.4
William L. Wharton	6
William L. Wharton	20
Charles Hamilton	5.3
Carolyn Shipman	44.5
Carolyn Shipman	30.5
Brian K. Britton	10
Coastal Forest Resources Company	92
Robert J. & Sylvia Schurr	37.28
Rita C. Roberts	37.9
Robert W. Garrison	2.17
William & June McGumphy Life Estate	3.25
Catherine Hamilton	1.79
Kenneth C. Shreve, et al.	17
Gregory L. Null	116.3
Carl R. & Sharon Marshall	0.175
Charles Hamilton	15.58
Bradley A. Oalp	16.9
Bradley A. Oalp	42.5
Susan J. Minor	51.3
Coldie M. Britton	26
Coldie M. Britton	8
Richard L. Wise	28.2
Richard L. Wise	23.05
Stephen Varner	12.8
Howard W. Parrish Jr.	2
Peter Parker	0.5
Peter Parker	4.74
Howard W. Parrish Jr.	52.5
Ralph M. Crouse	56.5
Jack & Linda Mason	19.09
Jack & Linda Mason	7.48
Stephen Armstrong	1.7
Howard W. Parrish Jr.	24.5
Wilda M. & Peggy L. Church	208.35



Notes:
Energy Cynic 16H coordinates are
NAD 27 N: 438,945.66 E: 1,706,813.45
NAD 27 Lat: 39.700489 Long: -80.542005
NAD 83 UTM N: 4,394,624.73 E: 539,281.45
Energy Cynic 16H Landing Point coordinates are
NAD 27 N: 441,079.57 E: 1,709,588.41
NAD 27 Lat: 39.706435 Long: -80.532230
NAD 83 UTM N: 4,395,289.00 E: 540,116.05
Energy Cynic 16H Bottom Hole coordinates are
NAD 27 N: 428,578.42 E: 1,716,350.75
NAD 27 Lat: 39.666836 Long: -80.507618
NAD 83 UTM N: 4,390,905.51 E: 542,249.93
West Virginia Coordinate system of 1983 (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 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
287146002	William J. Grottdieck, III, et al.	116.25
105334069	Bounty Minerals, LLC, et al.	77.40 of 464.95
286578000	Liberty Holding Company, Inc.	14.5
134727000	Ronald K. Minor, et al.	48
284520001	Goldie M. Britton, et al.	26
186200000	Three Rivers Royalty, II, LLC, et al.	126.82 of 250
114869000	Catholic Solitude Corp., et al.	102
175061000	OXY USA, Inc., et al.	51.75 of 31,151.581
174803010	Marsha E. Maier, et al.	19.5
131625000	WV Minerals, Inc.	4.74
124453014	BBRM, LLC, et al.	32.8375
119073000	RT Fin 2023 LLC	85.25



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>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>105334069</u>	<u>Bounty Minerals, LLC, et al</u> CBC Holdings, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties	77.40 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>286578000</u>	<u>Liberty Holding Company, Inc.</u> Liberty Holding Company, Inc. SWN Production Company	14.5 ac	SWN Production Company EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 327A/290 OG 415A/536
<u>134727000</u>	<u>Ronald K. Minor, et al</u> Ronald K. Minor	48 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 201A/383
<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>186200000</u>	<u>Three Rivers Royalty, II, LLC, et al</u> J.W. and S.A. Newman South Penn Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Transmission, Inc. CONSOL Energy Holdings LLC VI CONSOL Energy Holdings LLC XVI CONSOL Gas Company CNX Gas Company, LLC Noble Energy, Inc. Noble Energy, Inc. HG Energy II Appalachia, LLC HG Energy II Appalachia, LLC Antero Resources Corporation	126.82 ac of 250 ac	South Penn Oil Company Hope Natural Gas Company Consolidated Gas Supply Corporation Consolidated Gas Transmission Corporation CNG Transmission Corporation Dominion Transmission, Inc. CONSOL Energy Holdings LLC VI CONSOL Energy Holdings XVI CONSOL Gas Company CNX Gas Company LLC Noble Energy, Inc. HG Energy II Appalachia, LLC HG Energy II Appalachia, LLC Antero Resources Corporation EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 44/500 OG 9A/230 DB 233/387 OG 66A/69 Corp 13/151 Corp 13/158 MR 96/307 MR 96/307 Corp 13/114 MR 96/307 OG 126A/486 OG 203A/664 OG 209A/141 OG 256A/882 OG 269A/533

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WV DEPARTMENT OF
NATURAL RESOURCES

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<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>175061000</u>	<u>OXY USA, Inc., et al</u> BRC Appalachian Minerals I LLC & 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	51.75 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 324A/748
<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
<u>131625000</u>	<u>WV Minerals, Inc.</u> WV Minerals, Inc. Antero Resources Corporation	4.74 ac	Antero Resources Corporation EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 194A/486 OG 231A/59
<u>124453014</u>	<u>BBRM, LLC, et al</u> Janet Irene Waters	32.8375 ac	EQT Production Company	*at least 1/8th per WV Code 22-6-8"	OG 489/782
<u>119073000</u>	<u>RT Fin 2023 LLC</u> Charlotte Rose George	85.25 ac	Drilling Appalachian Corporation	*at least 1/8th per WV Code 22-6-8"	OG 90A/532

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Environmental Protection

01/23/2026



E Q T P R O D U C T I O N C O M P A N Y
2200 Energy Drive | Canonsburg, PA 15317

December 17, 2025

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

Re: Energy Cynic 16H 6A1 Addendum

Dear Mr. Brewer,

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

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

If you have any questions, please do not hesitate to contact me at 724-250-0180 or OPishioneri@eqt.com

Sincerely,

A handwritten signature in blue ink, appearing to read 'Olivia Wilson', written over a light blue horizontal line.

Olivia Wilson
Project Specialist - Permitting

Enc.

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Lease No.	Grantor, Lessor, etc.	Acres	Grantee, Lessee, etc.	Royalty	Book/Page
<u>131495009</u>	<u>Three Rivers Royalty II, LLC, et al</u> Ronald H. Wharton et ux Antero Resources Corporation	22.3125 ac	Antero Resources Corporation EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 182A/179 OG 231A/22
<u>104572002</u>	<u>Stone Hill Minerals Holdings, LLC, et al</u> Stone Hill Minerals Holdings, LLC	39.75 ac	EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 421A/562
<u>114397001</u>	<u>Thomas J. Iacoboni, Trustee of the Thomas J. Iacoboni Revocable Trust Agreement, dated 5/15/2018, et al</u> Thomas J. Iacoboni, a married man dealing in his sole and separate property Drilling Appalachian Corporation Grenadier Energy Partners Drilling Appalachian Corporation Grenadier Energy Partners, LLC Drilling Appalachian Corporation Statoil USA Onshore Properties	52.50 ac	Drilling Appalachian Corporation Grenadier Energy Partners Statoil USA Onshore Properties Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. Statoil USA Onshore Properties Inc. EQT Production Company	"at least 1/8th per WV Code 22-6-8"	OG 86A/414 OG 124A/9 OG 138A/1 OG 138A/54 OG 153A/695 OG 153A/640 OG 175A/707

 Force Pool Tract(s) Within Lease Boundaries

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01/23/2026

Energy Cynic 16H
EQT Production Company
"Lease No. 131495009 Addendum"

Lease No.
131495009

Lease No.
295297000

Lease No.
116088001

Proposed Well Bore

40.78'



Scale: 1 Inch = 10 Feet



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

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

PARTY CHIEF: NA

RESEARCH: NA

SURVEYED: NA

FIELD CREW: NA

DRAWING NO: 16H Addendum
Lease 131495009.dwg

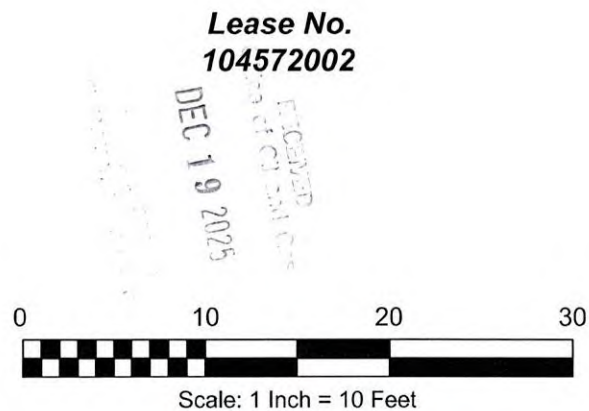
PROJECT NO: 59-34-C-22

PREPARED: December 03, 2025

DRAWN BY: Tim Rutledge

Sheet 1 of 1

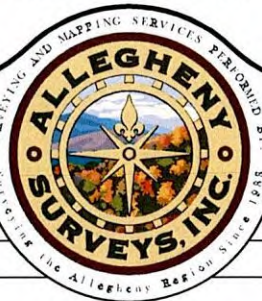
Energy Cynic 16H
EQT Production Company
"Lease No. 104572002 Addendum"



Proposed Well Bore

22.03'

Lease No.
1862000000



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

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

PARTY CHIEF: NA

RESEARCH: NA

SURVEYED: NA

FIELD CREW: NA

DRAWING NO: 16H Addendum
Lease 104572002.dwg

PROJECT NO: 59-34-C-22

PREPARED: December 03, 2025

DRAWN BY: Tim Rutledge

Sheet 1 of 1

Energy Cynic 16H
EQT Production Company
"Lease No. 114397001 Addendum"

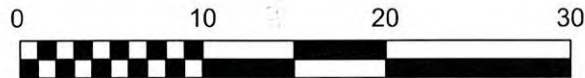
Lease No.
175061000

Lease No.
114397001

Lease No.
1862000000

Proposed Well Bore

4.25'



Scale: 1 Inch = 10 Feet



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

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

PARTY CHIEF: NA

RESEARCH: NA

SURVEYED: NA

FIELD CREW: NA

DRAWING NO: 16H Addendum
Lease 114397001.dwg

PROJECT NO: 59-34-C-22

PREPARED: December 12, 2025

DRAWN BY: Tim Rutledge

Sheet 1 of 1