



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, October 16, 2023
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODLIFF DR.

CANONSBURG, PA 15317

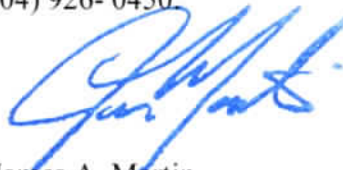
Re: Permit Modification Approval for WILLETT S-7HM
47-051-02421-00-00

Adding a facilities pad

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: WILLETT S-7HM
Farm Name: CNX LAND LLC
U.S. WELL NUMBER: 47-051-02421-00-00
Horizontal 6A New Drill
Date Modification Issued: 10/16/2023

Promoting a healthy environment.

10/20/2023



Willett Well Site

Site Design, Construction Plan, & Erosion and Sediment Control Plans

Tug Hill Operating

Marshall County

Meade District

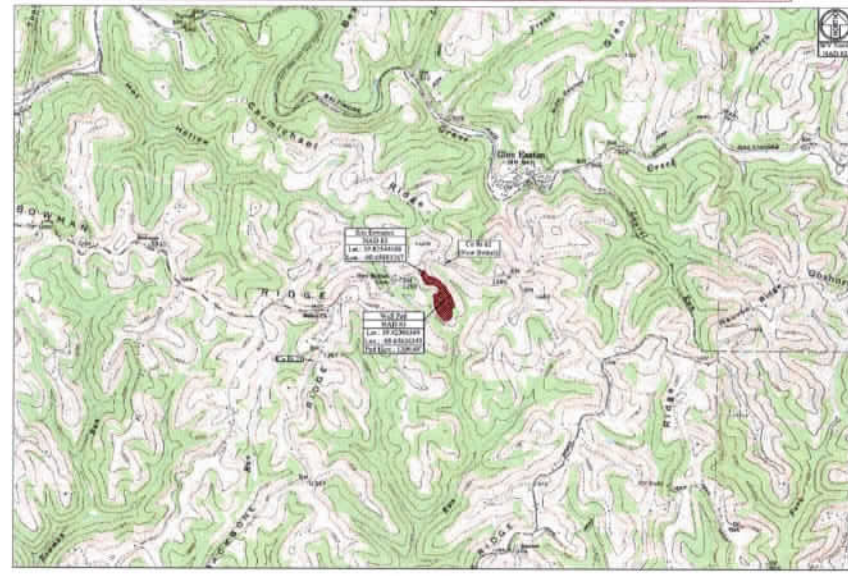
Latitude 39.82306349°
Longitude -80.65626349°
Middle Fish Creek Watershed

Pertinent Site Information
 Willett Well Site
 Emergency Number: 304-845-1920
 Meade District, Marshall County, WV
 Watershed: Middle Fish Creek Watershed
 Tug Hill Contact Number: 1-817-632-3400

Parcel No.	Area (Ac.)	Owner
17-31-00-00-0000-000	3.00	TUG HILL OPERATING
17-31-00-00-0000-001	3.00	TUG HILL OPERATING
17-31-00-00-0000-002	3.00	TUG HILL OPERATING
17-31-00-00-0000-003	3.00	TUG HILL OPERATING
17-31-00-00-0000-004	3.00	TUG HILL OPERATING
17-31-00-00-0000-005	3.00	TUG HILL OPERATING

Exhibit A: As-Built Modification

Sheet	Coordinates	Coordinates	Coordinates	Coordinates	Coordinates
WV 17-31-00-00-0000-000	3982306.349	-8065626.349	3982306.349	-8065626.349	3982306.349
WV 17-31-00-00-0000-001	3982306.349	-8065626.349	3982306.349	-8065626.349	3982306.349
WV 17-31-00-00-0000-002	3982306.349	-8065626.349	3982306.349	-8065626.349	3982306.349
WV 17-31-00-00-0000-003	3982306.349	-8065626.349	3982306.349	-8065626.349	3982306.349
WV 17-31-00-00-0000-004	3982306.349	-8065626.349	3982306.349	-8065626.349	3982306.349
WV 17-31-00-00-0000-005	3982306.349	-8065626.349	3982306.349	-8065626.349	3982306.349



Station	Start	End	Width	Notes
0+00	0+00	0+50	12.00	
0+50	0+50	1+00	12.00	
1+00	1+00	1+50	12.00	
1+50	1+50	2+00	12.00	
2+00	2+00	2+50	12.00	
2+50	2+50	3+00	12.00	
3+00	3+00	3+50	12.00	
3+50	3+50	4+00	12.00	
4+00	4+00	4+50	12.00	
4+50	4+50	5+00	12.00	
5+00	5+00	5+50	12.00	
5+50	5+50	6+00	12.00	
6+00	6+00	6+50	12.00	
6+50	6+50	7+00	12.00	
7+00	7+00	7+50	12.00	
7+50	7+50	8+00	12.00	
8+00	8+00	8+50	12.00	
8+50	8+50	9+00	12.00	
9+00	9+00	9+50	12.00	
9+50	9+50	10+00	12.00	

Category	Area (Ac.)
Well Pad	0.10
Gravel Area	0.10
Access Road	0.10
Trailer Pad	0.10
Construction Area	0.10
Site Office	0.10
Material Storage	0.10
Total Disturbed Area	0.60

Item	Quantity	Unit	Notes
Asphalt	1200	SF	
Gravel	1200	SF	
Concrete	100	CY	
Reinforcement Steel	100	LB	
Formwork	100	SF	
Excavation	100	CY	
Backfill	100	CY	
Stormwater	100	CFD	
Other	100	CFD	
Total	2600		

APPROVED
WVDEP OOG
 Modification
 10/16/2023

Project Contacts

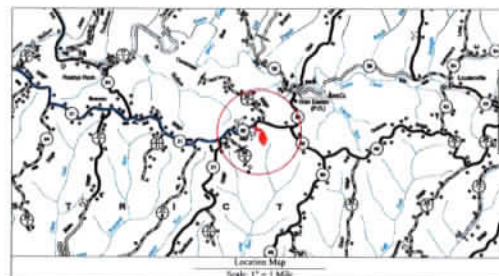
Tug Hill Operating
 Contact: Mike Hester
 Phone: 304-845-1920
 Email: mher@tughill.com

811
 Know what's below. Call before you dig.

Approach Route:
 From the intersection of WV 82 and 12th Street in Meadsboro, WV. Travel South on WV 82 for 3.1 mi. Turn Left onto Ash Rd. Follow Ash Rd for 1.5 mi. Turn Right onto Co Rd 21 (Bohmer Ridge Rd). Follow Co Rd 21 for 9.1 mi. Turn Left onto Co Rd 62 (New Herbol). Follow Co Rd 62 for 0.9 mi. The site entrance will be on the Right (South) side of the road.

Flowchart Conditions
 If [Condition] is met, then [Action].

Site Location (NAD 83)			
Station	Latitude (N)	Longitude (W)	Elevation (ft)
Site Entrance	3982306.349	-8065626.349	3982306.349
Center of Well Pad	3982306.349	-8065626.349	3982306.349



Well Location Restrictions:

- All well construction must comply with the following restrictions:
- *20' Buffer around existing well or abandoned casing used for future or pending activities.
- *10' Buffer from any existing building or structure (not to be placed in or near) measured from the center of the well.
- *10' Buffer from the edge of disturbance to wetland, potential stream, canal or artificial water pond or structure.
- *10' Buffer from the edge of disturbance to a partially disturbed stream channel.
- *10' Buffer of surface or ground-water feature to a public water supply.

Well Location Restrictions of WV Code 21-A-6-15:

The well shall be constructed, installed, and used in accordance with the following conditions: (1) The well shall be installed in a location that does not interfere with the existing water supply system; (2) The well shall be installed in a location that does not interfere with the existing water supply system; (3) The well shall be installed in a location that does not interfere with the existing water supply system.

Sheet Description:

1	Cover Sheet
2	Schedule of Quantities
3	Site Notes
4	Construction Site Conditions
5	Site Soil Map
6	Overall Plan View
7	Plan View
8	Cross Section - Well Pad
9	Cross Section - Well Pad Access Road
10	Cross Section - Well Pad Access Road Tie
11-G1	Geotechnical Exhibit
11-G2	Landscape Disturbed Area Exhibit
11-G3	Site Reclamation
11-G4	Production Exhibit
11-G5	Erosion and Sediment Control Details
11-G6	Access Road Details
11-G7	Well Details

THIS DOCUMENT PREPARED FOR TUG HILL OPERATING

Willett Well Site
 Meade District, WV
 Marshall County, WV

Date: 07/13/2023
 Scale: As Shown
 Drawn By: JCS
 Filed By:
 Item 1 of 10

