



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, April 1, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit Modification Approval for HUDSON S-8HM
47-051-02379-00-00

Adding an AST to the 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.

A blue ink signature of James A. Martin, Chief.

James A. Martin
Chief

Operator's Well Number: HUDSON S-8HM
Farm Name: CNX LAND LLC
U.S. WELL NUMBER: 47-051-02379-00-00
Horizontal 6A New Drill
Date Modification Issued: 4/1/2024

Promoting a healthy environment.

04/05/2024

Hudson Well Site

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

Tug Hill Operating Marshall County Meade District

Latitude 39.82881036°
Longitude -80.67262857°
Grave Creek Watershed

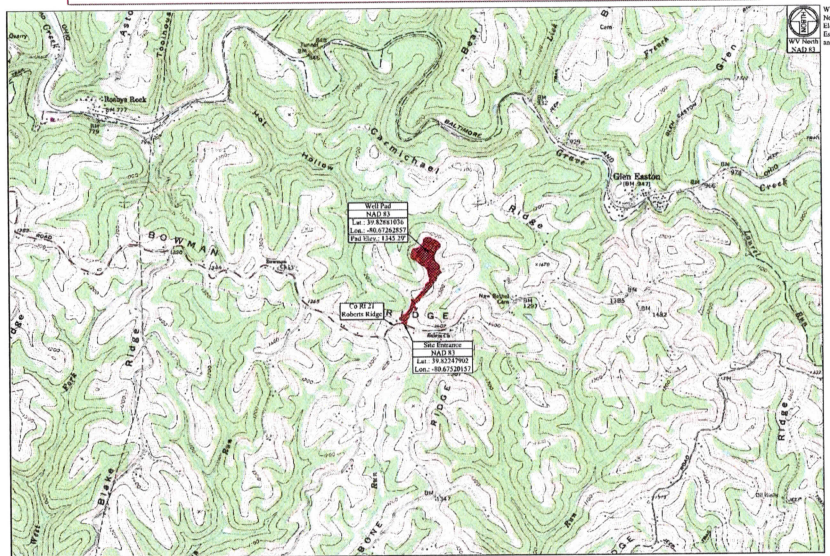
Pertinent Site Information
Hudson Well Site
Emergency Number: 304-845-1920
Meade District, Marshall County, WV
Watershed: Grave Creek Watershed
Tug Hill Contact Number: 1-817-632-3400

APPROVED
WVDEP OOG
MODIFICATION
4/1/2024



Owner	TM	Parcel	Well Pad	Access Road	Topsoil Paving	AML Clearing	Total Disturbed
Robert & Melissa White	3.13	-	0.56	0.13	0.01	1.34	4.13
CNX Land LLC	3.1	6.18	1.36	1.96	1.96	17.48	23.04
Site Totals (Ac)	6.18	1.94	2.13	11.69	32.94		

Exhibit A: As-Built



Weather	TM	Parcel	Road Length	Type
Robert & Melissa White	3.13	3.00	1.00	New Access Road Construction
CNX and LLC	3.1	9.76	9.76	New Access Road Construction
CNX Land LLC	3	1.00	1.00	New Access Road Construction

Well Pad Construction	6.18 Ac.
Access Road Construction	3.94 Ac.
Topsoil Paving Material	2.13 Ac.
Additional Clearing	11.69 Ac.
Total Disturbed Area	24.94 Ac.

Final Revegetation Estimate	17.88 Ac.
Final Loss of Access Road	12.55 Ac.

Site Entrance	Center of Well Pad	Center of Proposed AST	AST Depth
WV NAD 83 N: 460144.17 WV NAD 83 E: 460144.17 WV NAD 27 N: 460144.17 WV NAD 27 E: 460144.17 Lat. NAD 83: 39.82881036 Lon. NAD 83: -80.67262857 UTM 17 NAD 83 N: 460144.17 UTM 17 NAD 83 E: 460144.17	WV NAD 83 N: 460144.17 WV NAD 83 E: 460144.17 WV NAD 27 N: 460144.17 WV NAD 27 E: 460144.17 Lat. NAD 83: 39.82881036 Lon. NAD 83: -80.67262857 UTM 17 NAD 83 N: 460144.17 UTM 17 NAD 83 E: 460144.17	WV NAD 83 N: 460144.17 WV NAD 83 E: 460144.17 WV NAD 27 N: 460144.17 WV NAD 27 E: 460144.17 Lat. NAD 83: 39.82881036 Lon. NAD 83: -80.67262857 UTM 17 NAD 83 N: 460144.17 UTM 17 NAD 83 E: 460144.17	Proposed AST (ft) (diameter) Secondary (ft) (diameter)

Description	Quantity	Unit	Notes
Well Pad Area	6.18	Ac.	
Access Road Area	3.94	Ac.	
Topsoil Paving Material	2.13	Ac.	
Additional Clearing	11.69	Ac.	
Total Disturbed Area	24.94	Ac.	
Final Revegetation Estimate	17.88	Ac.	
Final Loss of Access Road	12.55	Ac.	

Project Contacts

Tug Hill Operating
Jonathan White - Regulatory Analyst
734-448-2000 EXT. 304 ext-753 ext
(Email) jwhite - VP Production
817-632-5300 Ext.

Survey and Engineer
Kovarik Kelly
304-739-0935 GSE
John P. See
304-442-0220 OSE
Zachary Summerfield
304-739-0935 OSE

Soil/Bathymetry Consultant
American Geospatial, Inc.
Kurt Papp
304-340-4777 OSE

Tag Hill Operating, LLC
180 Southpointe Blvd.
Southpointe Plaza B1, Suite 200
Cranberry, PA 15117

Environmental
Watershed delineation as provided by Arthur Footley
dated November 6, 2018

Topographic Information:
The topographic information shown herein is based on aerial photography by Blue Mountain Aerial Mapping, Inc., WV

MISS UTILITY OF WEST VIRGINIA
1-800-245-8448
WEST VIRGINIA STATE
8400 S.W. Corporate Dr., #1000
Morgantown, WV 26506
www.wvmiss.com

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

WVDEP Website files show that there are no active and/or abandoned gas wells within the AOI

Approach Routes:

From the intersection of WV Rt 2 and 12th Street in Moundsville, WV. Travel South on WV Rt 2 for 1.3 mi. Turn Left onto WV Rt 2 AB (Round Bottom Hill Rd). Follow WV Rt 2 AB for 1.5 mi. Turn Right onto Co Rt 21 (Roberts Ridge Rd). Follow Co Rt 21 for 8.9 mi. The site entrance will be on the Left (North) side of the road.

Site Locations (NAD 27)

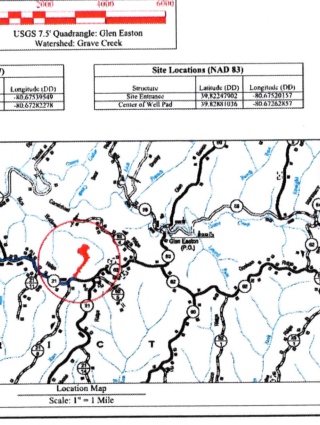
Structure	Latitude (DD)	Longitude (DD)
Site Entrance	39.82881036	-80.67262857
Center of Well Pad	39.82881036	-80.67262857

Site Locations (NAD 83)

Structure	Latitude (DD)	Longitude (DD)
Site Entrance	39.82881036	-80.67262857
Center of Well Pad	39.82881036	-80.67262857

Floodplain Conditions

Do site construction activities take place in a floodplain?	NO
Permit required from county floodplain coordinator?	NO
HEC-RAS Study completed?	NO
Floodplain shown on drawings?	NO
FIRM Map Number(s) for site?	680103179E
Special construction for floodplain?	NO



Well Location Restrictions

All Pad construction complete with the following restrictions:

- *25' from an existing well or developed spring used for human or domestic animals
- *25' from an occupied dwelling or home greater than 2,000 sq feet for poultry or dairy
- *25' from the edge of disturbance or a normally rippling stream
- *1,000' of a surface or ground water banks to a public water supply

(Well Location Restrictions of WV Code 22-6A-12)

Professional Engineer
Zachary C. Summerfield
Professional Engineer
No. 22214
WV License No. 22214
Date: 10-30-2024

RECEIVED
Office Of Oil and Gas
FEB 27 2024

Shirley Gower
3/19/2024

Sheet	Description
V1	Cover Sheet
N1-N4	Schedule of Quantities
1	Site Notes
2	Pre-Construction Site Conditions
3	Site Soil Map
4	Overall Plan View
5-7	Plan View
8-9	Cross Sections - Well Pad
10-11	Cross Sections - Access Road
Q1-Q2	Geotechnical Exhibit
L1	Landowner Disturbed Area Exhibit
S1	Site Reclamation
M1-M3	Production Exhibit
D1-D2	Erosion and Sediment Control Details
R1	Access Road Details
P1	Pad Details

Hudson Well Site
Meade District
Marshall County, WV

Date: 03/04/2021
Scale: As Shown
Designed By: ZS
File No.
Sheet 1 of 11

TUG HILL OPERATING

K&S Surveying
Professional Surveyors

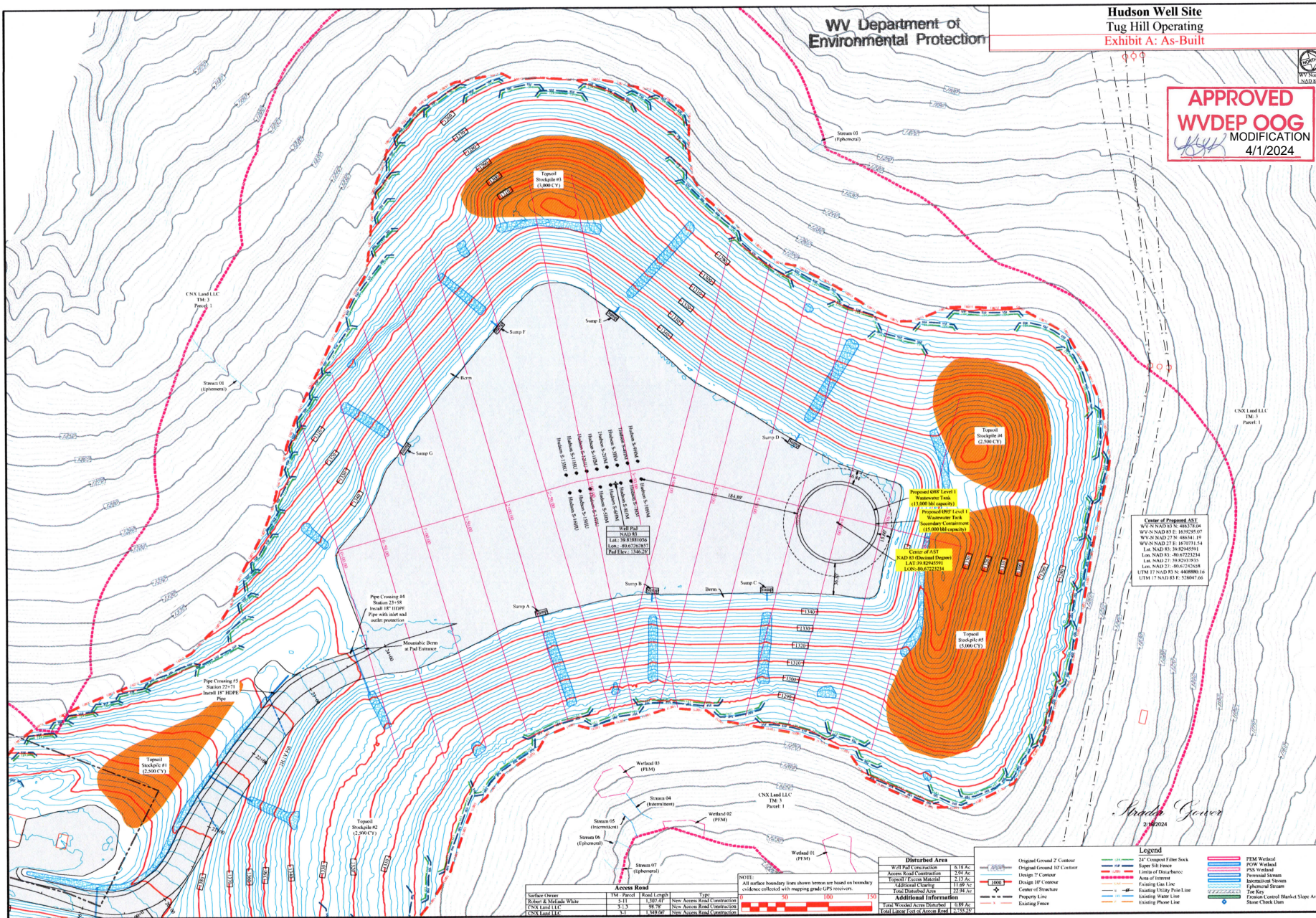
Hudson Well Site
Meade District
Marshall County, WV

FEB 27 2024

WV Department of
Environmental Protection

Hudson Well Site
Tug Hill Operating
Exhibit A: As-Built

APPROVED
WVDEP OOG
MODIFICATION
4/1/2024



SECTION: AS-Built - Proposed ASST Location

DATE: 02/26/2024

TUG HILL OPERATING

THIS DOCUMENT PREPARED FOR TUG HILL OPERATING

K-Surveying

Site Plan
Hudson Well Site
Menafe District
Marshall County, WV

DATE: 03/04/2021
SCALE: AS SHOWN
DESIGNED BY: ZS
FILE NO.
SHEET 7 OF 11