



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-3HM
47-051-02250-00-00

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.



James A. Martin
Chief

Operator's Well Number: HUDSON S-3HM
Farm Name: CNX LAND LLC
U.S. WELL NUMBER: 47-051-02250-00-00
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

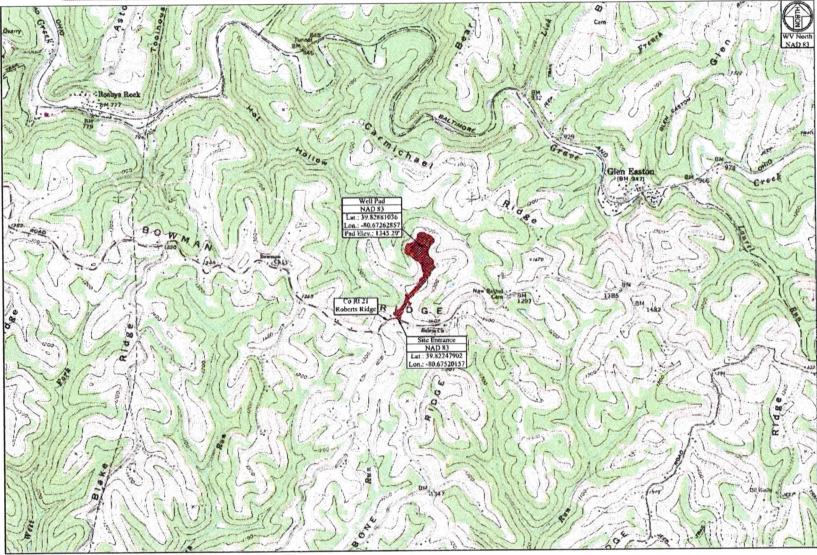
APPROVED
WVDEP OOG
 MODIFICATION
 4/1/2024



Property Owner Information - Hudson Well Site

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	17.80	23.60
Site Totals (Ac)	6.18	1.94	2.13	11.69	32.94		

Exhibit A: As-Built



Access Road

Weather	TM	Parcel	Road Length	Top
Robert & Melissa White	3.13	1.94	1.94	New Access Road Construction
CNX and LLC	3.1	6.18	9.76	New Access Road Construction
CNX Land LLC	3.1	1.96	1.96	New Access Road Construction

Disturbed Area

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.

Additional Information

Final Disturbed Area (Estimated)	17.80 Ac.
Final Layer Lost of Access Road	12.55 Ac.

Site Entrance

WVN NAD 83 N: 40344.78	Center of Well Pad	WVN NAD 83 N: 40344.17	Center of Proposed AST	AST Corner
WVN NAD 83 E: 43589.01	WVN NAD 83 N: 40344.17	WVN NAD 83 E: 43589.01	WVN NAD 83 N: 40344.17	Proposed AST (100' dia) (E) (diameter)
WVN NAD 27 N: 40344.78	WVN NAD 27 N: 40344.17	WVN NAD 27 E: 43589.01	WVN NAD 27 N: 40344.17	Proposed AST (100' dia) (E) (diameter)
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Well Pad

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Hudson Well Site Quantities

Description	Est. Qty	Unit	Spec. (WV)	Review (WV)	Max. Wast	Length of Slope
Well Pad Access Road	1,842.24	Linear Ft	100/12	244.50	11.3%	261.50'
Well Pad Access Road Grading	0.01	100 Sq Yd	-	201.79	20.14%	75.33'
Access Road Top	0.01	100 Sq Yd	-	11.80	10.24%	25.68'
Access Road Top	0.01	100 Sq Yd	-	14,088.24	N/A	N/A
Topsoil	15,794.01	Cu Yd	1100/17	14,088.24	-	-
Total	15,794.01	Cu Yd	1100/17	14,088.24	-	-

Project Contacts

Tug Hill Operating
 Jonathan White - Regulatory Analyst
 734-445-2000 (Ext. 304) or 734-445-2000
 Geoff Baker - V.P. Production
 817-632-3300 (Ext. 304)

Survey and Engineer
 Kevan Kelly
 304-736-0925 (Ext. 304)
 John P. See
 304-442-0220 (Ext. 304)

Soil Scientist/Field
 Zachary Summerfield
 304-736-0925 (Ext. 304)

Tag Hill Operating, LLC
 10 Southpointe Blvd.
 Southpointe Plaza B1, Suite 200
 Camarillo, VA 23117

Environmental
 Watershed delineation as provided by Afton Ecology
 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
 1-800-245-8484
 1000 10th Street, N.E., Charleston, WV 25304
 www.missutility.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



Site Locations (NAD 27)

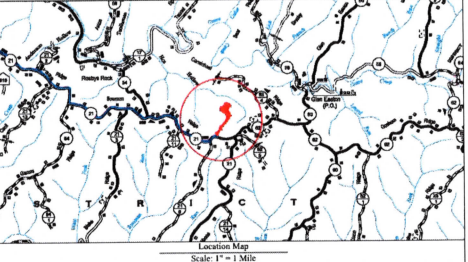
Structure	Latitude (DD)	Longitude (DD)
Site Entrance	39.827813 N	-80.672628 W
Center of Well Pad	39.827813 N	-80.672628 W

Site Locations (NAD 83)

Structure	Latitude (DD)	Longitude (DD)
Site Entrance	39.827813 N	-80.672628 W
Center of Well Pad	39.827813 N	-80.672628 W

Approach Routes:

From the intersection of WV Rt 2 and 12th Street in Mountainville, 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.



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 barn greater than 2,000 sq feet for poultry or dairy operations from the center of the pad.
- *50' 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)



Sheet

Sheet	Description
V1	Cover Sheet
NI-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
L2	Site Reclamation
M1-M3	Production Exhibit
D1-D2	Erosion and Sediment Control Details
R1	Access Road Details
P1	Pad Details

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

RECEIVED
 Office Of Oil and Gas
FEB 27 2024
 WV Department of Environmental Protection

TUG HILL OPERATING

THIS DOCUMENT PREPARED FOR TUG HILL OPERATING

K&S Surveying
 1000 10th Street, N.E., Charleston, WV 25304
 304-736-0925

Hudson Well Site
 Meade District, Marshall County, WV

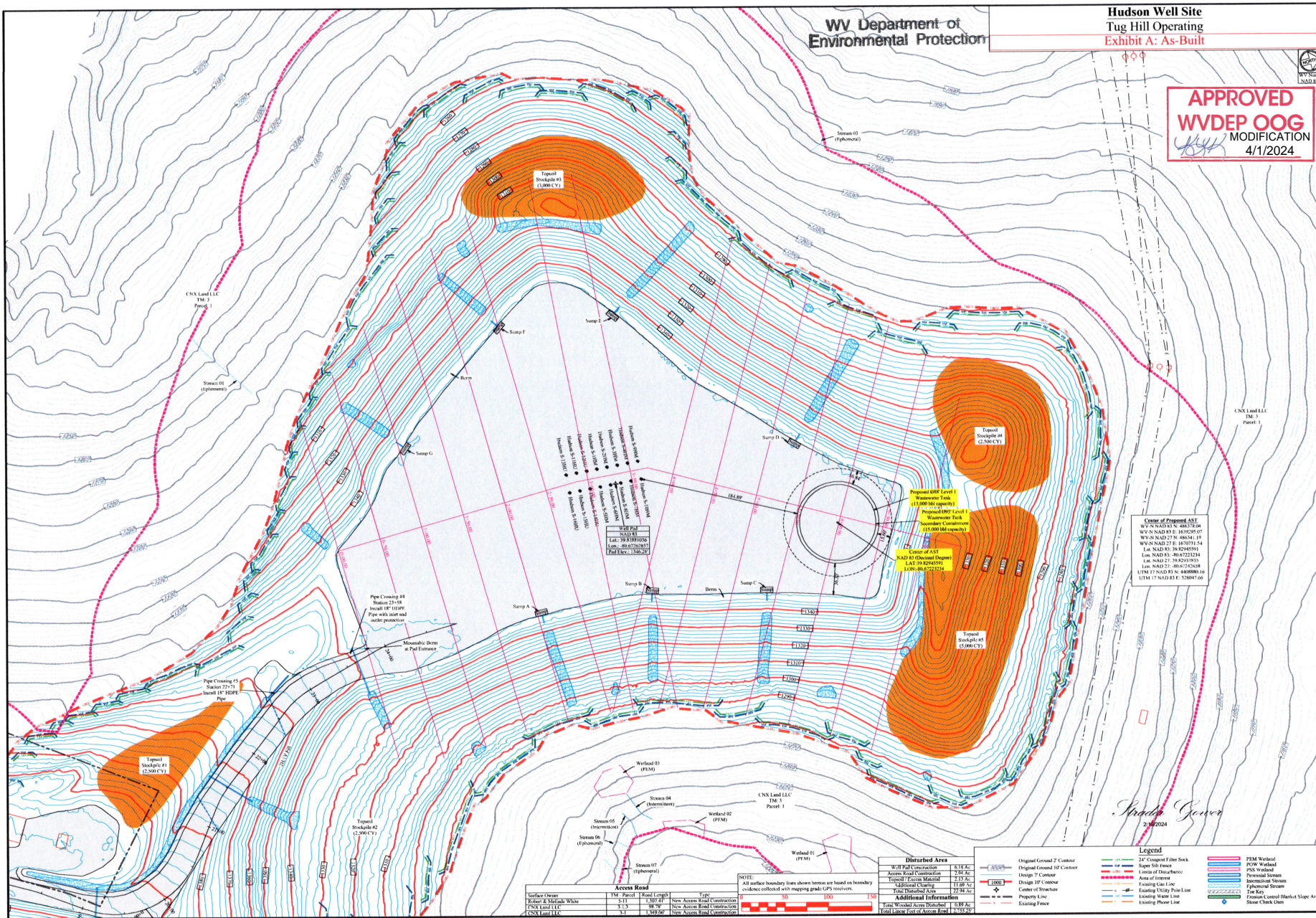
Cover Sheet
 Hudson Well Site
 Meade District, Marshall County, WV

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: 03/04/2024

TUG HILL OPERATING

THIS DOCUMENT PREPARED FOR TUG HILL OPERATING

K&S SURVEYING

Site Plan
Hudson Well Site
Menafe District
Marshall County, WV

DATE: 03/04/2024
SCALE: AS SHOWN
DESIGNED BY: ZS
FILE NO.:
SHEET 7 OF 11