



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-6HM
47-051-02377-00-00

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, written in a cursive style.

James A. Martin
Chief

Operator's Well Number: HUDSON S-6HM
Farm Name: CNX LAND LLC
U.S. WELL NUMBER: 47-051-02377-00-00
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 Pile	AML Clearing	Total Disturbed
Robert & Melissa White	5.1	-	0.56	0.17	0.91	1.34	4.11
CNX Land LLC	5.1	6.18	1.36	1.96	1.96	17.81	22.33
Site Totals (Ac)	6.18	1.94	2.13	11.69	32.94		

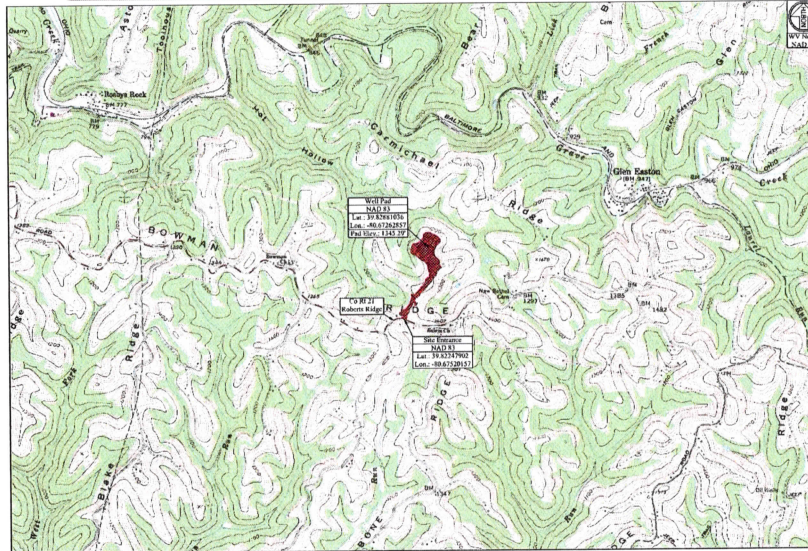
Exhibit A: As-Built

Site Entrance

WV NAD 83 N: 40344.78 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	Center of Well Pad	Center of Proposed AST
WV NAD 83 N: 40344.78 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01

AST Data

Proposed 11,000 gal (11' diameter) secondary containment
Proposed 11,000 gal (11' diameter) secondary containment



Access Road

Weather	TM	Parcel	Road Length	Top
Robert & Melissa White	4.1	1.30	1.30	New Access Road Construction
CNX and LLC	1.13	9.76	9.76	New Access Road Construction
CNX Land LLC	3.1	1.03	1.03	New Access Road Construction

Disturbed Area

Well Pad Construction	6.18 Ac
Access Road Construction	3.94 Ac
Topsoil Pile	0.91 Ac
Additional Clearing	11.69 Ac
Total Disturbed Area	22.94 Ac

Additional Information

Total Disturbed Area (Estimated)	22.94 Ac
Total Area of Access Road	12.55 Ac

Hudson Well Site Quantities

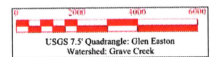
Description	Est. Qty	Est. Cost	Spec. (WV)	Review (WV)	Max. Wate	Length of Slope
Well Pad	4,000 Yd ³	\$1,000,000	11.3%	24.5'	11.3%	24.5'
Well Pad Access Road	1,000 Yd ³	\$250,000	11.3%	24.5'	11.3%	24.5'
Access Road	1,000 Yd ³	\$250,000	11.3%	24.5'	11.3%	24.5'
Topsoil Pile	1,000 Yd ³	\$250,000	N/A	N/A	N/A	N/A
Totals	7,000 Yd³	\$1,750,000	11.3%	24.5'	11.3%	24.5'

Well Yards

Hudson S-01M	Hudson S-02M	Hudson S-03M	Hudson S-04M	Hudson S-05M
WV NAD 83 N: 40344.78 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01

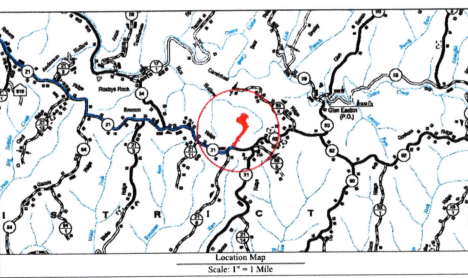
Well Yards (Continued)

Hudson S-06M	Hudson S-07M	Hudson S-08M	Hudson S-09M	Hudson S-10M
WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01	WV NAD 83 N: 40344.17 WV NAD 83 E: 43589.01 WV NAD 27 N: 40340.94 WV NAD 27 E: 43589.01



Site Locations (NAD 27)

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



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
 - *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



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

Project Contacts

Tug Hill Operating
 Jonathan White - Regulatory Analyst
 734-445-2000 (Ext. 304) ext. 7534 Cell
 Geoff Baker - V.P. Production
 817-632-5300 Off.

Survey and Engineer
 Kevan Kelly
 304-736-0955 Cell
 John P. See
 304-442-0220 Off.
 Zackary Summerfield
 304-736-0955 Cell

Geotechnical Consultant
 American Geotech, Inc.
 Kuan Patel
 304-340-4777 Off.

Environmental
 Wetland Delineation as provided by Arthur Folegny
 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
 600 West Virginia State Lane
 Charleston, WV 25304-2424
 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

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.

The WV Mines Division was consulted. Previous mining activities are within the AOI.

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

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 floodplain map?	NO
FIRM Map Number(s) for site?	680103179E
Specialty construction for floodplain?	NO

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

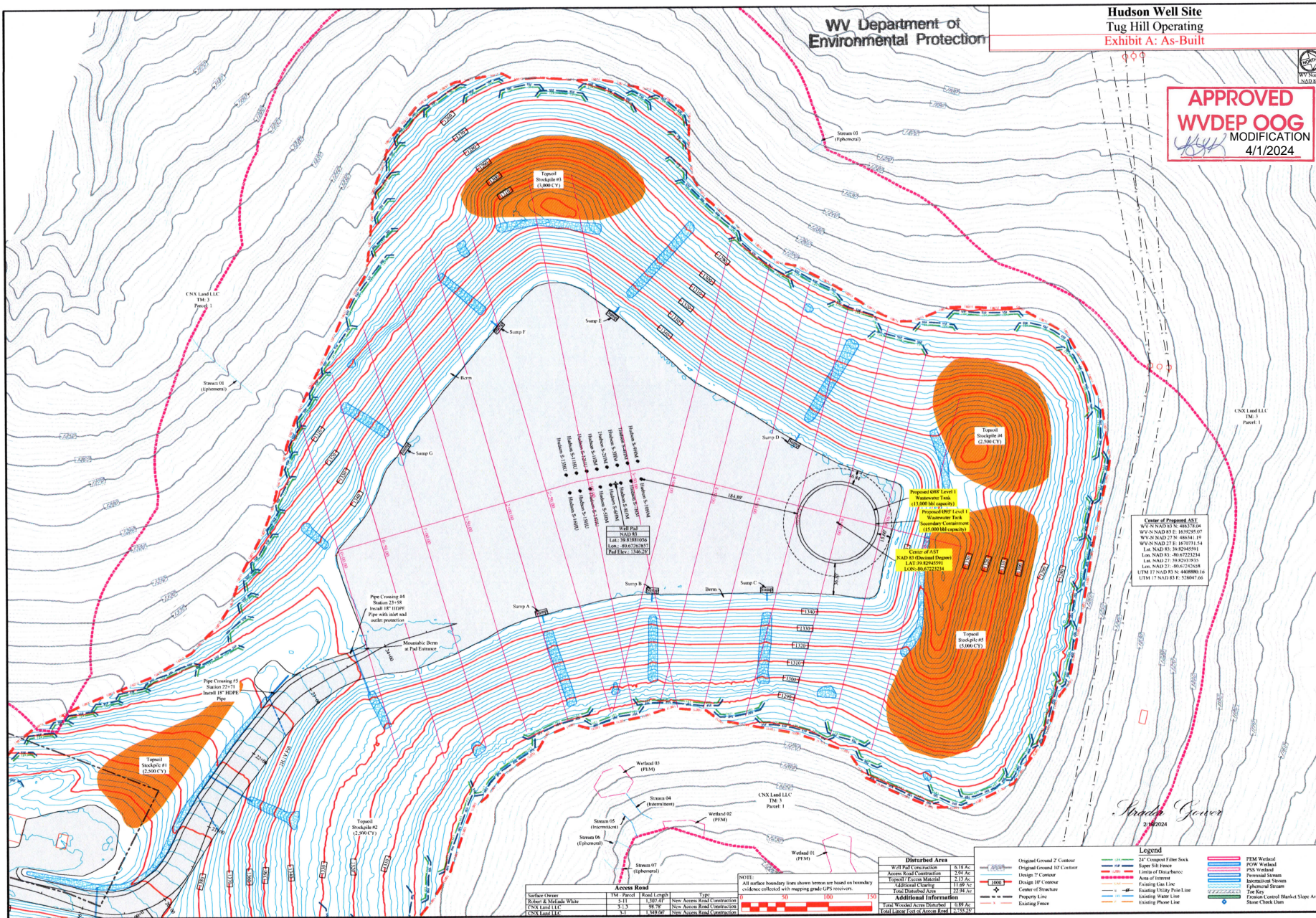
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FEB 27 2024

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&S 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