

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47-051-01960 County Marshall District Meade
Quad Glen Easton 7.5' Pad Name Ten High Field/Pool Name _____
Farm name Lawrence & Shirley Conkle, ests. Well Number Ten High 1N-11HU
Operator (as registered with the OOG) Tug Hill Operating LLC
Address 380 Southpointe Blvd. St. 200 City Canonsburg State PA Zip 15317

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,406,355.94 Easting 527,311.49
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1310' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s) _____

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WV Department of
Environmental Protection

Date permit issued 6/14/2018 Date drilling commenced 7/2/2018 Date drilling ceased 7/2/2018
Date completion activities began _____ Date completion activities ceased _____
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 70' Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

APPROVED

Reviewed by:
[Signature]
10/11/2024
10/14/2024

API 47-051 - 01960 Farm name Lawrence & Shirley Conkle Well number Ten High 1N-11HU

| CASING STRINGS | Hole Size | Casing Size | Depth | New or Used | Grade wt/ft | Basket Depth(s) | Did cement circulate (Y/ N) * Provide details below* |
|---------------------------|-----------|-------------|-------|-------------|-------------|-----------------|---|
| Conductor | 36" | 30" | 120' | NEW | 94.5# | N/A | Y |
| Surface | | | | | | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | | | | | | |
| Tubing | | | | | | | |
| Packer type and depth set | | | | | | | |

Comment Details _____

| CEMENT DATA | Class/Type of Cement | Number of Sacks | Slurry wt (ppg) | Yield (ft ³ /sks) | Volume (ft ³) | Cement Top (MD) | WOC (hrs) |
|----------------|----------------------|------------------|-----------------|------------------------------|---------------------------|-----------------|-----------|
| Conductor | A | 218 (CALCULATED) | 15.6 | 1.19 | 259 | 0 | 8 |
| Surface | | | | | | | |
| Coal | | | | | | | |
| Intermediate 1 | | | | | | | |
| Intermediate 2 | | | | | | | |
| Intermediate 3 | | | | | | | |
| Production | | | | | | | |
| Tubing | | | | | | | |

Drillers TD (ft) 120' Loggers TD (ft) _____
 Deepest formation penetrated SAND/SHALE Plug back to (ft) _____
 Plug back procedure N/A

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Kick off depth (ft) N/A

Check all wireline logs run caliper density deviated/directional induction neutron resistivity gamma ray temperature temperature
 WV Department of Environmental Protection

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____
CONDUCTOR - NONE

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

10/11/2024

| Well # TEN HIGH 1N-11HU (L027321) Final Formations API# 47-051-01960 | | | | |
|--|----------------------|-------------------------|----------------------|-------------------------|
| Formation Name | Drill Top MD (ftGRD) | Drill Top (TVD) (ftGRD) | Drill Btm MD (ftGRD) | Drill Btm (TVD) (ftGRD) |
| Sand/Shale | 1 | 1 | 120 | 120 |

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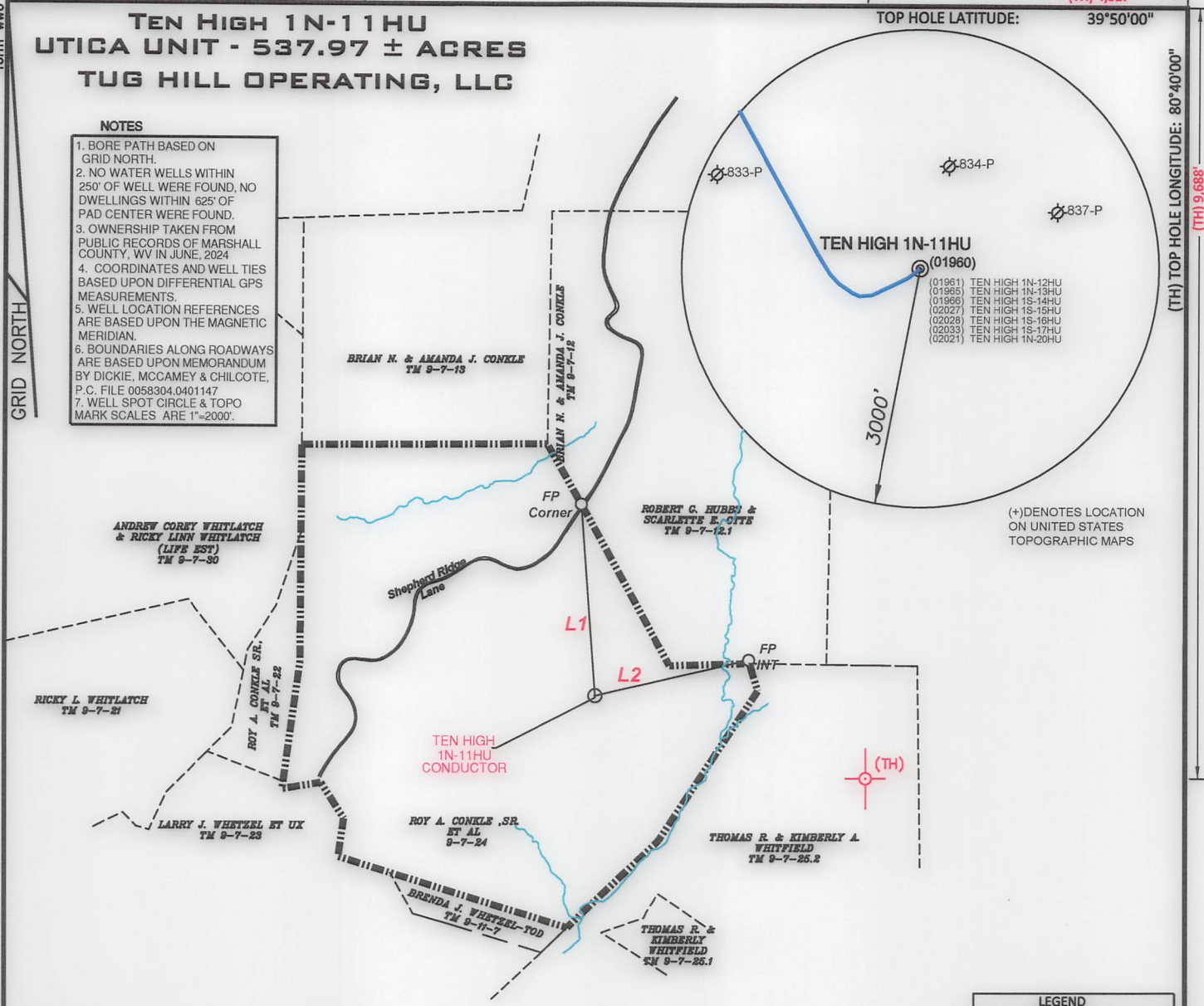
10/11/2024

**TEN HIGH 1N-11HU
UTICA UNIT - 537.97 ± ACRES
TUG HILL OPERATING, LLC**

NOTES

1. BORE PATH BASED ON GRID NORTH.
2. NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
3. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN JUNE, 2024
4. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
5. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
6. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147
7. WELL SPOT CIRCLE & TOPO MARK SCALES ARE 1"=2000'.

GRID NORTH



(TH) 4,017'

TOP HOLE LATITUDE: 39°50'00"

(TH) TOP HOLE LONGITUDE: 80°40'00"

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

REFERENCES N.T.S. 30" ELM

TEN HIGH 1N-11HU 472.9' N 87°06' E

24" POPLAR S 66°26' W 300.7'

| LINE | BEARING | DISTANCE |
|------|------------|-----------|
| L1 | N 04°13' W | 1,201.65' |
| L2 | N 76°45' E | 990.56' |

TEN HIGH 1N-11HU CONDUCTOR
UTM. NAD83, ZONE 17 IN METERS
N) 4,406,355.94 E) 527,311.49

TEN HIGH 1N-11HU SURFACE HOLE
UTM. NAD83, ZONE 17 IN METERS
N) 4,406,355.98 E) 527,311.49

DETAIL SKETCH "A"
N.T.S.

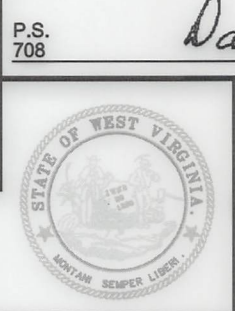
| | | |
|--------------------------|---|--------------------------|
| (01976) Ten High 1S-9HM | o | Ten High 1S-7HM (01974) |
| (02074) Ten High 1S-10HM | o | Ten High 1S-8HM (01964) |
| (01975) Ten High 1S-9HM | o | Ten High 1S-6HM (01963) |
| (01962) Ten High 1N-13HM | o | Ten High 1N-25HM (02021) |
| (02033) Ten High 1S-17HM | o | Ten High 1N-26HM (02021) |
| (02023) Ten High 1S-16HM | o | Ten High 1N-12HM (01961) |
| (02027) Ten High 1S-15HM | o | Ten High 1N-3HM (01960) |
| (01966) Ten High 1S-14HM | o | Ten High 1N-3HM (01960) |
| (01945) Ten High 1N-4HM | o | Ten High 1N-3HM (01960) |
| (02019) Ten High 1N-18HM | o | Ten High 1N-11HM (01943) |
| (02017) Ten High 1N-19HM | o | Ten High 1N-11HM (01943) |

LEGEND

- LEASED TRACTS
- - - SURFACE TRACTS
- ASDRILLED
- PERMITTED

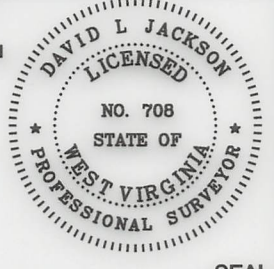
FILE NUMBER _____
DRAWING NUMBER: TEN HIGH_1N-11HU
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING GRADE GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION



David L Jackson

JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851



WVDEP
OFFICE OF OIL & GAS
601 57TH STREET, SE
CHARLESTON, WV 25304

DATE: SEPTEMBER 10, 2024

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
LOCATION ELEVATION 1,310.8' WATERSHED (HUC 10) MIDDLE BOWMAN RUN OF FISH CREEK (HUC-10)
DISTRICT MEADE COUNTY MARSHALL
GLEN EASTON 7.5' LEASE NUMBER SEE WW-6A1 FORM

OPERATORS WELL NO. TEN HIGH 1N-11HU
API WELL NO. 47-051-01960
STATE COUNTY PERMIT

SURFACE OWNER ROY A. CONKLE, SR. ET AL ACRES 10/11/2024
OIL & GAS ROYALTY OWNER LARRY LEE CONKLE ET AL LEASE ACREAGE 139.79

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY) ASDRILLED

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH 120'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN, CT CORP
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107 ADDRESS 5098 WASHINGTON STREET WEST, SUITE 407 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT