

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

API 47 - 051 - 02033 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 1S-17HU
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 4,406,360.52 Easting 527,320.36
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)

Date permit issued 7/13/2018 Date drilling commenced 7/25/2018 Date drilling ceased 7/25/2018

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 _____

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

Reviewed by:

~~10/11/2024~~
[Signature]
10/14/2024

APPROVED

RECEIVED
Office of Oil and Gas
SEP 16 2024

WV Department of
Environmental Protection

API 47-051 - 02033 Farm name Lawrence & Shirley Conkle Well number Ten High 1S-17HU

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 (CALC)	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

Kick off depth (ft) N/A

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

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 _____

RECEIVED
Office of Oil and Gas
SEP 16 2024
WV Department of
Environmental Protection

API 47-051 - 02033 Farm name Lawrence & Shirley Conkle Well number Ten High 1S-17HU

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

RECEIVED
 Office of Oil and Gas
 SEP 16 2024
 WV Department of
 Environmental Protection

Please insert additional pages as applicable.

10/11/2024

API 47- 051 - 02033 Farm name Lawrence & Shirley Conkle, Jr Well number Ten High 1S-17HU

PRODUCING FORMATION(S)	DEPTHS	
	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump
 SHUT-IN PRESSURE Surface _____ psi Bottom Hole _____ psi DURATION OF TEST _____ hrs
 OPEN FLOW Gas _____ mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd GAS MEASURED BY
 Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

Please insert additional pages as applicable.

Drilling Contractor _____
 Address _____ City _____ State _____ Zip _____

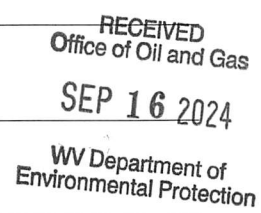
Logging Company _____
 Address _____ City _____ State _____ Zip _____

Cementing Company _____
 Address _____ City _____ State _____ Zip _____

Stimulating Company _____
 Address _____ City _____ State _____ Zip _____

Please insert additional pages as applicable.

Completed by Douglas L. DeMartino Telephone 412-874-7325
 Signature *Douglas L. DeMartino* Title General Counsel Date 5/20/2024



Well # TEN HIGH 1S-17HU (L027328) Final Formations API# 47-051-02033				
Formation Name	Drill Top MD (ftGRD)	Drill Top (TVD) (ftGRD)	Drill Btm MD (ftGRD)	Drill Btm (TVD) (ftGRD)
Sand/Shale	1	1	120	120

RECEIVED
Office of Oil and Gas
SEP 16 2024
WV Department of
Environmental Protection

10/11/2024

form ww6

TEN HIGH 1S-17HU UTICA UNIT - 303.40± ACRES TUG HILL OPERATING, LLC

TOP HOLE LATITUDE: 39°50'00"
(TH) 3,981'

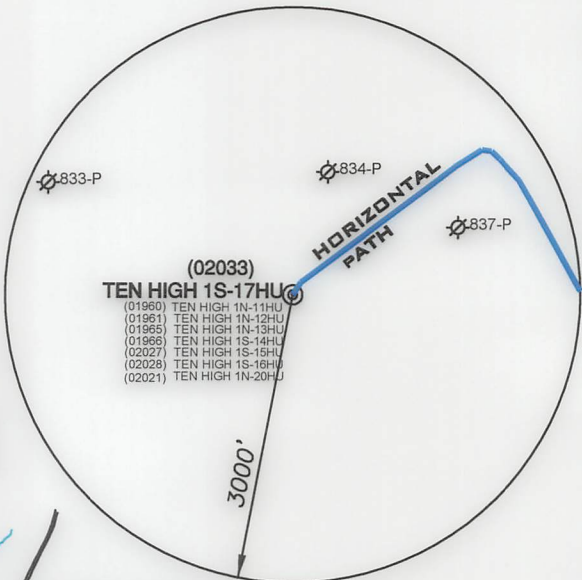
(TH) TOP HOLE LONGITUDE: 80°40'00"
(TH) 9,674'

NOTES

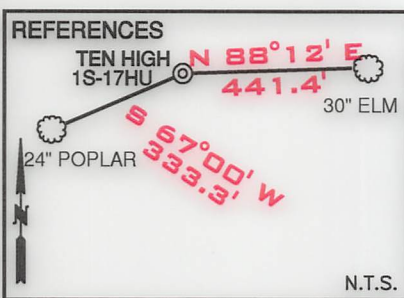
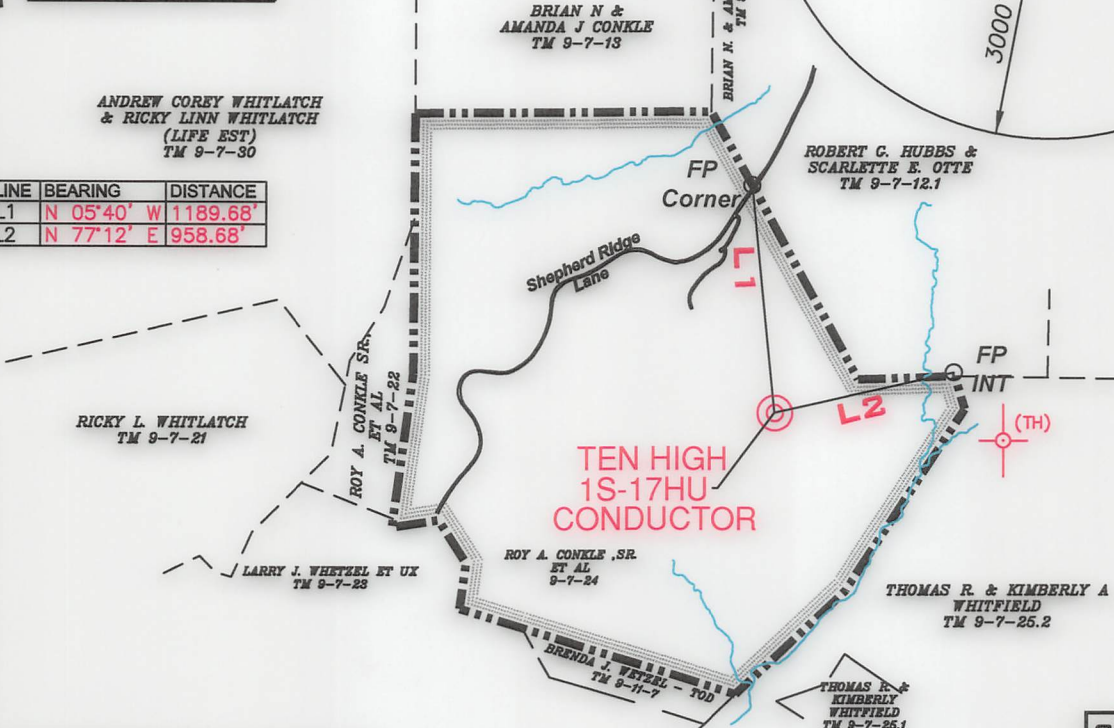
1. BORE PATH BASED ON GRID NORTH.
2. NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
3. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN JUNE, 2024
4. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
5. WELL LOCATION REFERENCES 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 SCALE ARE 1"=2000'

LEGEND

- LEASED TRACTS
- - - SURFACE TRACTS
- ||||| UNIT BOUNDARY
- PERMITTED LEG
- ASDRILLED LEG



LINE	BEARING	DISTANCE
L1	N 05°40' W	1189.68'
L2	N 77°12' E	958.68'



DETAIL SKETCH "A"

N.T.S.

(01976) Ten High 1S-9HM	(01974) Ten High 1S-7HM
(02074) Ten High 1S-10HM	(01964) Ten High 1S-5HM
(01975) Ten High 1S-9HM	(01973) Ten High 1S-6HM
(01965) Ten High 1N-13HU	(02021) Ten High 1N-20HU
(02033) Ten High 1S-17HU	(01961) Ten High 1N-12HU
(02029) Ten High 1S-16HU	(01960) Ten High 1N-11HU
(02027) Ten High 1S-15HU	(01944) Ten High 1N-4HM
(01966) Ten High 1S-14HU	(01934) Ten High 1N-3HM
(01945) Ten High 1N-4HM	(01934) Ten High 1N-3HM
(02019) Ten High 1N-18HM	(01943) Ten High 1N-17HM
(02017) Ten High 1N-19HM	

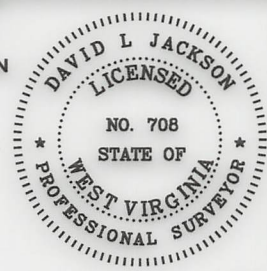
SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,406,360.52
E) 527,320.36

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,406,360.52
E) 527,320.36

FILE NUMBER _____
DRAWING NUMBER: TEN HIGH_1S-17HU
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

P.S. 708
David L Jackson



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-823-5851



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

DATE: SEPTEMBER 10, 2024
OPERATORS WELL NO. TEN HIGH 1S-17HU
API WELL NO. 47-051-02033
STATE COUNTY PERMIT

LOCATION ELEVATION 1,310.8' WATERSHED (HUC 10) MIDDLE BOWMAN RUN OF FISH CREEK (HUC-10)
DISTRICT MEADE COUNTY MARSHALL

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

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