

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

API 47-051-02028 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-16HU
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 4,406,361.40 Easting 527,316.62
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 7/19/2018 Date drilling commenced 7/26/2018 Date drilling ceased 7/26/2018
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

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Environmental Protection

APPROVED

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

API 47-051 - 02028 Farm name Lawrence & Shirley Conkle Well number Ten High 1S-16HU

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) _____

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

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WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

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WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

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

10/11/2024

Well # TEN HIGH 1S-16HU (L027327) Final Formations API# 47-051-02028				
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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TEN HIGH 1S-16HU UTICA UNIT - 623.86± ACRES TUG HILL OPERATING, LLC

TOP HOLE LATITUDE: 39°50'00" (TH) 3,993'

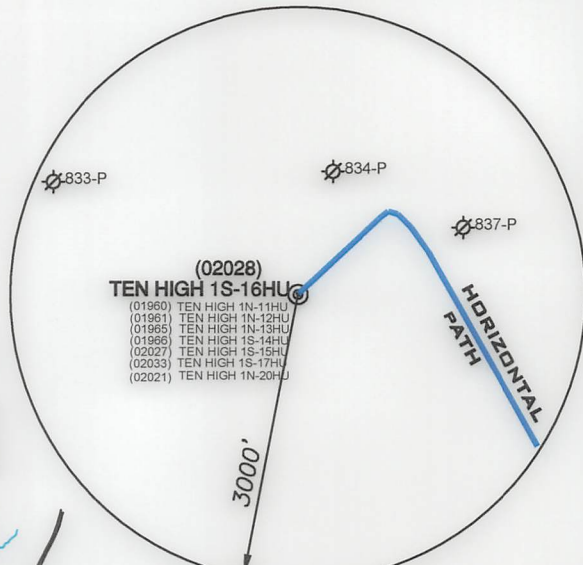
(TH) TOP HOLE LONGITUDE: 80°40'00" (TH) 9,671'

NOTES

- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN JUNE, 2024
- COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147
- 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°06' W	1185.46'
L2	N 77°32' E	969.93'

ANDREW COREY WHITLATCH & RICKY LINN WHITLATCH (LIFE EST) TM 9-7-30

RICKY L. WHITLATCH TM 9-7-21

BRIAN N & AMANDA J CONKLE TM 9-7-13

ROBERT C. HUBBS & SCARLETTE E. OTTE TM 9-7-12.1

ROY A. CONKLE SR. ET AL TM 9-7-22

LARRY J. WETZEL ET UX TM 9-7-23

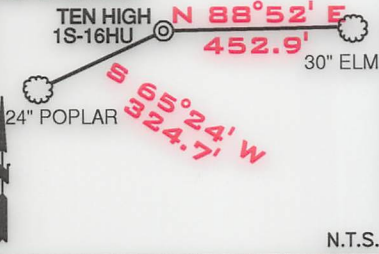
ROY A. CONKLE, SR. ET AL 9-7-24

TEN HIGH 1S-16HU CONDUCTOR

THOMAS R. & KIMBERLY A. WHITFIELD TM 9-7-25.2

THOMAS R. & KIMBERLY WHITFIELD TM 9-7-25.1

REFERENCES



DETAIL SKETCH "A"

- N.T.S.
- (01976) Ten High 1S-9HM
 - (02074) Ten High 1S-10HM
 - (01975) Ten High 1S-9HM
 - (01965) Ten High 1S-9HM
 - (02033) Ten High 1S-17HU
 - (02028) Ten High 1S-16HU
 - (02027) Ten High 1S-14HU
 - (01965) Ten High 1S-14HU
 - (01945) Ten High 1N-4HM
 - (02019) Ten High 1N-18HM
 - (02017) Ten High 1N-19HM
 - Ten High 1S-7HM (01974)
 - Ten High 1S-5HM (01964)
 - Ten High 1S-6HM (01973)
 - Ten High 1N-20HU (02021)
 - Ten High 1N-12HU (01961)
 - Ten High 1N-17HU (01960)
 - Ten High 1N-3HM (01944)
 - Ten High 1N-3HM (01934)
 - Ten High 1N-1HM (01943)

CONDUCTOR
UTM. NAD83, ZONE 17
IN METERS
N) 4,406,361.40
E) 527,316.62

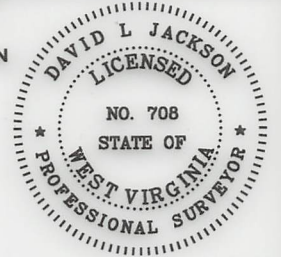
SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,406,361.38
E) 527,316.63

FILE NUMBER _____
DRAWING NUMBER: TEN HIGH_1S-16HU
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
304-623-5851

SEAL

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

DATE: SEPTEMBER 10, 2024
OPERATORS WELL NO. TEN HIGH 1S-16HU
API WELL NO. 47-051-02028
STATE COUNTY PERMIT

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 ACREAGE 139.79
SURFACE OWNER ROY A. CONKLE, SR. ET AL
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
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

10/11/2024