

10,902' B.H.

7,428' T.H.

HEAVEN HILL 3N  
WELL 12HM  
TUG HILL OPERATING

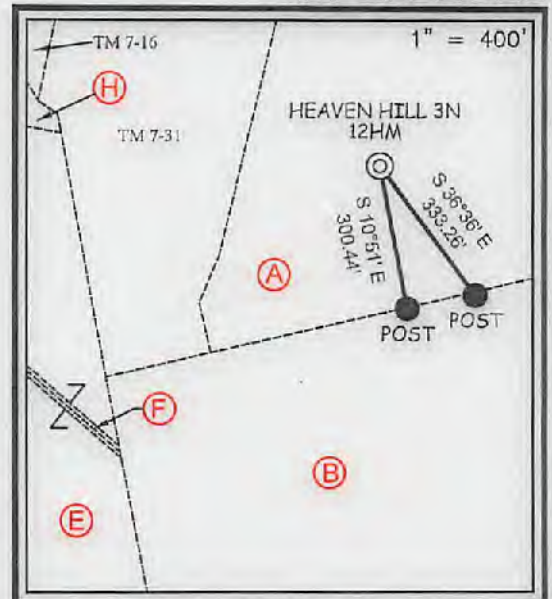
T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)		
NAD'83 S.P.C.(FT)	N. 478,845.07	E. 1,633,331.74
NAD'83 GEO.	LAT-(N) 39.806582	LONG-(W) 80.693108
NAD'83 UTM (M)	N. 4,406,554.83	E. 525,269.25
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 477,158.1	E. 1,633,215.2
NAD'83 GEO.	LAT-(N) 39.803926	LONG-(W) 80.693443
NAD'83 UTM (M)	N. 4,406,040.3	E. 525,242.3
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 483,307.8	E. 1,629,915.3
NAD'83 GEO.	LAT-(N) 39.820687	LONG-(W) 80.705481
NAD'83 UTM (M)	N. 4,407,897.0	E. 525,205.7

T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°40'00"  
4,607' B.H.  
9,024' T.H.



REFERENCES



12 Vachern Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5534  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.246.2552  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
slsw.com

NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK IS 1"=2000'

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 REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



P.S. 849 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE AUGUST 30, 2019  
REVISED NOVEMBER 5, 2019 & MAY 13, 2022  
OPERATORS WELL NO. HEAVEN HILL 3N-12HM  
API WELL NO. 47 - 051 - 02449  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500  
FILE NO. 8654P12HMR2.dwg  
HEAVEN HILL 3-12HM REV3  
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK)  
SCALE 1" = 2000'

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS



WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ IF "GAS" PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION:  
ELEVATION 1,328.00' WATERSHED LOWER BOWMAN RUN OF FISH CREEK (HUC 10)  
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'  
SURFACE OWNER ANDREW C. WHITLATCH ET UX ACREAGE 72.82±  
ROYALTY OWNER RICKY L. WHITLATCH, ET AL ACREAGE 72.82±  
PROPOSED WORK:  
DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_ OTHER \_\_\_  
PHYSICAL CHANGE IN WELL (SPECIFY) TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH: TVD: 6,969' / TMD: 14,732'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5098 WASHINGTON ST. W, STE 407  
FORT WORTH, TX 76107 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

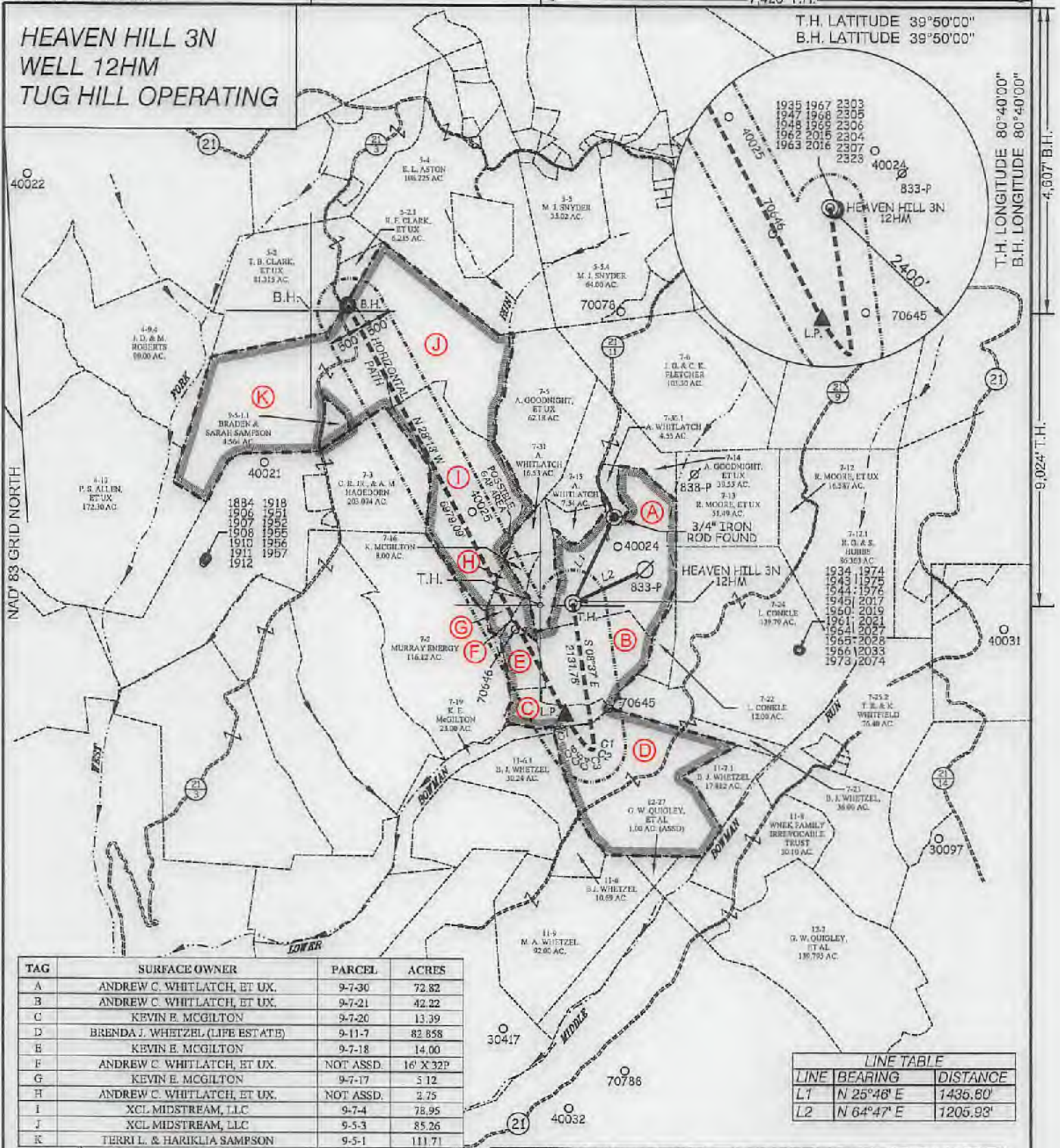
07/01/2022



**HEAVEN HILL 3N  
WELL 12HM  
TUG HILL OPERATING**

T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°40'00"



TAG	SURFACE OWNER	PARCEL	ACRES
A	ANDREW C. WHITLATCH, ET UX.	9-7-30	72.82
B	ANDREW C. WHITLATCH, ET UX.	9-7-21	42.22
C	KEVIN E. MCGILTON	9-7-20	13.39
D	BRENDA J. WHITZEL (LIFE ESTATE)	9-11-7	82.858
E	KEVIN E. MCGILTON	9-7-18	14.00
F	ANDREW C. WHITLATCH, ET UX.	NOT ASSD.	16' X 32P
G	KEVIN E. MCGILTON	9-7-17	5.12
H	ANDREW C. WHITLATCH, ET UX.	NOT ASSD.	2.75
I	XCL MIDSTREAM, LLC	9-7-4	78.95
J	XCL MIDSTREAM, LLC	9-5-3	85.26
K	TERRI L. & HARIKLIA SAMPSON	9-5-1	111.71

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 25°46' E	1436.80'
L2	N 64°47' E	1205.93'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	69.76'	198.46'	S 00°56' E	69.40'
C2	41.14'	30.57'	S 42°07' W	38.11'
C3	28.01'	52.87'	N 78°13' W	27.68'
C4	25.21'	366.71'	N 57°56' W	25.21'
C5	57.13'	255.54'	N 49°44' W	57.01'
C6	150.58'	638.92'	N 40°55' W	150.23'
C7	413.69'	2426.81'	N 32°23' W	413.19'



12 Vannom Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.8634  
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3962  
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
 slswv.com



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

P.S. 849 *Gregory A. Smith*

LEGEND	
LEASE LINE	
SURFACE LINE	
WELL LATERAL	
OFFSET LINE	
TIE LINE	
CREEK	
ROAD	
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE WW-6A1)	

SCALE 1" = 2000' FILE NO. 8654P12HMR2.dwg  
 HEAVEN HILL 3-12HM REV3  
 DATE AUGUST 30, 2019  
 REVISED NOVEMBER 5, 2019 & MAY 13, 2022  
 OPERATORS WELL NO. HEAVEN HILL 3N-12HM  
 API WELL NO. 47  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

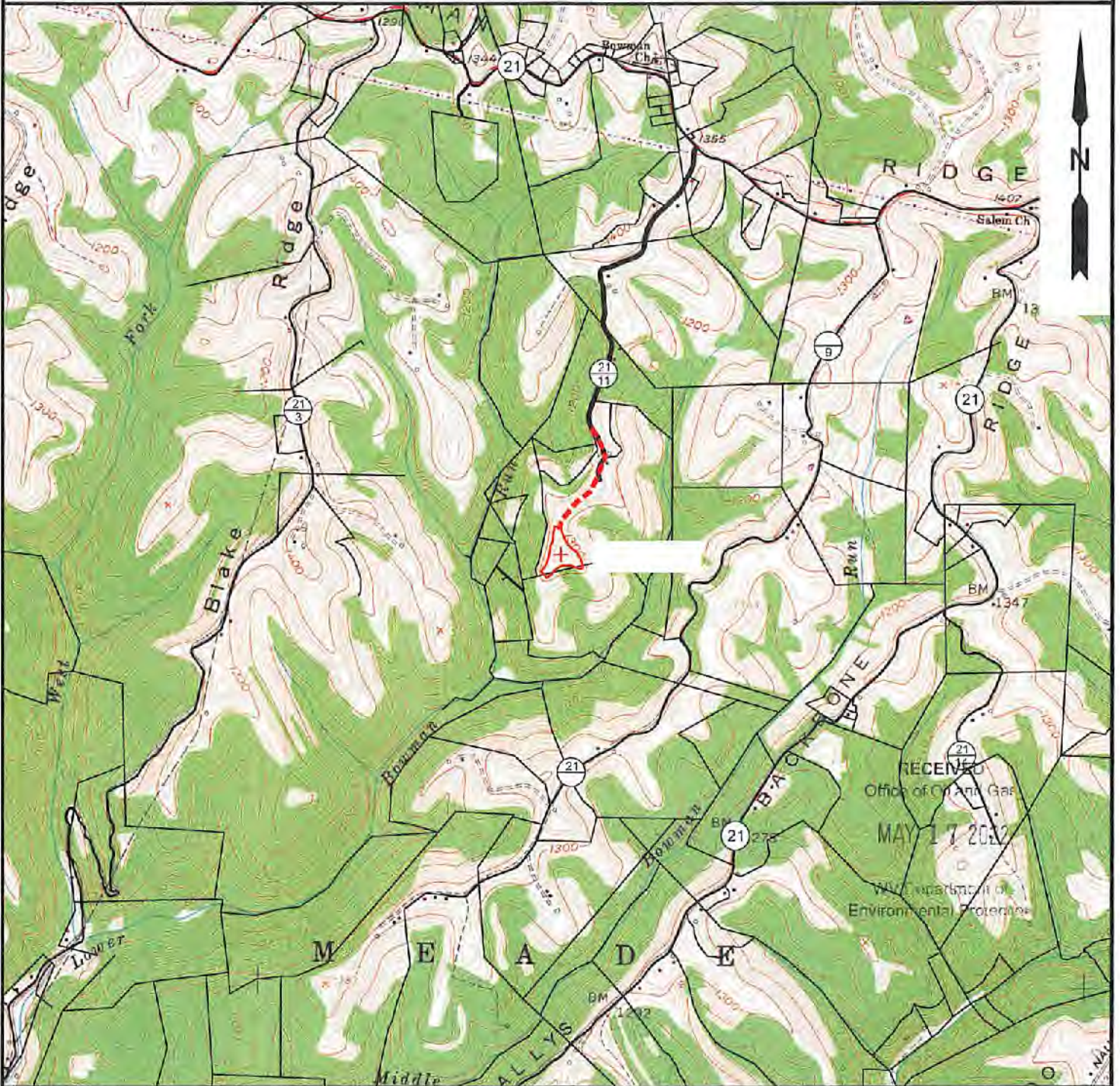
WELL OPERATOR TUG HILL OPERATING, LLC  
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107  
 DESIGNATED AGENT DARREN BROWN  
 ADDRESS 5098 WASHINGTON ST. W, STE 407 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

07/01/2022



# PROPOSED HEAVEN HILL 3N - 12HM4705102449



NOTE: CLOSEST WATER PURVEYOR  
CITY OF CAMERON - FRANK WALKER RESERVOIR  
CAMDEN, WV

LAT: 39.829885  
LON: -80.573724  
LOCATED: N 77°44'18" E AT 34,474.56' FROM THE CENTER OF HEAVEN HILL 3N WELL PAD LOCATION.

RECEIVED  
Office of Oil and Gas  
MAY 17 2022  
WV Department of  
Environmental Protection

**SLS**  
Land & Energy Development  
Solutions from the ground up.  
P.O. Box 150 • 112 Vanholst Drive • Glenville, WV 25351 • (304) 462-5534  
www.slsurveys.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	TUG HILL OPERATING, LLC	
MARSHALL	MEADE	380 SOUTHPPOINT BLVD	
		SUITE 200	
		CANONSBURG, PA 15317	
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	8654	06/21/2019	1" = 2000'

**TUG HILL  
OPERATING**

07/01/2022