

11,444' B.H.

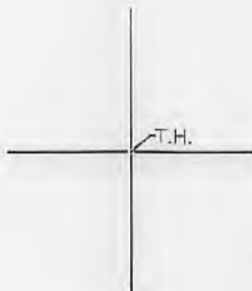
7,440' T.H.

HEAVEN HILL 3N  
WELL 11HM  
TUG HILL OPERATING

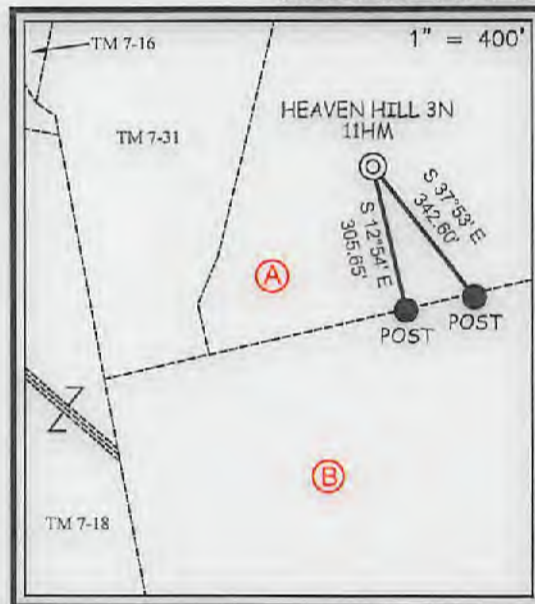
T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)		
NAD'83 S.P.C.(FT)	N. 476,847.93	E. 1,633,320.09
NAD'83 GEO.	LAT-(N) 39.808569	LONG-(W) 80.698149
NAD'83 UTM (M)	N. 4,406,555.65	E. 526,265.69
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 476,793.4	E. 1,632,559.6
NAD'83 GEO.	LAT-(N) 39.802901	LONG-(W) 80.695759
NAD'83 UTM (M)	N. 4,405,925.8	E. 526,044.4
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 482,745.0	E. 1,629,365.2
NAD'83 GEO.	LAT-(N) 39.819122	LONG-(W) 80.707409
NAD'83 UTM (M)	N. 4,407,722.8	E. 525,041.3

T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°40'00"  
5,177' B.H.  
9,021' T.H.



REFERENCES



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 & TOPD MARK SCALE IS 1"=2000'

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
slsvv.com

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. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE AUGUST 30, 20 19  
REVISED 11-05-2019, 05-13-2022  
OPERATORS WELL NO. HEAVEN HILL 3N-11HM  
API WELL NO. 47 — 051 — 02448  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 8654P11HMR2.dwg  
HEAVEN HILL 3-11HM REV4  
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±

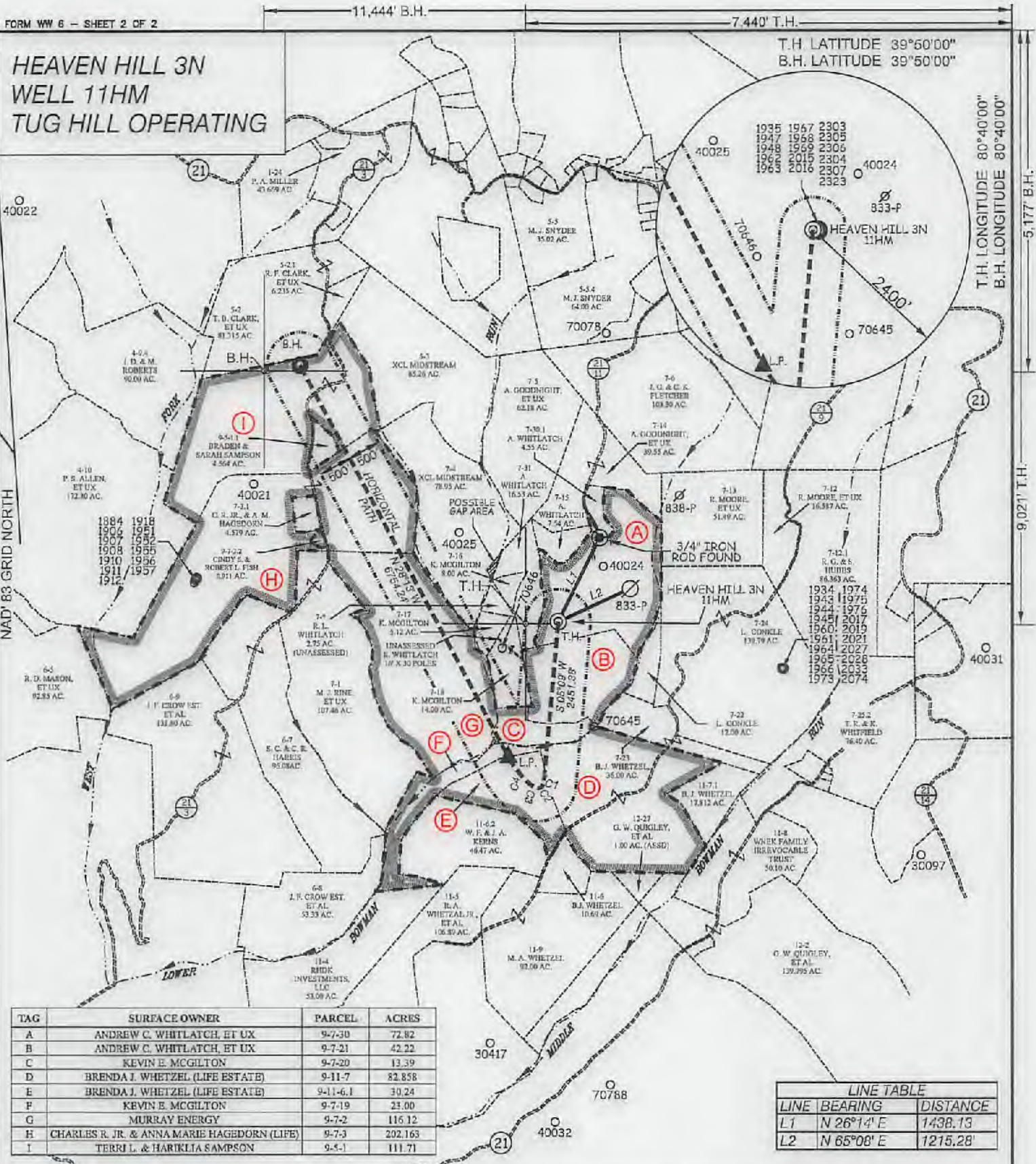
PROPOSED WORK:  
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER   
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
ESTIMATED DEPTH TVD: 6,966' / TMD: 14,639'

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 11HM  
TUG HILL OPERATING



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. WHETZEL (LIFE ESTATE)	9-11-7	82.858
E	BRENDA J. WHETZEL (LIFE ESTATE)	9-11-6.1	30.24
F	KEVIN E. MCGILTON	9-7-19	23.00
G	MURRAY ENERGY	9-7-2	116.12
H	CHARLES R. JR. & ANNA MARIE HAGEDORN (LIFE)	9-7-3	202.163
I	TERRI L. & HARILIA SAMPSON	9-5-1	111.71

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 26°14' E	1438.13
L2	N 65°08' E	1215.28'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	92.45'	122.31'	S 25°19' W	90.27'
C2	83.99'	90.00'	S 85°35' W	80.97'
C3	148.10'	388.77'	N 57°20' W	147.21'
C4	496.80'	1481.30'	N 36°55' W	494.47'



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slsw.com

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)  
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(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
P.S. 849 *Gregory A. Smith*

SCALE 1" = 2000' FILE NO. 8854P11HMR2.dwg  
HEAVEN HILL 3-11HM REV4  
DATE AUGUST 30, 2019  
REVISED 11-05-2019, 05-13-2022  
OPERATORS WELL NO. HEAVEN HILL 3N-11HM  
API WELL NO. 47  
STATE COUNTY PERMIT

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

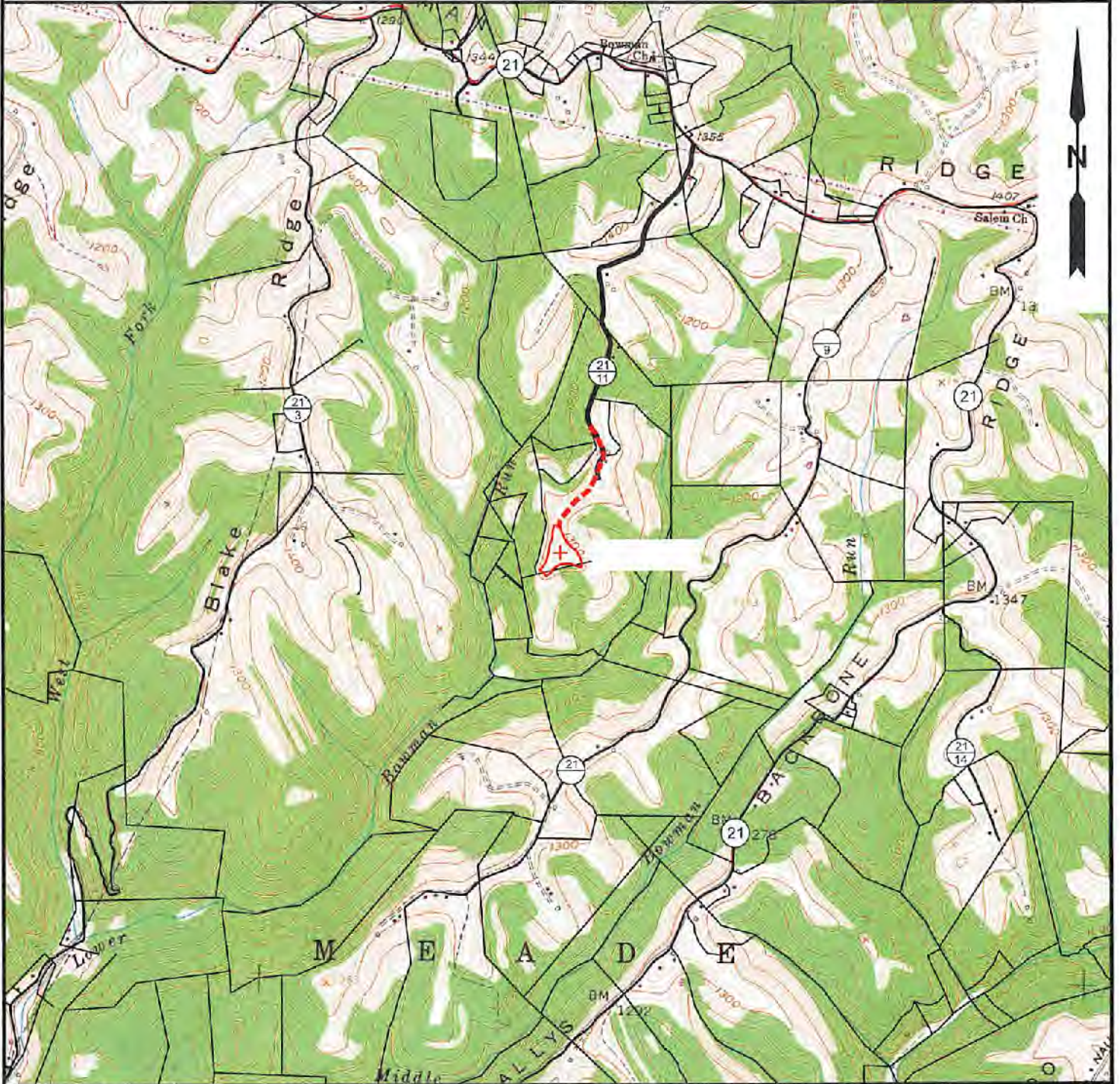
LEGEND	
LEASE LINE	
SURFACE LINE	
WELL LATERAL	
OFFSET LINE	
TIE LINE	
CREEK	
ROAD	
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
TAX MAP-PARCEL	00-00
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE WW-6A1)	

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

# PROPOSED HEAVEN HILL 3N - 11HM



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

LAT: 39.829865  
LON: -80.573724  
LOCATED: N 77°33'23" E AT 34,451.51' FROM THE CENTER OF HEAVEN HILL 3N WELL PAD LOCATION.

**SLS**  
Land & Energy Development  
Solutions from the ground up.  
P.O. Box 150 • 17 Vanhook Drive • Craville, 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 SOUTHPOINT BLVD	
		SUITE 200	
		CANONSBURG, PA 15317	
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	B654	06/21/2019	1" = 2000'

**TUG HILL**  
OPERATING

07/01/2022