

10,288' B.H.

8,762' T.H.

**WILLETT S LEASE  
8HM  
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. 484,005.70	E. 1,643,768.25
NAD'83 GEO.	LAT-(N) 39.829103	LONG-(W) 80.656197
NAD'83 UTM (M)	N. 4,408,130.19	E. 529,422.51
<b>LANDING POINT</b>		
NAD'83 S.P.C.(FT)	N. 484,416.6	E. 1,648,146.9
NAD'83 GEO.	LAT-(N) 39.824384	LONG-(W) 80.640627
NAD'83 UTM (M)	N. 4,408,327.7	E. 530,754.4
<b>BOTTOM HOLE</b>		
NAD'83 S.P.C.(FT)	N. 474,185.9	E. 1,653,827.7
NAD'83 GEO.	LAT-(N) 39.796498	LONG-(W) 80.619949
NAD'83 UTM (M)	N. 4,405,289.7	E. 532,537.2

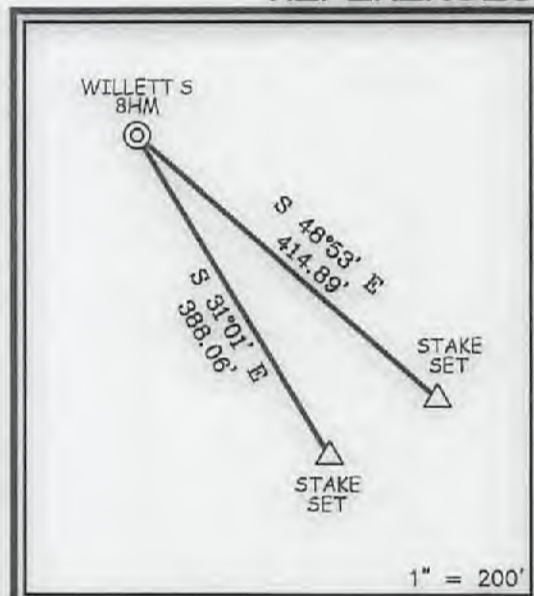
T.H. LONGITUDE 80°37'30"  
B.H. LONGITUDE 80°35'00"  
3,727' T.H.

T.H.

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
3-19-77	SONIA J. STROPE	46.783
3-18-78	CNX LAND, LLC	30.927
3-19-80	RAYMOND DEWAINE DOBBS, ET AL	30.54
3-19-81	XCL PROCESSING OPERATING LLC	26.52
3-19-82	XCL PROCESSING OPERATING LLC	14.89
7-1-7.1	NANCY L. PARSONS	0.5
7-1-19	JEAN JAMISON	51.89
7-7-2	KAREN S. EVANS & JUDY KAY MATTHEWS	24.50
7-7-8.1	KENNETH WAYNE STEELE TRUST	79.03
9-3-13.1	XCL PROCESSING OPERATING LLC	10.00
9-3-15.1	MARSHALL COUNTY PUBLIC SERVICE DISTRICT	0.2296
9-3-17.1	BRIAN & LEAH KESTNER	11.8
9-8-5.2	AMY EVANS & KAREN WHETZAL	4.586
9-8-6.1	KAYLA E. BRATTON	1.423
9-9-7.3	JEFFREY B. THOMAS	1.297
9-9-8.1	DIANA MAE PIATT	2.253
9-9-8.2	VINCENT PATRELLO	0.723
9-9-9	VINCENT P. PATRELLO	1.076

TAG	SURFACE OWNER	PARCEL	ACRES
A	CNX LAND, LLC	9-8-6	27.596
B	CNX LAND, LLC	9-3-17	65.86
C	LARRY S. NEELY - LIFE	9-8-7.1	76.005
D	RAYMOND DEWAINE DOBBS, ET AL	9-3-15	70.7424
E	XCL PROCESSING OPERATING LLC	9-3-13	28.00
F	RAYMOND DEWAINE DOBBS, ET AL	9-3-14	81.331
G	JAMES R. THOMAS, ET UX	9-9-7	60.796
H	XCL PROCESSING OPERATING LLC	9-9-7.2	3.907
I	JAMES D. BLAKE, ET AL	9-9-8	52.144
J	ANNA D. MORRIS - TOD	7-1-1	179.00
K	KAREN S. EVANS & JUDY KAY MATTHEWS	7-1-5	116.915
L	NICHOLAS J. EVANS	7-1-5.2	22.42
M	LARRY A. PAYNTER, ET UX	7-1-5.1	1.165
N	KAREN S. EVANS & JUDY KAY MATTHEWS	7-7-1	124.12
O	GEO A. BURRIS	7-8-14	95.44

**REFERENCES**



B.H.

**NOTES ON SURVEY**

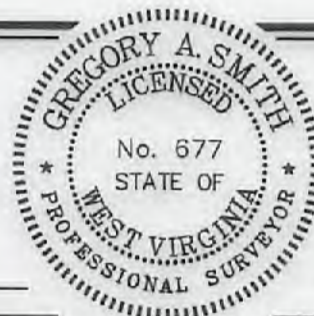
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 825' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'



12 Vanham Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634  
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
284 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296  
sls.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 SEPTEMBER 8, 20 21  
REVISED \_\_\_\_\_, 20 \_\_\_\_\_  
OPERATORS WELL NO. WILLETT S 8HM  
API WELL NO. 47 - 051 - 02422  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8939P8HM.dwg  
WILLETT S 8HM-REV2  
HORIZONTAL & VERTICAL SCALE 1" = 2000'  
CONTROL DETERMINED BY: DGPS (SURVEY GRADE TIE TO CORS NETWORK)

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 1,310.03' WATERSHED TRIBUTARY OF UPPER BOWMAN RUN  
DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER CNX LAND LLC ACREAGE 27.596±  
ROYALTY OWNER APPALACHIAN BASIN MINERALS, LP, ET AL ACREAGE 0.114/2022

PROPOSED WORK :  
LEASE NO. SEE WV-6A1  
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: 7,003' / TMD: 20,460'

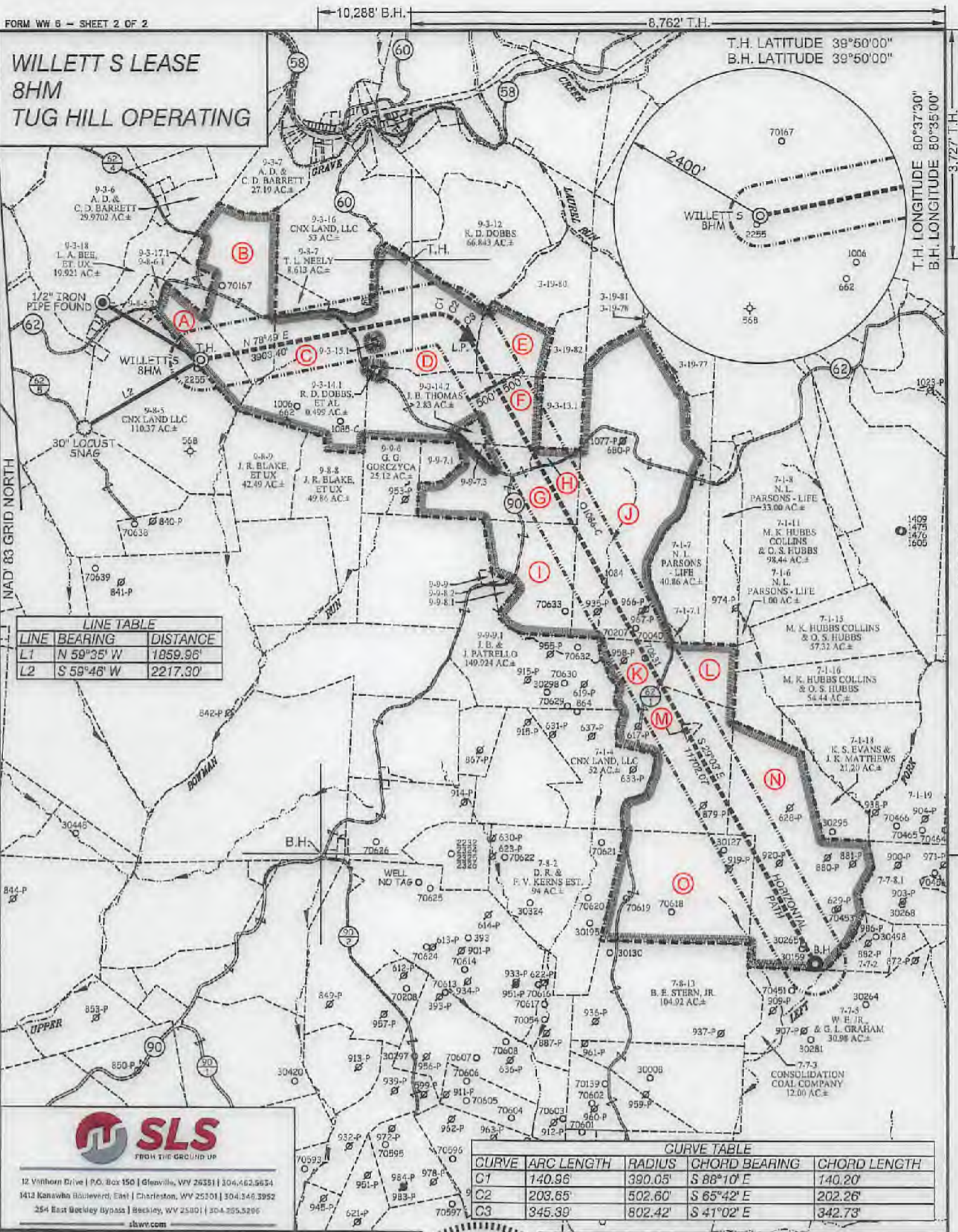
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN - CT CORPORATION  
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5098 WASHINGTON ST. W, STE 407  
FORT WORTH, TX 76107 CHARLESTON, WV 25313-1561

COUNTY NAME  
PERMIT

**WILLETT S LEASE  
8HM  
TUG HILL OPERATING**

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

T.H. LONGITUDE 80°37'30"  
B.H. LONGITUDE 80°35'00"



**LINE TABLE**

LINE	BEARING	DISTANCE
L1	N 59°35' W	1859.96'
L2	S 59°46' W	2217.30'

**CURVE TABLE**

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	140.96'	390.05'	S 88°10' E	140.20'
C2	203.65'	502.60'	S 65°42' E	202.26'
C3	345.39'	802.42'	S 41°02' E	342.73'



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254 East Besley Bypass | Besley, WV 25801 | 304.305.5296  
slsv.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. 677 *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
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-6A1)

SCALE 1" = 2000' FILE NO. 8939P8HM.dwg  
 WILLETT S 8HM-REV2  
 DATE SEPTEMBER 8, 20 21  
 REVISED \_\_\_\_\_, 20 \_\_\_\_\_  
 OPERATORS WELL NO. WILLETT S 8HM  
 API WELL NO. 47 051 02422  
 STATE COUNTY PERMIT

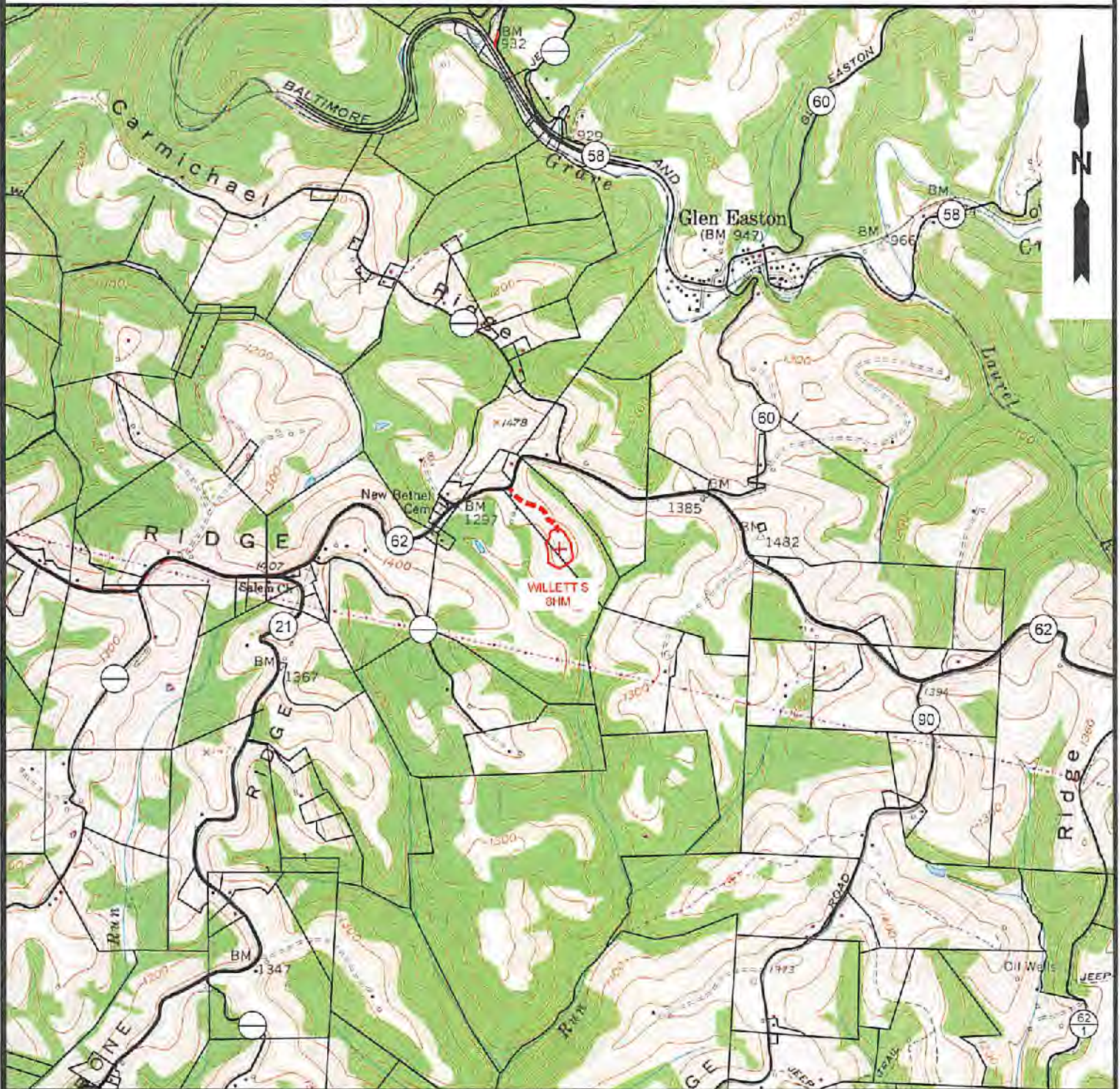
STATE OF WEST VIRGINIA  
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 FORT WORTH, TX 76107 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

04/14/2022

# PROPOSED WILLETT S - 8HM




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

LAT: 39.829865  
LON: -80.573724  
LOCATED: N 84°36'39" E AT 23,313.72' FROM THE CENTER OF WILLETT S WELL PAD LOCATION.



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slswv.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	TUG HILL OPERATING, LLC	
MARSHALL	MEADE	380 SOUTHPOINTE BLVD	
		SUITE 200	
		CANONSBURG, PA 15317	
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	8939	09/14/2021	1" = 2000'



**TUG HILL  
OPERATING**

01/14/2022