

**BRECKENRIDGE S LEASE  
WELL 10HM  
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. 486,516.05	E. 1,652,075.57
NAD'83 GEO.	LAT-(N) 39.830284	LONG-(W) 80.826735
NAD'83 UTM (M)	N. 4,408,987.29	E. 531,940.61

**LANDING POINT**

NAD'83 S.P.C.(FT)	N. 486,047.0	E. 1,650,698.8
NAD'83 GEO.	LAT-(N) 39.828949	LONG-(W) 80.831616
NAD'83 UTM (M)	N. 4,408,837.4	E. 531,523.5

**BOTTOM HOLE**

NAD'83 S.P.C.(FT)	N. 479,645.3	E. 1,654,209.8
NAD'83 GEO.	LAT-(N) 39.811496	LONG-(W) 80.818831
NAD'83 UTM (M)	N. 4,406,904.9	E. 532,625.8

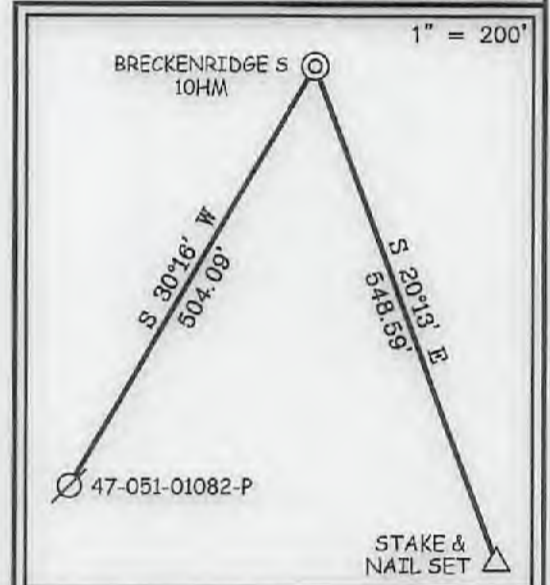
T.H. LONGITUDE 80°37'30"  
B.H. LONGITUDE 80°35'00"  
T.H. 1,111'  
B.H. 7,955'

TAG	SURFACE OWNER	PARCEL	ACRES
A	CNX LAND, LLC	3-19-76	53.25
B	CNX LAND, LLC	3-19-74	44.59
C	CNX LAND, LLC	3-19-78	30.927
D	SONJA J. STROPE	3-19-77	46.783
E	NANCY L. PARSONS - LIFE	7-1-7	40.86
F	SONJA J. STROPE	3-18-3	74.757
G	CAROL J. EVANS - LIFE	3-18-3.1	1.173
H	MOLLY KAY HUBBS COLLINS, ET AL	7-1-11	98.44
I	MOLLY KAY HUBBS COLLINS, ET AL	7-1-15	57.32

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
7-1-6	NANCY L. PARSONS - LIFE	1.00
7-1-7.1	NANCY L. PARSONS	0.50
7-1-8	NANCY L. PARSONS - LIFE	33.00
7-1-10	NANCY L. PARSONS - LIFE	1.00



**REFERENCES**



**NOTES ON SURVEY**

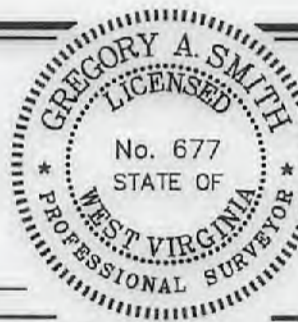
- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1" = 2000'



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 26801 | 304.255.5296  
slsw.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. *Gregory A. Smith*  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
DATE NOVEMBER 10, 20 20  
REVISED OCTOBER 13, 20 21  
OPERATORS WELL NO. BRECKENRIDGE S-10HM  
API WELL NO. 47 - 051 - 02346  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P10HMR.dwg  
BRECKENRIDGE S-10HM REV4  
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 GROUND = 1,385.80' PROPOSED = 1,370.10' WATERSHED GRAVE CREEK (HUC 10) & LAUREL RUN  
DISTRICT CAMERON COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5'

SURFACE OWNER CNX LAND LLC ACREAGE 53.25±  
ROYALTY OWNER HASAN'S VENTURES, ET AL ACREAGE 53.25±  
PROPOSED WORK: LEASE NO. SEE WW-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: 7,126' / TMD: 15,013'

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

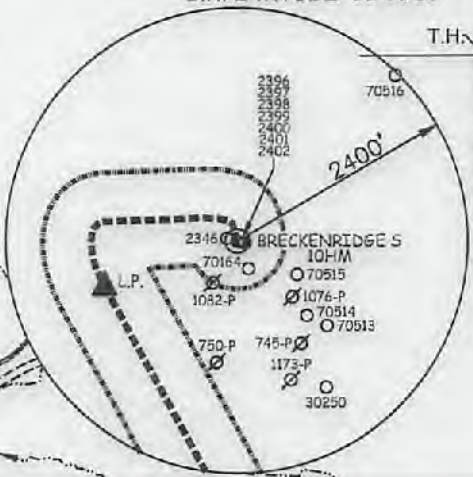
**BRECKENRIDGE S LEASE  
WELL 10HM  
TUG HILL OPERATING**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 14°03' W	168.66'
L2	N 49°23' E	2670.98'
L3	S 21°14' E	1542.74'

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

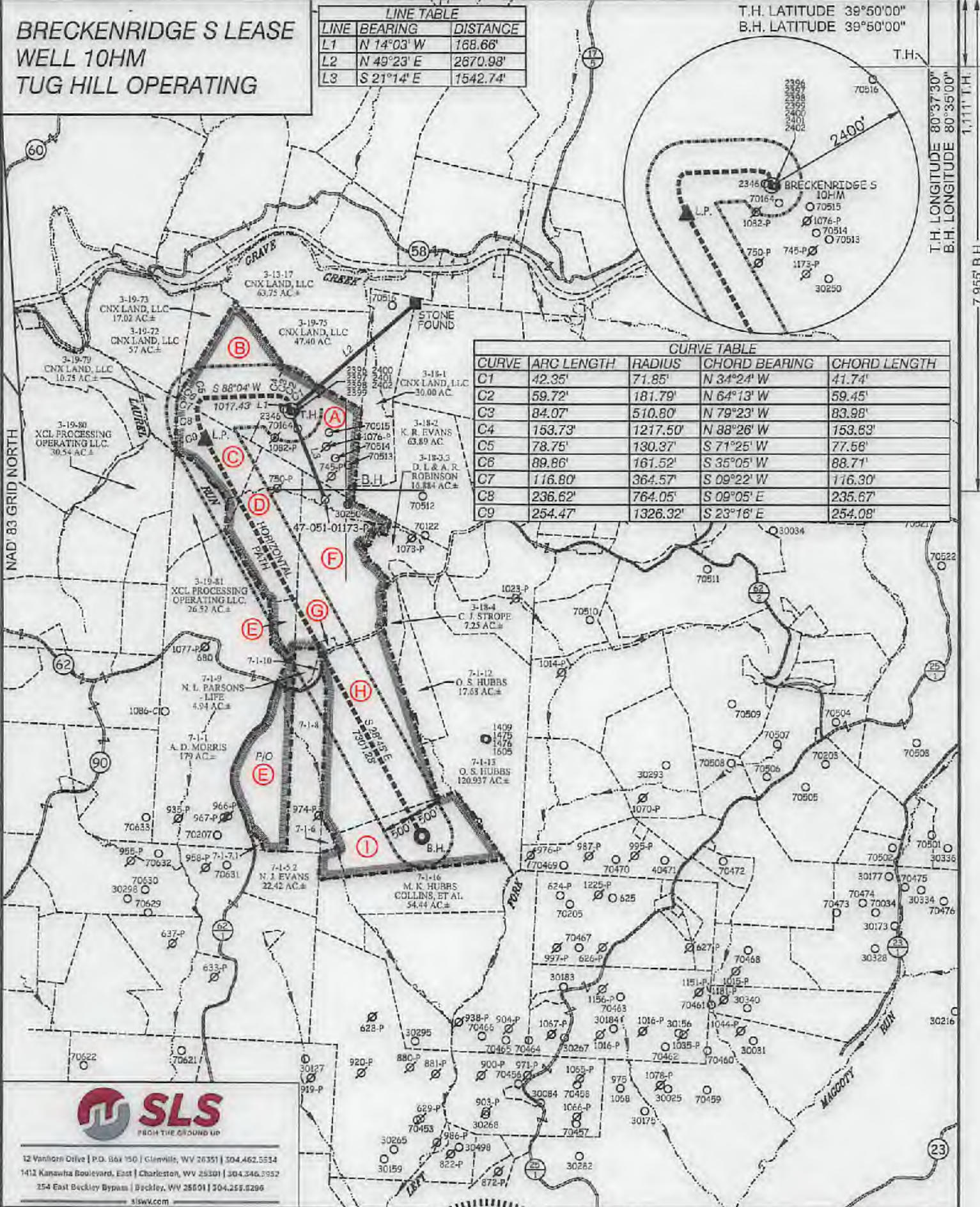
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B.H. LONGITUDE 80°35'00"

7,955' B.H.



CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	42.35'	71.85'	N 34°24' W	41.74'
C2	59.72'	181.79'	N 64°13' W	59.45'
C3	84.07'	510.80'	N 79°23' W	83.98'
C4	153.73'	1217.50'	N 88°26' W	153.63'
C5	78.75'	130.37'	S 71°25' W	77.58'
C6	89.86'	161.52'	S 35°05' W	88.71'
C7	116.80'	364.57'	S 09°22' W	116.30'
C8	236.62'	764.05'	S 09°05' E	235.67'
C9	254.47'	1326.32'	S 23°18' E	254.08'

NAD'83 GRID 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	00-00
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE WW-6A1)	

SCALE 1" = 2000' FILE NO. 9026P10HMR.dwg  
BRECKENRIDGE S-10HM REV4  
DATE NOVEMBER 10, 20 20  
REVISED OCTOBER 13, 20 21  
OPERATORS WELL NO. BRECKENRIDGE S-10HM  
API WELL NO. 47-051-02346  
STATE COUNTY PERMIT

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DIVISION OF ENVIRONMENTAL PROTECTION  
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