

**BRECKENRIDGE S LEASE
WELL 7HM
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. 486,533.44	E. 1,652,005.74
NAD'83 GEO.	LAT-(N) 39.830329	LONG-(W) 80.626984
NAD'83 UTM (M)	N. 4,408,992.23	E. 531,919.24

LANDING POINT

NAD'83 S.P.C.(FT)	N. 484,730.5	E. 1,648,771.2
NAD'83 GEO.	LAT-(N) 39.825263	LONG-(W) 80.638419
NAD'83 UTM (M)	N. 4,408,426.5	E. 530,943.0

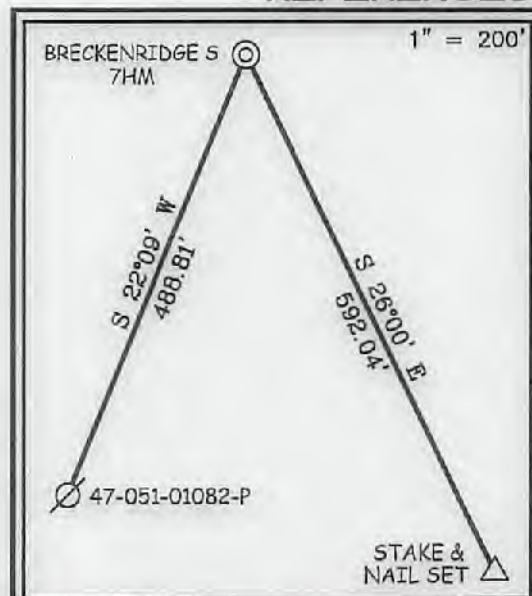
BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 474,730.8	E. 1,654,392.7
NAD'83 GEO.	LAT-(N) 39.798011	LONG-(W) 80.617998
NAD'83 UTM (M)	N. 4,405,408.6	E. 532,703.5

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	CNX LAND, LLC	3-19-79	10.75
E	XCL PROCESSING OPERATING LLC	3-19-80	30.54
F	CNX LAND, LLC	9-3-11	1.00
G	RAYMOND DEWAIN DOBBS	9-3-12	66.843
H	XCL PROCESSING OPERATING LLC	9-3-13	28.00
I	RAYMOND DEWAIN DOBBS, ET AL	9-3-14	81.331
J	XCL PROCESSING OPERATING LLC	9-3-13.1	10.00
K	ANNA D. MORRIS	7-1-1	179.00
L	NANCY L. PARSONS - LIFE	7-1-7	40.86
M	NICHOLAS J. EVANS	7-1-5.2	22.42
N	JAMES TIMOTHY HUGGS, ET AL	7-1-5	116.915
O	KAREN S. EVANS & JUDY K. MATTHEWS	7-7-1	124.12

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
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	0.50
7-7-2	KAREN S. EVANS & JUDY KAY MATTHEWS	24.50
7-7-3	CNX LAND, LLC	12.00
7-7-8.1	KENNETH WAYNE STEELE TRUST	79.03
7-8-13	BLAINE E. STERN, JR.	104.92
9-3-12.4	CNX LAND, LLC	0.149
9-3-15	RAYMOND DEWAIN DOBBS, ET AL	70.7424
9-9-7.2	XCL MIDSTREAM OPERATING LLC	3.907

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 625' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOPO MARK SCALE IS 1"=2000'



12 Vanban Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5034
1413 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.5952
254 East Beckley Bypass | Beckley, WV 26001 | 304.258.5296
slswv.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 OCTOBER 13, 20 21
REVISED _____, 20 ____
OPERATORS WELL NO. BRECKENRIDGE S-7HM
API WELL NO. 47 - 051 - 02428
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P7HM.dwg
BRECKENRIDGE S-7HM REV5
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 X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: GROUND = 1,382.00' ELEVATION 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 01/21/2022

PROPOSED WORK: LEASE NO. SEE WW-6A1
DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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: 7,095' / TMD: 20,088'

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

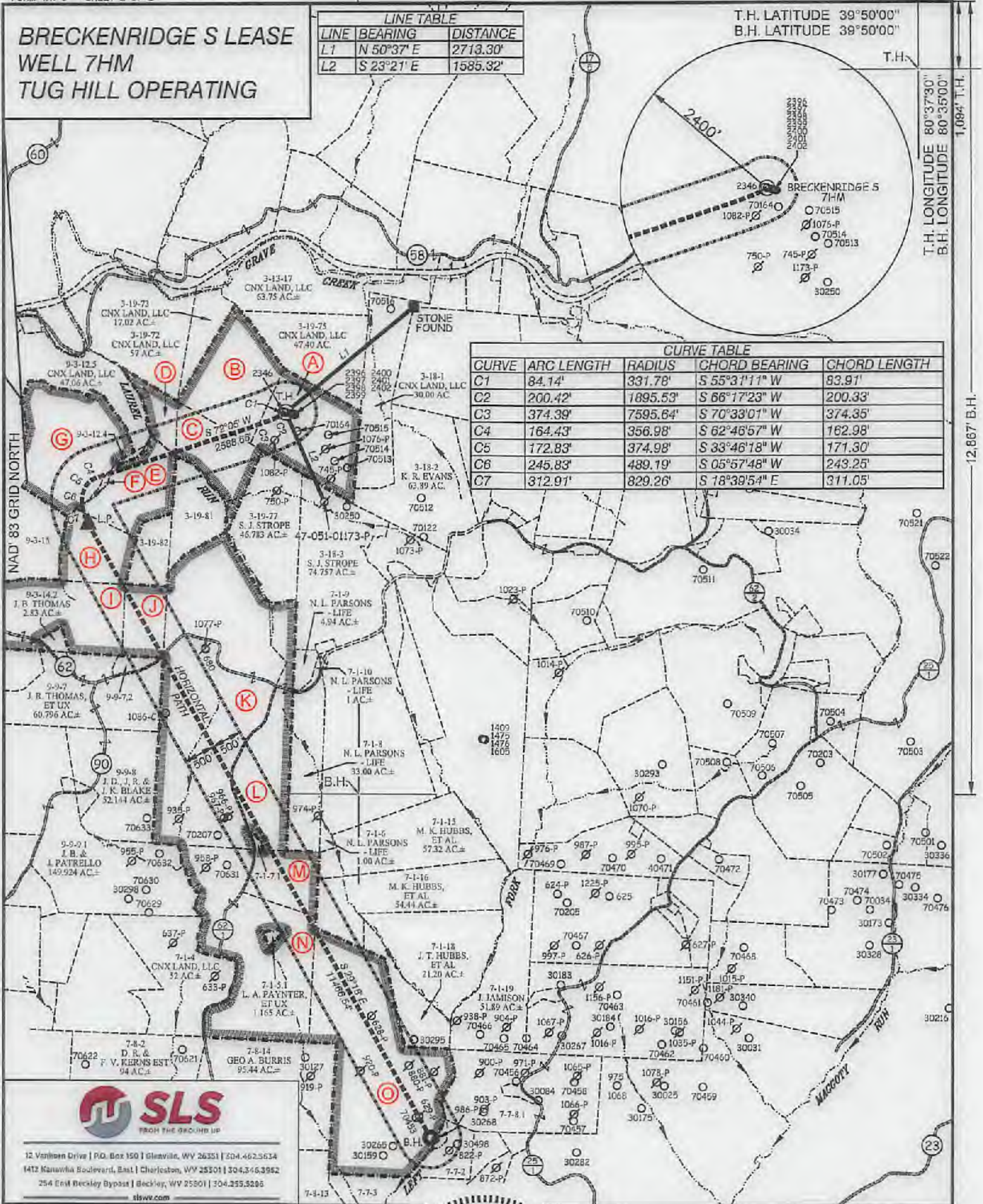
COUNTY NAME
PERMIT

**BRECKENRIDGE S LEASE
WELL 7HM
TUG HILL OPERATING**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 50°37' E	2713.30'
L2	S 23°21' E	1585.32'

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

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



CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	84.14'	331.78'	S 55°31'11" W	83.91'
C2	200.42'	1895.53'	S 66°17'23" W	200.33'
C3	374.39'	7595.64'	S 70°33'01" W	374.35'
C4	164.43'	356.98'	S 62°46'57" W	162.98'
C5	172.83'	374.98'	S 33°46'18" W	171.30'
C6	245.83'	489.19'	S 05°57'48" W	243.25'
C7	312.91'	829.26'	S 18°39'54" E	311.05'

NAD 83 GRID NORTH

12,667' B.H.



12 Vanhook Drive | P.O. Box 150 | Glenview, WV 26351 | 304.462.5634
1412 Manawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295
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(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

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BOTTOM HOLE

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

P.S. *Gregory A. Smith*
677

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)

COUNTY NAME

PERMIT

SCALE 1" = 2000' FILE NO. 9026P7HM.dwg
BRECKENRIDGE S-7HM REV5

DATE OCTOBER 13, 2021
REVISED _____, 20__

OPERATORS WELL NO. BRECKENRIDGE S-7HM
API WELL NO. 47-051-02428
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

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CHARLESTON, WV 25313-1561

01/21/2022