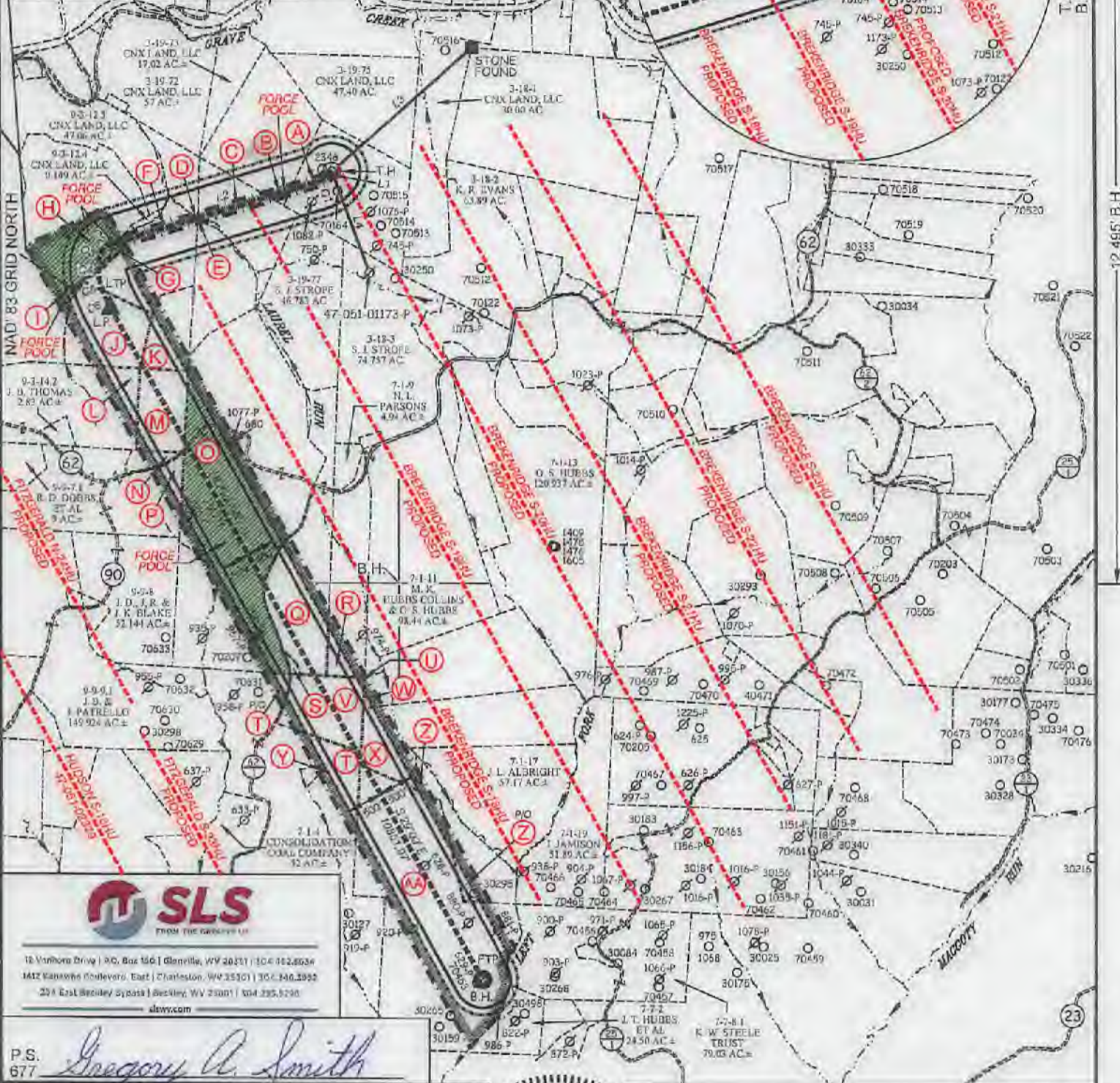


**BRECKENRIDGE S LEASE
UTICA UNIT - 370.92 AC ±
WELL 17HU
TUG HILL OPERATING**

LINE	BEARING	DISTANCE
L1	S 45°57' W	123.54'
L2	S 73°17' W	3103.55'
L3	N 48°45' E	2650.26'
L4	S 20°07' E	1522.30'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	88.92'	196.39'	S 59°36' W	88.16'
C2	152.18'	275.05'	S 53°05' W	150.20'
C3	172.17'	401.78'	S 20°22' W	170.85'
C4	215.61'	785.21'	S 01°54' E	214.93'
C5	229.18'	1296.81'	S 16°10' E	228.89'
C6	228.96'	1716.44'	S 24°57' E	228.79'



18 Vanhook Drive | P.O. Box 156 | Glenville, WV 26031 | 304.922.8934
1412 Kanawha Chautauq, East | Charleston, WV 25301 | 304.346.3392
231 East Barclay Street | Beckley, WV 25801 | 304.235.5290
dswv.com

P.S. *Gregory A. Smith*
677



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

LEGEND

- EXTERIOR UNIT BOUNDARY
- INTERIOR LEASE BOUNDARY
- SURFACE LINE
- PROPOSED UTICA WELL LATERAL
- 400' OFFSET LINE
- 500' OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- FORCE POOL TRACT
- PROPOSED FIRST TAKE POINT
- PROPOSED LAST TAKE POINT
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE ADDITIONAL SHEETS)

SCALE	1" = 2000'	FILE NO.	9028P17HU2.dwg
DATE	MAY 3, 2021	BRECKENRIDGE S-17HU-REV4	
REVISED	JULY 15, AUGUST 12, 2021		
OPERATORS WELL NO.	BRECKENRIDGE S-17HU		
API WELL NO.	47-051-02396	Dep	
NO.	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
CT CORPORATION
ADDRESS 5098 WASHINGTON ST. W, STE 407
CHARLESTON, WV 25313-1561

11/19/2021

COUNTY NAME
PERMIT

**BRECKENRIDGE S LEASE
UTICA UNIT - 370.92 AC±
WELL 17HU
TUG HILL OPERATING**

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

T.H.

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

12,495' B.H.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT) N. 486,507.39 E. 1,652,110.51
NAD'83 GEO. LAT-(N) 39.830281 LONG-(W) 80.626610
NAD'83 UTM (M) N. 4,408,984.82 E. 531,951.29

LANDING POINT

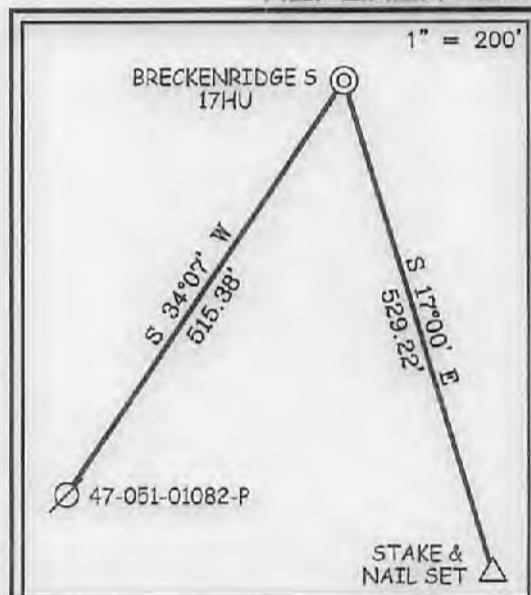
NAD'83 S.P.C.(FT) N. 484,592.1 E. 1,649,961.0
NAD'83 GEO. LAT-(N) 39.824895 LONG-(W) 80.637737
NAD'83 UTM (M) N. 4,408,365.3 E. 531,001.5

BOTTOM HOLE

NAD'83 S.P.C.(FT) N. 475,104.7 E. 1,654,229.1
NAD'83 GEO. LAT-(N) 39.789032 LONG-(W) 80.618561
NAD'83 UTM (M) N. 4,405,521.7 E. 532,654.8

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	3-19-81	26.52
F	XCL PROCESSING OPERATING LLC	3-19-80	30.54
G	CNX LAND, LLC	9-3-11	1.00
H	RAYMOND DEWAINE DOBBS	9-3-12	66.843
I	RAYMOND DEWAINE DOBBS	9-3-15	70.7424
J	XCL PROCESSING OPERATING LLC	9-3-13	28.00
K	XCL PROCESSING OPERATING LLC	3-19-82	14.89
L	RAYMOND DEWAINE DOBBS, ET AL	9-3-14	81.331
M	XCL PROCESSING OPERATING LLC	9-3-13.1	10.00
N	XCL MIDSTREAM OPERATING LLC	9-9-7.2	3.907
O	ANNA D. MORRIS	7-1-1	179.00
P	JAMES R. THOMAS, ET UX	9-9-7	60.796
Q	NANCY L. PARSONS - LIFE	7-1-7	40.86
R	NANCY L. PARSONS - LIFE	7-1-8	33.00
S	NANCY L. PARSONS - LIFE	7-1-7.1	0.50
T	JAMES TIMOTHY HUGGS, ET AL	7-1-5	116.915
U	NANCY L. PARSONS - LIFE	7-1-6	1.00
V	NICHOLAS J. EVANS	7-1-5.2	22.42
W	MOLLY KAY HUBBS COLLINS, ET AL	7-1-15	57.32
X	MOLLY KAY HUBBS COLLINS, ET AL	7-1-16	54.44
Y	LARRY A. PAYNTER, ET UX	7-1-5.1	1.165
Z	JAMES TIMOTHY HUGGS, ET AL	7-1-18	21.20
AA	KAREN S. EVANS & JUDY K. MATTHEWS	7-7-1	124.12

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 ARE 1"=2000'
- PROPOSED LATERAL OR TOP HOLE OF PROPOSED BRECKENRIDGE S-17HU IS WITHIN 3000' OF THE TOP HOLES OR LATERALS OF PROPOSED OR EXISTING WELLS:
PROPOSED BRECKENRIDGE S-18HU,
PROPOSED BRECKENRIDGE S-19HU,
PROPOSED BRECKENRIDGE S-20HU,
PROPOSED BRECKENRIDGE S-21HU,
PROPOSED BRECKENRIDGE S-22HU,
PROPOSED BRECKENRIDGE S-23HU,
PROPOSED FITZGERALD S-23HU &
PROPOSED FITZGERALD N-24HU.

B.H.



12 Vanders Drive | P.O. Box 160 | Glenville, WV 26031 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.348.2952
254 East Beckley Bypass | Beckley, WV 26801 | 304.255.6295
slsv.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 MAY 3, 20 21
REVISED JULY 15, AUGUST 12, 20 21
OPERATORS WELL NO. BRECKENRIDGE S-17HU
API WELL NO. 47 - 051 - 02396 Deep
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P17HUR2.dwg
BRECKENRIDGE S-17HU-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 INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION: GROUND = 1,388.80' 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 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 POINT PLEASANT
ESTIMATED DEPTH TVD: 12,058' / TMD: 24,042'

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

COUNTY NAME
PERMIT

**BRECKENRIDGE S LEASE
UTICA UNIT - 370.92 AC±
WELL 17HU
TUG HILL OPERATING**



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5236
sllwv.com

NO.	Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Deed Book/Page
✓ 1	10*31242	3-19-76	A	EVELYN L BUTLER, ET AL	729 49
✓ 2	**FORCE POOL**	3-19-74	B	KATHERINE ZOGG OLIVER	663 449
✓ 3	10*25525	3-19-78	C	JAN MARIE CREGO, ET AL	939 601
✓ 4	10*22872	3-19-79	D	OKEY RAY GILBERT SR, ET AL	974 210
✓ 5	10*25525	3-19-81	E	JAN MARIE CREGO, ET AL	939 601
✓ 6	10*25182	3-19-80	F	CHARLES ISAIAH PARK ALBRIGHT AND EUN JI LEE	1029 503
✓ 7	**FORCE POOL**	9-3-11	G	C. WILLIAM HARRIS	670 177
✓ 8	**FORCE POOL**	9-3-12	H	C. WILLIAM HARRIS	670 177
✓ 9	**FORCE POOL**	9-3-15	I	RAYMOND DEWAINE DOBBS	677 229
✓ 10	10*25188	9-3-13	J	JEFFREY LEE ALBRIGHT AND HYESOO PARK ALBRIGHT, ET AL	1029 505
✓ 11	10*25188	3-19-82	K	JEFFREY LEE ALBRIGHT AND HYESOO PARK ALBRIGHT, ET AL	1029 505
✓ 12	10*19737	9-3-14	L	ALICE BUZZARD, ET AL	948 195
✓ 13	10*25188	9-3-13.1	M	JEFFREY LEE ALBRIGHT AND HYESOO PARK ALBRIGHT, ET AL	1029 505
✓ 14	10*22767	9-9-7.2	N	DAVID L KINNEY	970 78
✓ 15	**FORCE POOL**	7-1-1	O	CARROLL E. MORRIS AND ANNA D. MORRIS	778 231
✓ 16	10*26738	9-9-7	P	JAMES R THOMAS & DEBORAH L THOMAS	1041 153
✓ 17	10*23798	7-1-7	Q	WILLIAM E PARSONS AND NANCY L PARSONS	1011 489
✓ 18	10*17925	7-1-8	R	BOUNTY MINERALS LLC	928 393
✓ 19	10*19985	7-1-7.1	S	WILLIAM E PARSONS AND NANCY L PARSONS	955 92
✓ 20	10*31110	7-1-5	T	CNX GAS COMPANY LLC	1058 608
✓ 21	10*17925	7-1-6	U	BOUNTY MINERALS LLC	928 393
✓ 22	10*26711	7-1-5.2	V	CNX GAS COMPANY LLC	1074 593
✓ 23	10*17925	7-1-15	W	BOUNTY MINERALS LLC	928 393
✓ 24	10*17925	7-1-16	X	BOUNTY MINERALS LLC	928 393
✓ 25	10*26711	7-1-5.1	Y	CNX GAS COMPANY LLC	1074 593
✓ 26	10*17925	7-1-18	Z	BOUNTY MINERALS LLC	928 393
✓ 27	10*25527	7-7-1	AA	JUDY K MATTHEWS, ET AL	945 103

FILE NO. 9026P17HUR2.dwg
BRECKENRIDGE S-17HU-REV4

DATE MAY 3, 20 21

REVISED JULY 15, AUGUST 12, 20 21

OPERATORS WELL NO. BRECKENRIDGE S-17HU

API WELL NO. 47 — 051 — 02396
STATE COUNTY PERMIT



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



P.S.
677

Gregory A. Smith

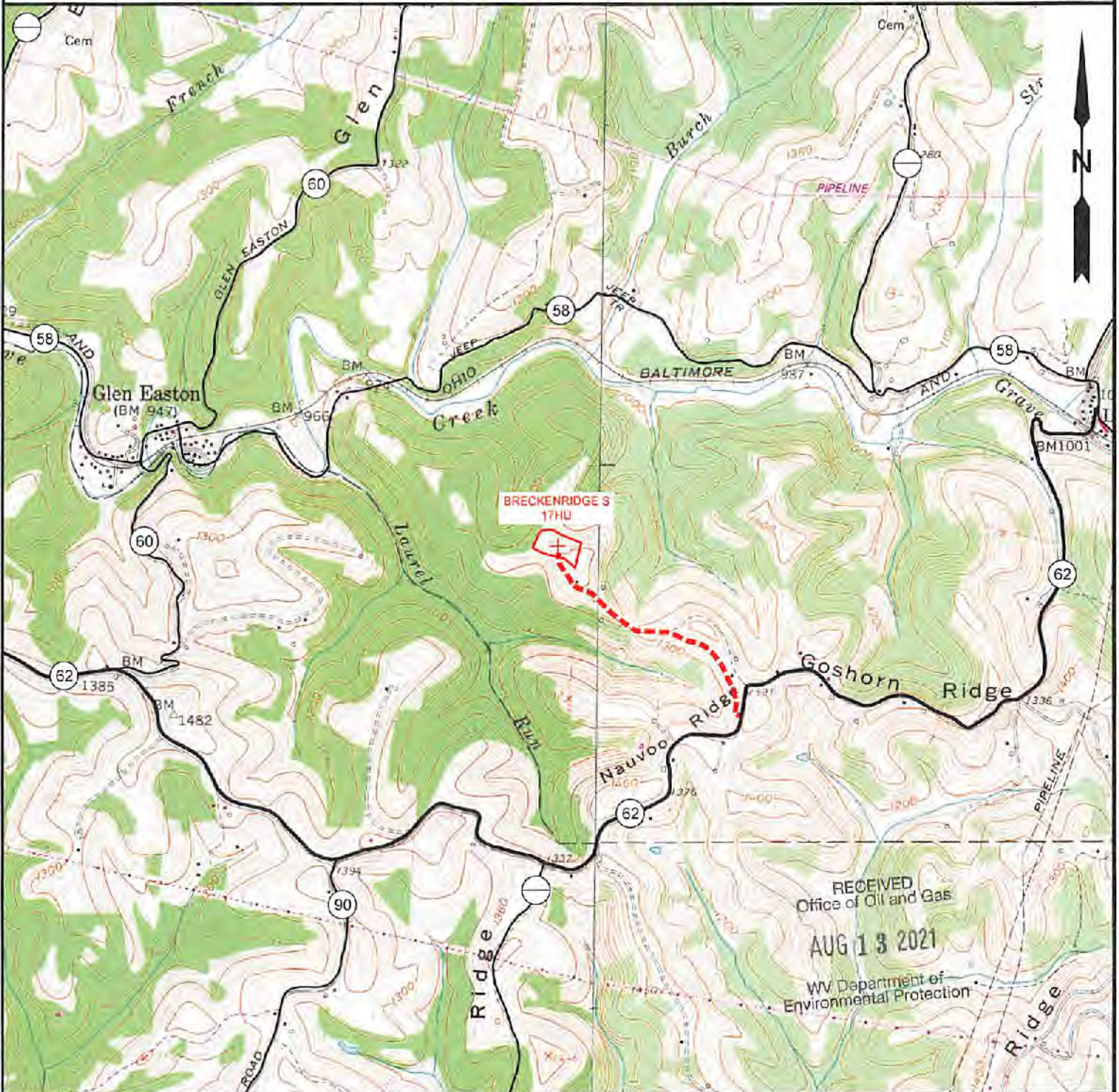
WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

DESIGNATED AGENT DARREN BROWN
CT CORPORATION
ADDRESS 5098 WASHINGTON ST. W, STE 407
CHARLESTON, WV 25313-1561

COUNTY NAME

PERMIT

PROPOSED BRECKENRIDGE S - 17HU



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

LAT: 39.829865
LON: -80.573724
LOCATED: S 88°42'19" E AT 14,928.72' FROM THE CENTER OF BRECKENRIDGE N WELL PAD LOCATION.



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 504.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slswv.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR: TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317	
COUNTY	DISTRICT		
MARSHALL	CAMERON		
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	9026	04/08/2021	1" = 2000'



TUG HILL
OPERATING
11/19/2021