

**BRECKENRIDGE S LEASE
UTICA UNIT - 371.44 AC±
WELL 20HU
TUG HILL OPERATING**

6,197' B.H. 440' T.H.
T.H. LATITUDE 39°50'00"
B.H. LATITUDE 39°50'00"

T.H.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
NAD'83 S.P.C.(FT) N. 486,504.51 E. 1,852,122.16
NAD'83 GEO. LAT-(N) 39.830254 LONG-(W) 80.626568
NAD'83 UTM (M) N. 4,408,964.01 E. 531,954.86
LANDING POINT
NAD'83 S.P.C.(FT) N. 486,571.4 E. 1,852,200.7
NAD'83 GEO. LAT-(N) 39.830440 LONG-(W) 80.626292
NAD'83 UTM (M) N. 4,409,004.8 E. 531,978.4
BOTTOM HOLE
NAD'83 S.P.C.(FT) N. 476,145.7 E. 1,657,942.3
NAD'83 GEO. LAT-(N) 39.802016 LONG-(W) 80.605392
NAD'83 UTM (M) N. 4,405,857.8 E. 533,780.7

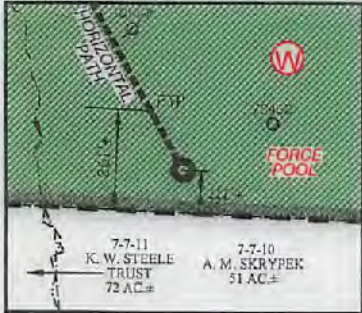
T.H. LONGITUDE 80°37'30"
B.H. LONGITUDE 80°35'00"

TAG	SURFACE OWNER	PARCEL	ACRES
A	CNX LAND, LLC	3-19-76	53.25
B	CNX LAND, LLC	3-19-75	47.40
C	CNX LAND, LLC	3-19-74	44.59
D	SONJA J. STROPE	3-19-77	46.783
E	CNX LAND, LLC	3-18-1	30.00
F	SONJA J. STROPE	3-18-3	74.757
G	KEVIN R. EVANS	3-18-2	63.89
H	DAVID L. & ARIANNE R. ROBINSON	3-18-3.3	16.884
I	DAVID L. & ARIANNE R. ROBINSON	3-18-3.2	1.886
J	OLIVIA SUZANNE HUBBS	3-18-38	0.433
K	CHARLES JARED STROPE	3-18-4	7.25
L	MOLLY KAY HUBBS COLLINS, ET AL	7-1-11	58.44
M	MOLLY KAY HUBBS COLLINS, ET AL	3-18-5	25.372
N	OLIVIA SUZANNE HUBBS	7-1-12	17.68
O	OLIVIA SUZANNE HUBBS	7-1-13	120.937
P	MOLLY KAY HUBBS COLLINS, ET AL	7-1-14	53.67
Q	MOLLY KAY HUBBS COLLINS, ET AL	7-1-15	57.32
R	MOLLY KAY HUBBS COLLINS, ET AL	7-1-16	54.44
S	RICKIE GENE FRYE	7-2-3.1	37.8578
T	JEAN JAMISON	7-1-19	51.89
U	BEVERLY MAE DAVIS	7-2-4	58.08
V	ANTHONY SKRYPEK	7-2-5	20.915
W	JEAN JAMISON	7-7-9.1	97.896

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
3-18-3.1	CAROL J. EVANS - LIFE	1.173
3-18-6.1	ABF WEST VIRGINIA TRANSMISSION COMPANY	10.175
3-18-7	KEVIN R. & SHELLY JO EVANS	3.134
3-18-14	MOLLY KAY HUBBS COLLINS & OLIVIA SUZANNE HUBBS	21.52
3-19-78	CNX LAND, LLC	30.927
3-19-79	CNX LAND, LLC	10.75
3-19-81	XCL PROCESSING OPERATING LLC	26.52
7-2-2	WILLIAM E. PARSONS, ET UX	56.08
7-2-3	BARBARA & RICKIE FRYE	11.24
7-2-3.2	RICKIE GENE FRYE, ET UX	0.9922
7-2-4.1	BEVERLY MAE DAVIS	1.00
7-2-4.2	DAVID L. FRYE	1.25
7-2-5.1	DAVID L. FRYE & MICHAEL G. SCHLIEPER	2.535
7-2-7	CNX LAND, LLC	12.825
7-2-8	CNX LAND, LLC	3.82
7-7-9	WILLARD JUNIOR EVANS & ROSE MARY EVANS - LIFE	2.214

11,408' B.H.

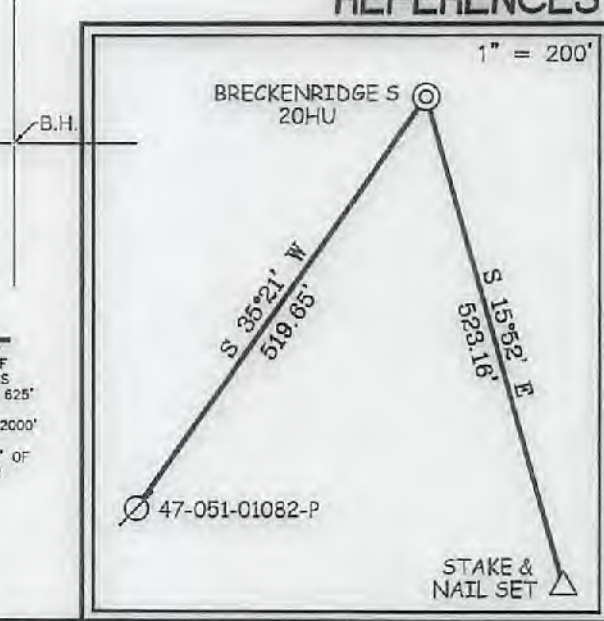
DETAIL SCALE: 1" = 500'



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

REFERENCES



12 Vanover Drive | P.O. Box 150 | Glenview, WV 26031 | 304.662.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.355.5295
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. 677 Gregory A. Smith



(+) 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-20HU
API WELL NO. 47 - 051 - 02399
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P20HUR2.dwg
BRECKENRIDGE S-20HU-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 = 1,389.60' 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: 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: 12,087' / TMD: 24,319'

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

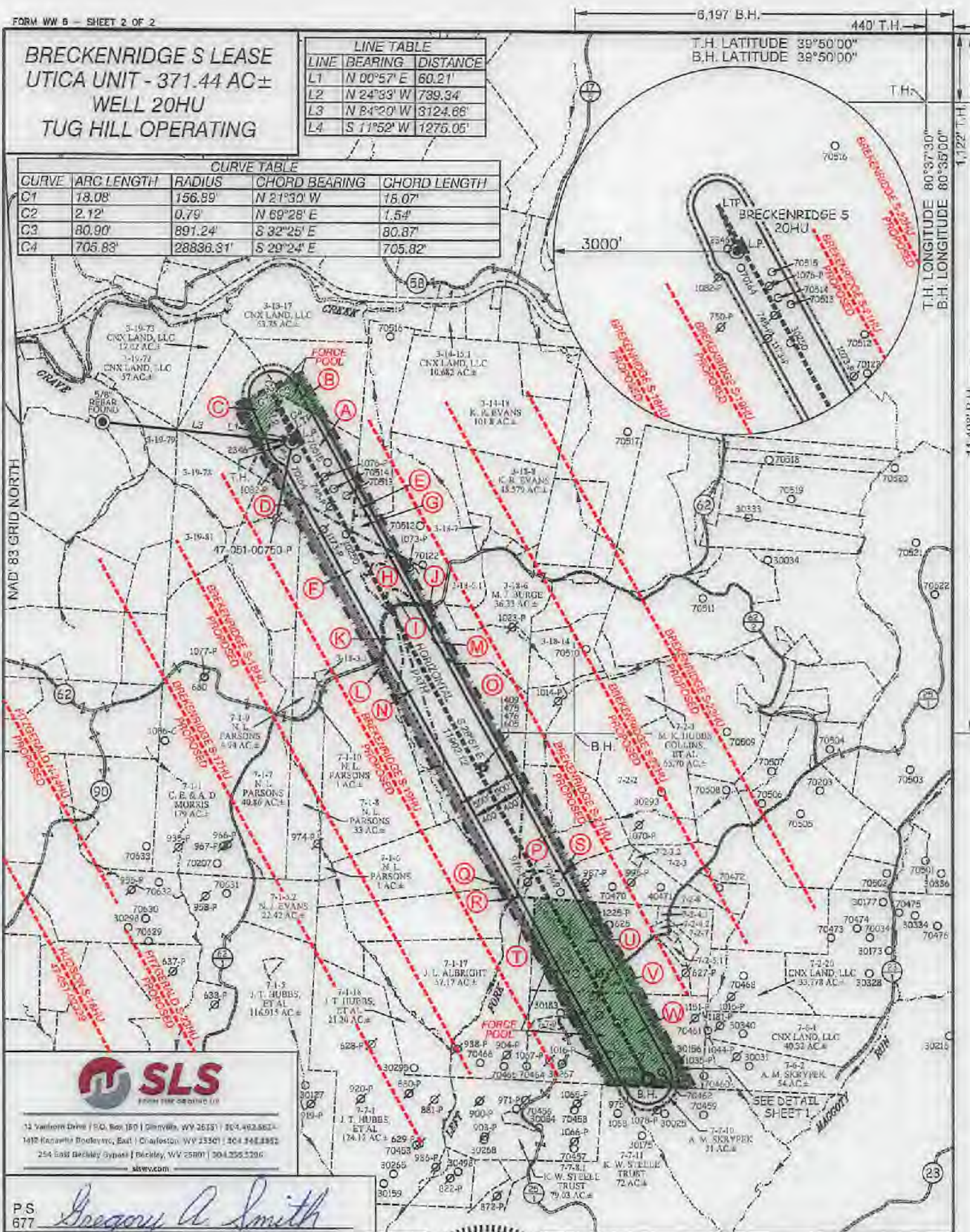
COUNTY NAME PERMIT

11/19/2021

**BRECKENRIDGE S LEASE
UTICA UNIT - 371.44 AC±
WELL 20HU
TUG HILL OPERATING**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 00°57' E	60.21'
L2	N 24°33' W	739.34'
L3	N 84°20' W	3124.86'
L4	S 11°52' W	1276.05'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	18.08'	156.89'	N 21°30' W	16.07'
C2	2.12'	0.79'	N 69°28' E	1.54'
C3	80.90'	891.24'	S 32°25' E	80.87'
C4	705.83'	28836.31'	S 20°24' E	705.82'



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

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

NAD 83 GRID NORTH

1,122' T.H.

1,408' B.H.



12 Vanhorn Drive | P.O. Box 160 | Glenville, WV 26031 | 804.492.5631
1410 Kanawha Boulevard, East | Charleston, WV 25301 | 804.342.8882
254 East Beckley Square | Beckley, WV 25801 | 804.258.5206
slsv.com

PS 677 *Gregory A. Smith*



(+) 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)

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)			
NAD83 S.P.C.(FT)	N. 488,504.51	E. 1,662,122.16	
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BOTTOM HOLE			
NAD83 S.P.C.(FT)	N. 478,145.7	E. 1,657,942.3	
NAD83 GEO.	LAT-(N) 39.802018	LONG-(W) 80.805392	
NAD83 UTM (M)	N. 4,405,857.8	E. 533,780.7	

SCALE 1" = 2000' FILE NO. 9026P20HUR2.dwg
BRECKENRIDGE S-20HU-REV4
DATE MAY 3, 20 21
REVISED JULY 15, AUGUST 12, 20 21
OPERATORS WELL NO. BRECKENRIDGE S-20HU
API WELL NO. 47-051-02389
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 25313-1661

COUNTY NAME PERMIT

11/19/2021

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 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
 slsww.com

NO.	Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Deed Book/Page
✓ 1	10*31241	3-19-76	A	JAMES R WAYT, ET AL	729 40
2	**FORCE POOL**	3-19-75	B	KATHERINE ZOGG OLIVER	663 449
✓ 3	**FORCE POOL**	3-19-74	C	KATHERINE ZOGG OLIVER	663 449
4	10*25525	3-19-77	D	JAN MARIE CREGO, ET AL	939 601
5	10*17925	3-18-1	E	BOUNTY MINERALS LLC	928 393
✓ 6	10*17925	3-18-3	F	BOUNTY MINERALS LLC	928 393
7	10*17925	3-18-2	G	BOUNTY MINERALS LLC	928 393
✓ 8	10*17925	3-18-3.3	H	BOUNTY MINERALS LLC	928 393
9	10*17925	3-18-3.2	I	BOUNTY MINERALS LLC	928 393
10	10*17925	3-18-38	J	BOUNTY MINERALS LLC	928 393
✓ 11	10*17925	3-18-4	K	BOUNTY MINERALS LLC	928 393
12	10*17925	7-1-11	L	BOUNTY MINERALS LLC	928 393
13	10*17925	3-18-5	M	BOUNTY MINERALS LLC	928 393
✓ 14	10*17925	7-1-12	N	BOUNTY MINERALS LLC	928 393
15	10*17925	7-1-13	O	BOUNTY MINERALS LLC	928 393
✓ 16	10*29980	7-1-14	P	OLIVIA S ALLEN AND TIM C ALLEN	1103 537
17	10*30003	7-1-14	P	MOLLY K COLLINS AND CHAD J COLLINS	1103 541
18	10*17925	7-1-15	Q	BOUNTY MINERALS LLC	928 393
19	10*17925	7-1-16	R	BOUNTY MINERALS LLC	928 393
✓ 20	10*25603	7-2-3.1	S	BEVERLY MAE DAVIS, ET AL	910 270
21	10*17925	7-1-19	T	BOUNTY MINERALS LLC	928 393
✓ 22	10*30483	7-2-4	U	DAVID W MITCHELL, ET AL	1105 1
23	10*30483	7-2-5	V	DAVID W MITCHELL, ET AL	1105 1
✓ 24	10*29038	7-7-9.1	W	CONSTANCE LINT, ET AL	747 86

FILE NO. 9026P20HUR2.dwg
BRECKENRIDGE S-20HU-REV4

DATE MAY 3, 2021

REVISED JULY 15, AUGUST 12, 2021

OPERATORS WELL NO. BRECKENRIDGE S-20HU

API WELL NO. 47 — 051 — 02399
 NO. STATE COUNTY PERMIT



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 OFFICE OF OIL AND GAS



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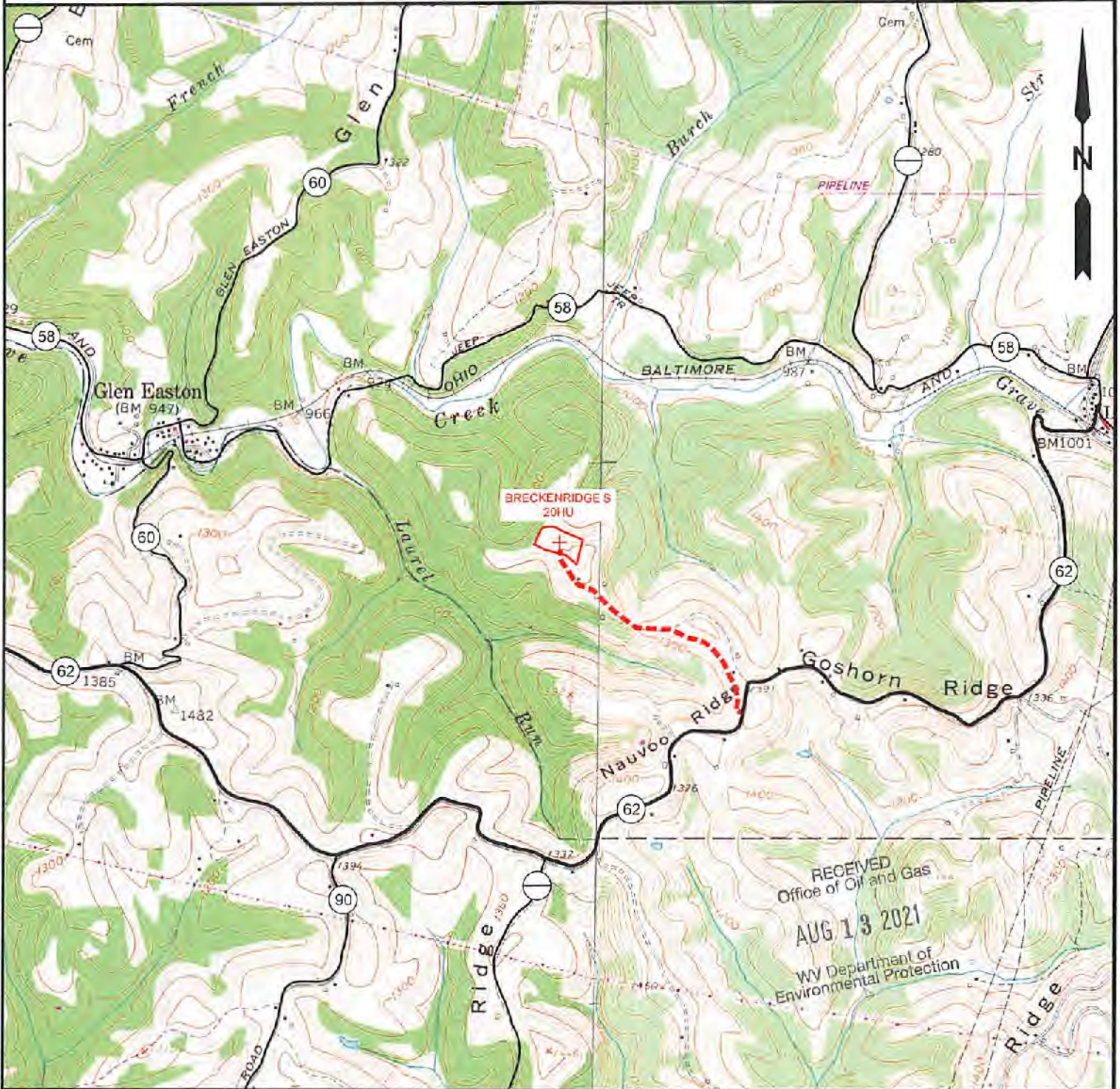
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COUNTY NAME

PERMIT

PROPOSED BRECKENRIDGE S - 20HU



RECEIVED
Office of Oil and Gas
AUG 13 2021
WV Department of
Environmental Protection

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.



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1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.345.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295
slswv.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR: TUG HILL OPERATING, LLC 360 SOUTHPONTE 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