

**BRECKENRIDGE S LEASE
UTICA UNIT - 352.75 AC±
WELL 19HU
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"

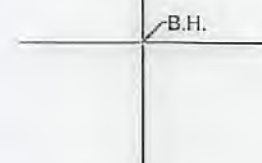
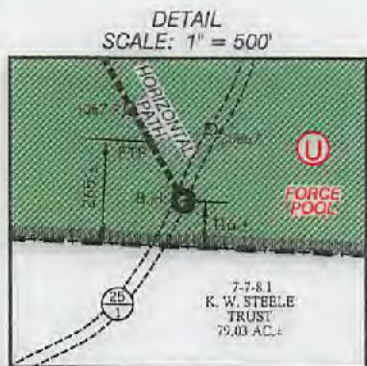
11,356' B.H.

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	SONJA J. STROPE	3-19-77	46.783
G	NANCY L. PARSONS - LIFE	7-1-7	49.86
H	SONJA J. STROPE	3-18-3	74.757
I	CAROL J. EVANS - LIFE	3-18-3.1	1.173
J	NANCY L. PARSONS - LIFE	7-1-9	4.94
K	NANCY L. PARSONS - LIFE	7-1-10	1.00
L	NANCY L. PARSONS - LIFE	7-1-8	33.00
M	MOLLY KAY HUBBS COLLINS, ET AL	7-1-11	98.44
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	7-1-15	57.32
Q	MOLLY KAY HUBBS COLLINS, ET AL	7-1-16	54.44
R	JEFFREY L. ALBRIGHT	7-1-17	57.17
S	JEAN JAMISON	7-1-19	51.89
T	BEVERLY MAE DAVIS	7-2-4	58.08
U	JEAN JAMISON	7-7-9.1	97.896
V	WILLARD JUNIOR EVANS & ROSE MARIE EVANS - LIFE	7-7-9	2.214

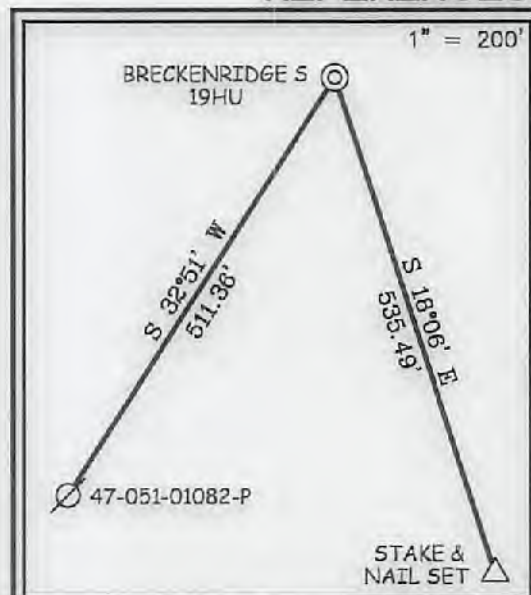
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 486,610.28	E. 1,652,098.97
NAD'83 GEO.	LAT-(N) 39.830269	LONG-(W) 80.626651
NAD'83 UTM (M)	N. 4,408,985.65	E. 531,947.73
LANDING POINT		
NAD'83 S.P.C.(FT)	N. 485,979.0	E. 1,650,974.7
NAD'83 GEO.	LAT-(N) 39.828771	LONG-(W) 80.630830
NAD'83 UTM (M)	N. 4,408,818.1	E. 531,606.0
BOTTOM HOLE		
NAD'83 S.P.C.(FT)	N. 476,216.0	E. 1,656,467.5
NAD'83 GEO.	LAT-(N) 39.802159	LONG-(W) 80.610644
NAD'83 UTM (M)	N. 4,405,871.7	E. 533,331.1

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
3-18-3.2	DAVID L. & ARIANNE R. ROBINSON	1.836
3-18-3.3	DAVID L. & ARIANNE R. ROBINSON	16.884
3-18-4	CHARLES JARED STROPE	7.25
3-18-5	MOLLY KAY HUBBS COLLINS & OLIVIA SUZANNE HUBBS	25.372
3-18-38	OLIVIA SUZANNE HUBBS	0.433



REFERENCES



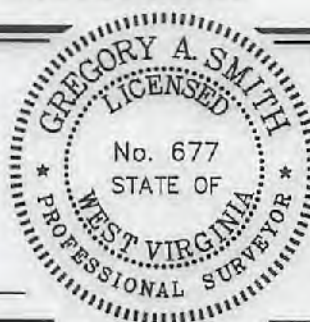
NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS ≥ 2600 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 525' OF THE CENTER OF PROPOSED WELL PAD.
- WELL SPOT CIRCLE & TOP MARK SCALE ARE 1"=2000'
- PROPOSED LATERAL OR TOP HOLE OF PROPOSED BRECKENRIDGE S-19HU 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-20HU,
 PROPOSED BRECKENRIDGE S-21HU,
 PROPOSED BRECKENRIDGE S-22HU,
 PROPOSED BRECKENRIDGE S-23HU.

13 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26381 | 304.462.5534
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
 slsvw.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-19HU
 API WELL NO. 47 - 051 - 02398
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P19HUR2.dwg
BRECKENRIDGE S-19HU-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 = 1,387.60' 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: 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: 12,075' / TMD: 23,780'

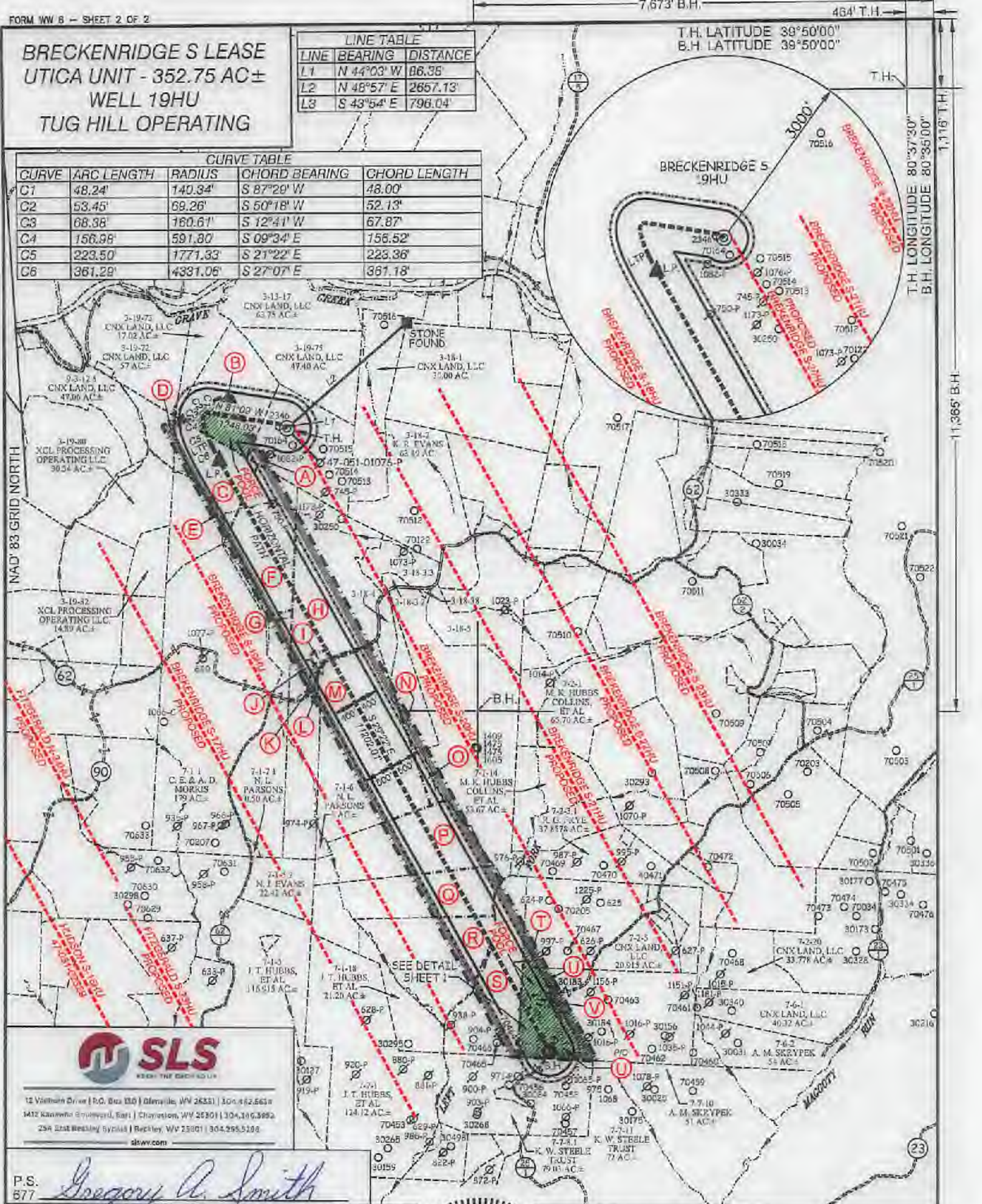
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS CT CORPORATION
FORT WORTH, TX 76107 ADDRESS 5098 WASHINGTON ST. W, STE 407
CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

**BRECKENRIDGE S LEASE
UTICA UNIT - 352.75 AC±
WELL 19HU
TUG HILL OPERATING**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 44°03' W	86.38'
L2	N 46°57' E	2657.13'
L3	S 43°54' E	796.04'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	48.24'	140.34'	S 87°29' W	48.00'
C2	53.45'	69.26'	S 50°18' W	52.13'
C3	68.38'	160.61'	S 12°41' W	67.87'
C4	156.98'	591.80'	S 09°34' E	156.52'
C5	223.50'	1771.33'	S 21°22' E	223.36'
C6	361.29'	4331.06'	S 27°07' E	361.18'



12 Vietnam Drive | P.O. Box 130 | Olneyville, WV 26351 | 304.622.6631
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.316.3992
294 East Weckley Springs | Beckley, WV 25801 | 304.295.5199
slsvw.com

P.S. 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. 485,510.28	E. 1,652,095.87	
NAD83 GEO.	LAT-(N) 39.830269	LONG-(W) 80.628651	
NAD83 UTM (M)	N. 4,408,985.65	E. 531,947.73	
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NAD83 UTM (M)	N. 4,409,816.1	E. 531,008.0	
BOTTOM HOLE			
NAD83 S.P.C.(FT)	N. 478,218.0	E. 1,655,467.5	
NAD83 GEO.	LAT-(N) 39.802159	LONG-(W) 80.610644	
NAD83 UTM (M)	N. 4,405,671.7	E. 533,331.1	

SCALE 1" = 2000' FILE NO. 9026P19HUR2.dwg
BRECKENRIDGE S-19HU-REV4
DATE MAY 3, 20 21
REVISED JULY 15, AUGUST 12, 20 21
OPERATORS WELL NO. BRECKENRIDGE S-19HU
API WELL 47 - 051 - 02398
NO. STATE COUNTY PERMIT

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

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

11/19/2021

COUNTY NAME PERMIT

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slswv.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**	3-19-74	B	KATHERINE ZOGG OUIVER	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*25525	3-19-77	F	JAN MARIE CREGO, ET AL	939 / 601
7	10*23798	7-1-7	G	WILLIAM E PARSONS AND NANCY L PARSONS	1011 / 489
✓ 8	10*17925	3-18-3	H	BOUNTY MINERALS LLC	928 / 393
✓ 9	10*17925	3-18-3.1	I	BOUNTY MINERALS LLC	928 / 393
10	10*17925	7-1-9	J	BOUNTY MINERALS LLC	928 / 393
11	10*17925	7-1-10	K	BOUNTY MINERALS LLC	928 / 393
12	10*17925	7-1-8	L	BOUNTY MINERALS LLC	928 / 393
✓ 13	10*17925	7-1-11	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*17925	7-1-15	P	BOUNTY MINERALS LLC	928 / 393
✓ 17	10*17925	7-1-16	Q	BOUNTY MINERALS LLC	928 / 393
✓ 18	10*17925	7-1-17	R	BOUNTY MINERALS LLC	928 / 393
✓ 19	10*17925	7-1-19	S	BOUNTY MINERALS LLC	928 / 393
20	10*30483	7-2-4	T	DAVID W MITCHELL, ET AL	1105 / 1
✓ 21	10*29038	7-7-9.1	U	CONSTANCE LINT, ET AL	747 / 86
✓ 22	10*29038	7-7-9	V	CONSTANCE LINT, ET AL	747 / 86

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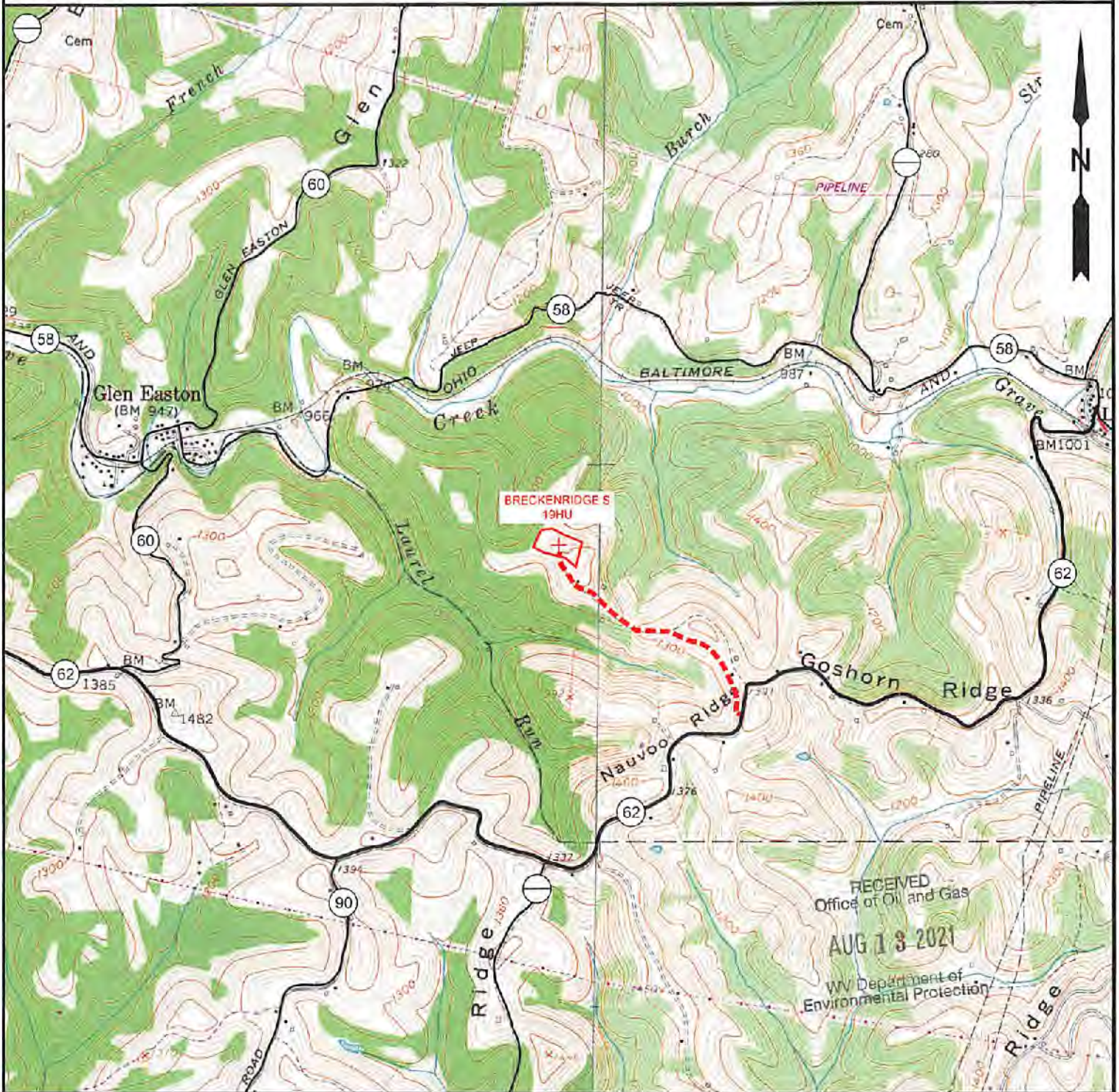
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ADDRESS CT CORPORATION
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CHARLESTON, WV 25313-1561

COUNTY NAME
PERMIT

PROPOSED BRECKENRIDGE S - 19HU



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 Vainikon Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5631
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.5952
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 360 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