

**BRECKENRIDGE S LEASE  
UTICA UNIT - 331.76 AC±  
WELL 18HU  
TUG HILL OPERATING**

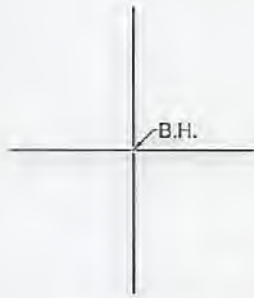
T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

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	RAYMOND DEWAINE DOBBS	9-3-12	66.843
G	CNX LAND, LLC	9-3-11	1.00
H	XCL PROCESSING OPERATING LLC	3-19-82	14.89
I	XCL PROCESSING OPERATING LLC	3-19-81	26.52
J	ANNA D. MORRIS	7-1-1	179.00
K	SONJA J. STROPE	3-19-77	46.783
L	NANCY L. PARSONS - LIFE	7-1-7	40.86
M	SONJA J. STROPE	3-18-3	74.757
N	NANCY L. PARSONS - LIFE	7-1-9	4.94
O	NANCY L. PARSONS - LIFE	7-1-10	1.00
P	NANCY L. PARSONS - LIFE	7-1-8	33.00
Q	MOLLY KAY HUBBS COLLINS, ET AL.	7-1-11	98.44
R	NANCY L. PARSONS - LIFE	7-1-6	1.00
S	MOLLY KAY HUBBS COLLINS, ET AL.	7-1-15	57.32
T	MOLLY KAY HUBBS COLLINS, ET AL.	7-1-16	54.44
U	JEFFREY L. ALBRIGHT	7-1-17	57.17
V	KAREN S. EVANS & JUDY K. MATTHEWS	7-7-1	124.12
W	JAMES TIMOTHY HUGGS, ET AL.	7-1-18	21.20
X	JEAN JAMISON	7-1-19	51.89

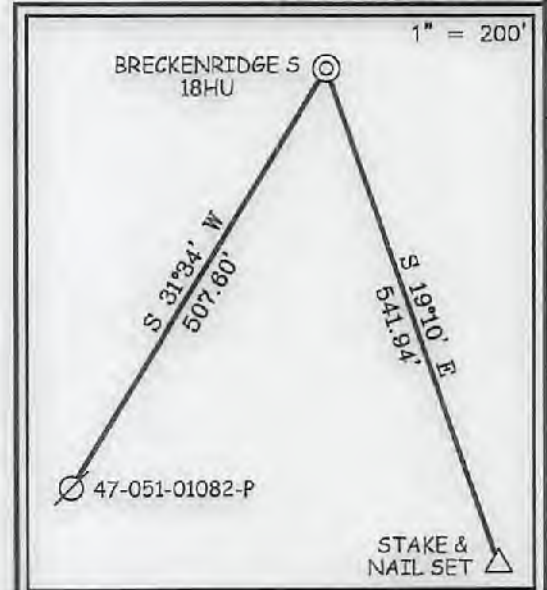
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 486,519.17	E. 1,652,087.22
NAD'83 GEO.	LAT-(N) 39.830276	LONG-(W) 80.626693
NAD'83 UTM (M)	N. 4,408,886.47	E. 531,944.17
<b>LANDING POINT</b>		
NAD'83 S.P.C.(FT)	N. 484,893.2	E. 1,650,228.0
NAD'83 GEO.	LAT-(N) 39.825785	LONG-(W) 80.633247
NAD'83 UTM (M)	N. 4,403,483.5	E. 531,385.4
<b>BOTTOM HOLE</b>		
NAD'83 S.P.C.(FT)	N. 476,232.2	E. 1,655,035.3
NAD'83 GEO.	LAT-(N) 39.802155	LONG-(W) 80.615742
NAD'83 UTM (M)	N. 4,405,869.3	E. 532,894.7

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
3-18-3.1	CAROL J. EVANS - LIFE	1.173
3-18-3.2	DAVID L. & ARIANNE R. ROBINSON	1.886
3-18-3.3	DAVID L. & ARIANNE R. ROBINSON	16.884
3-18-4	CHARLES JARED STROPE	7.25
7-1-5.2	NICHOLAS J. EVANS	22.42
7-1-7.1	NANCY L. PARSONS	0.50
7-1-12	OLIVIA SUZANNE HUBBS	17.68
7-7-9	WILLARD JUNIOR EVANS & ROSE MARY EVENS - LIFE	2.214
9-3-13	XCL PROCESSING OPERATING LLC	28.00
9-3-13.1	XCL PROCESSING OPERATING LLC	10.00
9-3-15	RAYMOND DEWAINE DOBBS	70.7424
9-9-7.2	XCL MIDSTREAM OPERATING LLC	3.907



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

12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26031 | 304.462.5634  
1412 Kenawha Boulevard, East | Charleston, WV 25301 | 304.346.3952  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5295  
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 MAY 3, 20 21  
REVISED JULY 15, AUGUST 12, 20 21  
OPERATORS WELL NO. BRECKENRIDGE S-18HU  
API WELL NO. 47 - 051 - 02397  
STATE            COUNTY            PERMIT           

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P18HUR2.dwg  
HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'  
BRECKENRIDGE S-18HU-REV5

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 = 1,386.70' 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: 12,066' / TMD: 22,594'

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

COUNTY NAME  
PERMIT



**BRECKENRIDGE S LEASE  
UTICA UNIT - 331.76 AC ±  
WELL 18HU  
TUG HILL OPERATING**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 73°57' W	182.50'
L2	S 68°42' W	543.50'
L3	S 87°09' W	1366.57'
L4	N 49°10' E	2664.04'
L5	S 20°52' E	1535.86'

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	39.67'	444.98'	S 70°00' W	39.65'
C2	50.19'	121.10'	S 52°44' W	49.83'
C3	102.48'	205.34'	S 22°16' W	101.42'
C4	142.83'	562.70'	S 00°44' W	142.45'
C5	271.88'	1163.84'	S 13°10' E	271.26'
C6	327.05'	2009.62'	S 24°28' E	326.69'

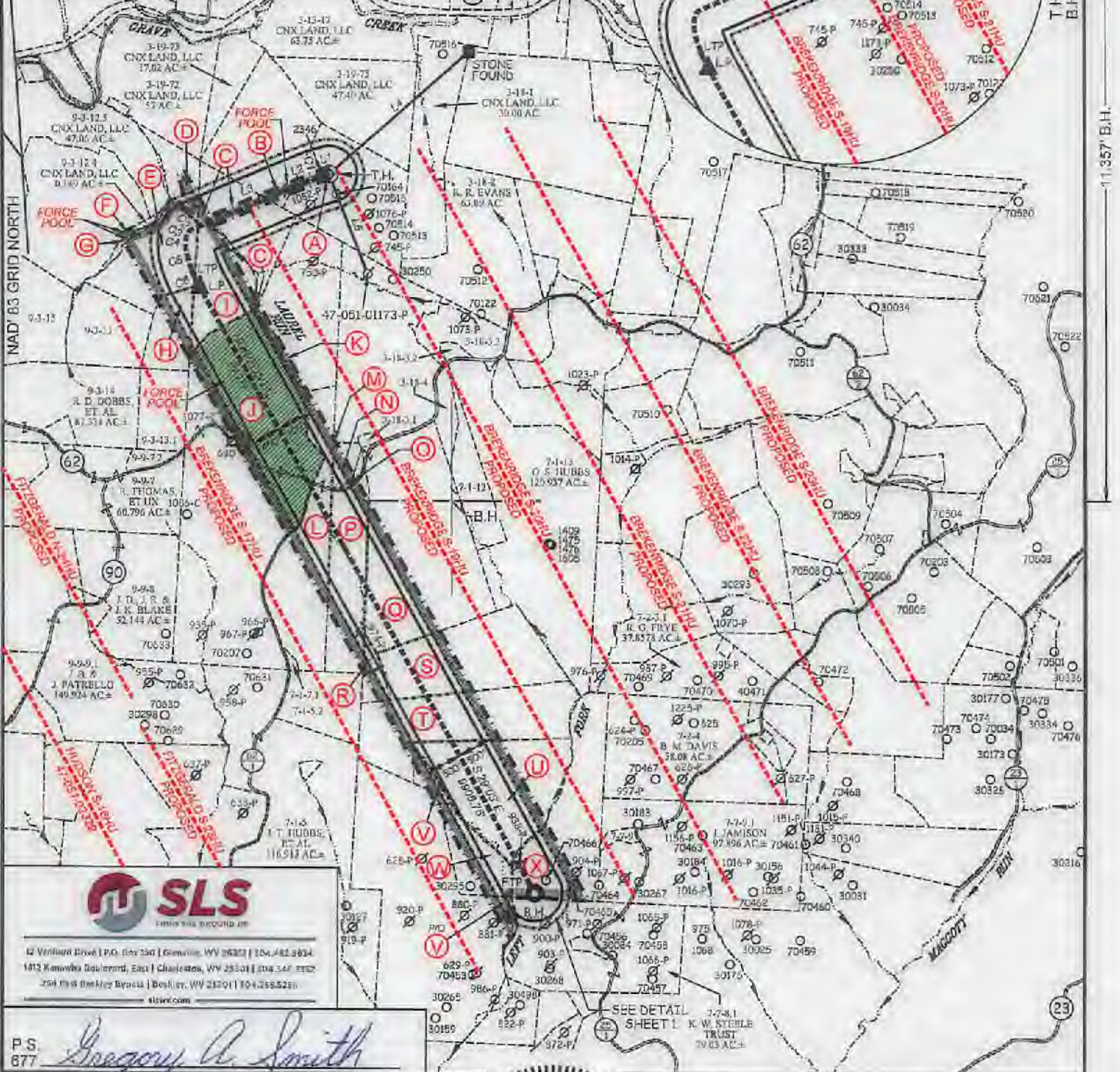
T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

NAD 83 GRID NORTH

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

11,114' T.H.

11,357' B.H.



12 Venturian Drive | P.O. Box 150 | Glenview, WV 26033 | 304.482.2834  
1812 Kanawha Boulevard, East | Charleston, WV 25301 | 304.546.7852  
254 First Bankers Bypass | Beckley, WV 26201 | 304.258.5255  
sllwv.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)		
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NAD83 GEO.	LAT-(N) 39.830276	LONG-(W) 80.626693
NAD83 UTM (M)	N. 4,409,966.47	E. 531,944.17
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SCALE 1" = 2000' FILE NO. 9028P18HUR2.dwg  
BRECKENRIDGE S-18HU-REV5  
DATE MAY 3 20 21  
REVISED JULY 15, AUGUST 12 20 21  
OPERATORS WELL NO. BRECKENRIDGE S-18HU  
API WELL 47 — 051 — 02397  
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 - 331.76 AC±  
WELL 18HU  
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 25001 | 304.255.5296  
slswv.com

NO.	Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Deed Book/Page	
✓ 1	10*31242	3-19-76	A	EVELYN I. 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*25182	3-19-80	E	CHARLES ISAAH PARK ALBRIGHT AND EUN JI LEE	1029	503
✓ 6	**FORCE POOL**	9-3-12	F	C. WILLIAM HARRIS	670	177
✓ 7	**FORCE POOL**	9-3-11	G	C. WILLIAM HARRIS	670	177
✓ 8	10*25188	3-19-82	H	JEFFREY LEE ALBRIGHT AND HYESOO PARK ALBRIGHT, ET AL	1029	505
✓ 9	10*25525	3-19-81	I	JAN MARIE CREGO, ET AL	939	601
✓ 10	**FORCE POOL**	7-1-1	J	CARROLL E. MORRIS AND ANNA D. MORRIS	778	231
✓ 11	10*25525	3-19-77	K	JAN MARIE CREGO, ET AL	939	601
✓ 12	10*23798	7-1-7	L	WILLIAM E PARSONS AND NANCY L PARSONS	1011	489
✓ 13	10*17925	3-18-3	M	BOUNTY MINERALS LLC	928	393
✓ 14	10*17925	7-1-9	N	BOUNTY MINERALS LLC	928	393
✓ 15	10*17925	7-1-10	O	BOUNTY MINERALS LLC	928	393
✓ 16	10*17925	7-1-8	P	BOUNTY MINERALS LLC	928	393
✓ 17	10*17925	7-1-11	Q	BOUNTY MINERALS LLC	928	393
✓ 18	10*17925	7-1-6	R	BOUNTY MINERALS LLC	928	393
✓ 19	10*17925	7-1-15	S	BOUNTY MINERALS LLC	928	393
✓ 20	10*17925	7-1-16	T	BOUNTY MINERALS LLC	928	393
✓ 21	10*17925	7-1-17	U	BOUNTY MINERALS LLC	928	393
✓ 22	10*25927	7-7-1	V	JUDY K MATTHEWS	945	103
✓ 23	10*25530	7-7-1	V	KAREN S WHEIZAL	945	99
✓ 24	10*17925	7-1-18	W	BOUNTY MINERALS LLC	928	393
✓ 25	10*17925	7-1-19	X	BOUNTY MINERALS LLC	928	393

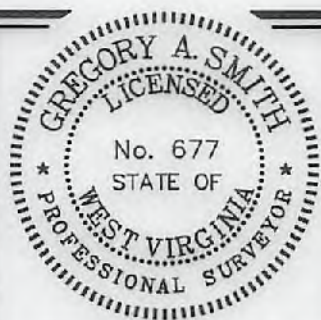
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BRECKENRIDGE S-18HU-REV5

DATE MAY 3, 20 21

REVISED JULY 15, AUGUST 12, 20 21

OPERATORS WELL NO. BRECKENRIDGE S-18HU

API WELL NO. 47 — 051 — 02397  
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

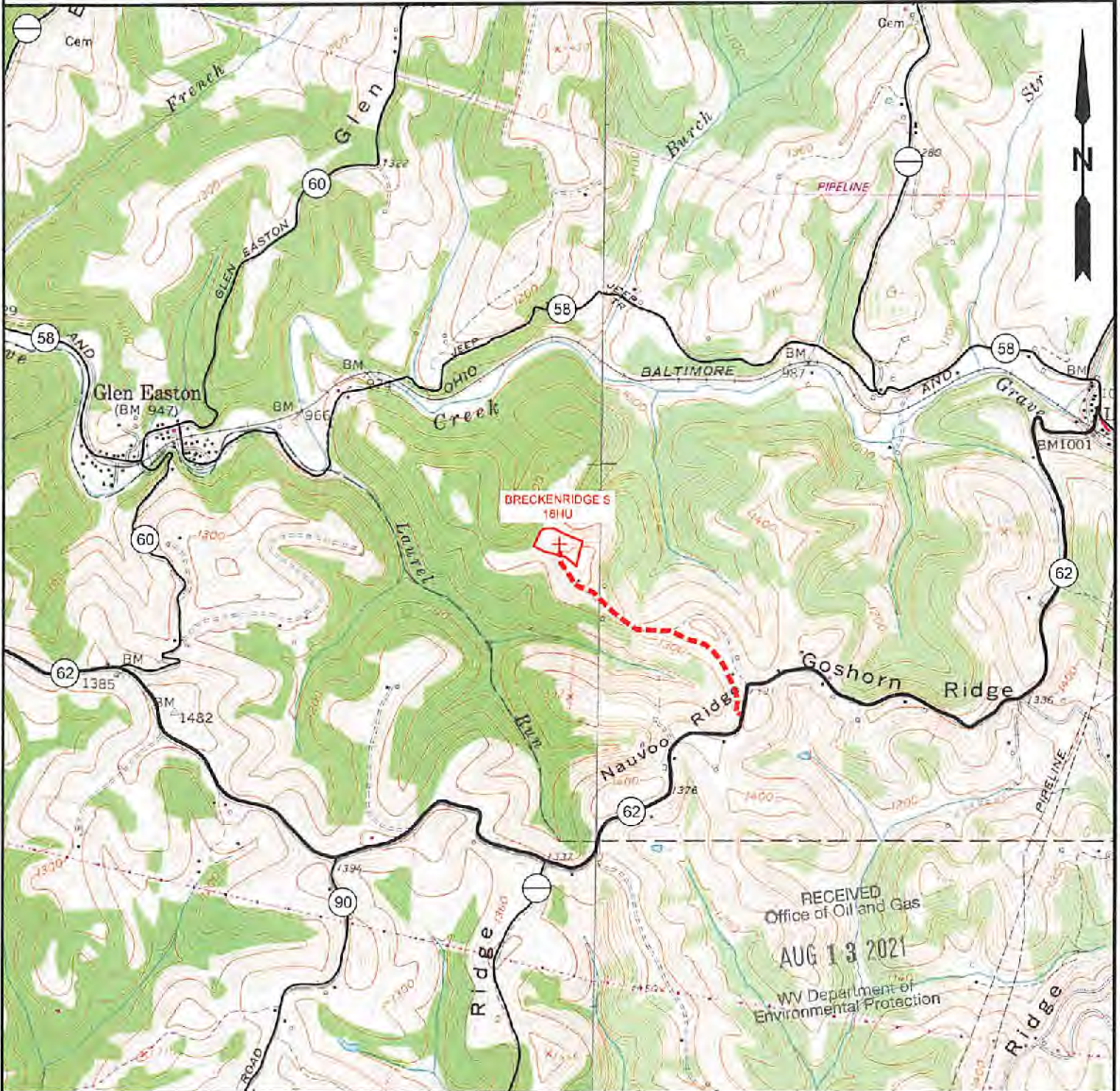
DARREN BROWN  
CT CORPORATION  
5098 WASHINGTON ST. W, STE 407  
CHARLESTON, WV 25313-1561

COUNTY NAME

PERMIT



# PROPOSED BRECKENRIDGE S - 18HU



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: 39.829885  
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 | 304.345.3452  
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.6296  
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