

**BRECKENRIDGE S LEASE
UTICA UNIT - 341.79 AC±
WELL 21HU
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"

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	3-18-1	30.00
D	KEVIN R. EVANS	3-14-18	101.8
E	KEVIN R. EVANS	3-18-2	63.89
F	KEVIN R. & SHELLY JO EVANS	3-18-7	3.134
G	KEVIN R. EVANS	3-18-8	45.579
H	KEVIN R. & SHELLY JO EVANS	3-18-8.2	2.302
I	DAVID L. & ARIANNE R. ROBINSON	3-18-3.3	16.894
J	OLIVIA SUZANNE HUBBS	3-18-38	0.433
K	AEP WEST VIRGINIA TRANSMISSION COMPANY INC.	3-18-6.1	10.175
L	MARY L. BURGE	3-18-6	36.33
M	MOLLY KAY HUBBS COLLINS, ET AL	3-18-5	25.372
N	MOLLY KAY HUBBS COLLINS, ET AL	3-18-13	18.014
O	MOLLY KAY HUBBS COLLINS, ET AL	3-18-14	21.52
P	OLIVIA SUZANNE HUBBS	7-1-13	120.937
Q	MOLLY KAY HUBBS COLLINS, ET AL	7-2-1	65.70
R	MOLLY KAY HUBBS COLLINS, ET AL	7-1-14	53.67
S	WILLIAM E. & NANCY L. PARSONS	7-2-2	56.08
T	RICKIE GENE FRYE	7-2-3.1	37.8578
U	RICKIE GENE FRYE, ET UX	7-2-3.2	0.9922
V	BARBARA & RICKIE FRYE	7-2-3	11.24
W	BEVERLY MAE DAVIS	7-2-4	58.08
X	BEVERLY MAE DAVIS	7-2-4.1	1.00
Y	CNX LAND, LLC	7-2-8	3.82
Z	DAVID L. FRYE	7-2-4.2	1.25
AA	CNX LAND, LLC	7-2-7	12.825
BB	DAVID L. FRYE & MICHAEL G. SCHLIEPER	7-2-7.1	2.665
CC	DAVID L. FRYE & MICHAEL G. SCHLIEPER	7-2-6	0.54
DD	DAVID L. FRYE & MICHAEL G. SCHLIEPER	7-2-5.1	2.335
EE	ANTHONY SKRYPEK	7-2-5	20.915
FF	JEAN JAMISON	7-7-9.1	97.896

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

NAD'83 S.P.C.(FT)	N. 486,501.62	E. 1,652,133.81
NAD'83 GEO.	LAT-(N) 39.830246	LONG-(W) 80.626527
NAD'83 UTM (M)	N. 4,408,089.19	E. 531,958.42

LANDING POINT

NAD'83 S.P.C.(FT)	N. 486,861.8	E. 1,653,372.2
NAD'83 GEO.	LAT-(N) 39.831277	LONG-(W) 80.622133
NAD'83 UTM (M)	N. 4,408,089.2	E. 532,333.9

BOTTOM HOLE

NAD'83 S.P.C.(FT)	N. 477,525.1	E. 1,658,604.3
NAD'83 GEO.	LAT-(N) 39.805825	LONG-(W) 80.603096
NAD'83 UTM (M)	N. 4,406,281.4	E. 533,975.4

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
3-18-8.1	DANIEL LILLEY, ET UX	1.039
3-18-12	CHARLES N. MATTHEWS JR, ET UX	1.831
3-18-20	JESSE PARSONS EST.	2.02
3-19-78	CNX LAND, LLC	30.927
7-2-9	BARBARA & RICKIE FRYE	73' x 200'
7-2-10.1	BRENNAN L. & CARRIE A. PAITH	8.391
7-2-11	WILLIAM E. PARTONS, ET UX	19.83
7-7-9	WILLARD JUNIOR EVANS & ROSE MARY EVANS - LIFE	2.214

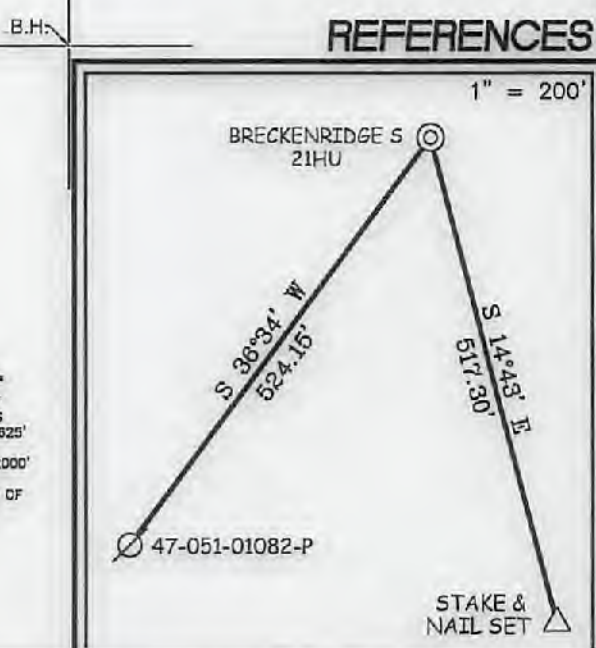


12 Vanhorn Drive | P.O. Box 180 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
284 East Deckley Bypass | Beckley, WV 25801 | 304.255.5296
slsw.com

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-21HU 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-20HU,
PROPOSED BRECKENRIDGE S-22HU,
PROPOSED BRECKENRIDGE S-23HU.



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 JULY 15, 20 21
REVISED AUGUST 25, NOVEMBER 8, 20 21
OPERATORS WELL NO. BRECKENRIDGE S-21HU
API WELL NO. 47-051-02400
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P21HUR2.dwg
BRECKENRIDGE S-21HU-REV3
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 = 1,390.70' 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: 12,109' / TMD: 23,154'

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

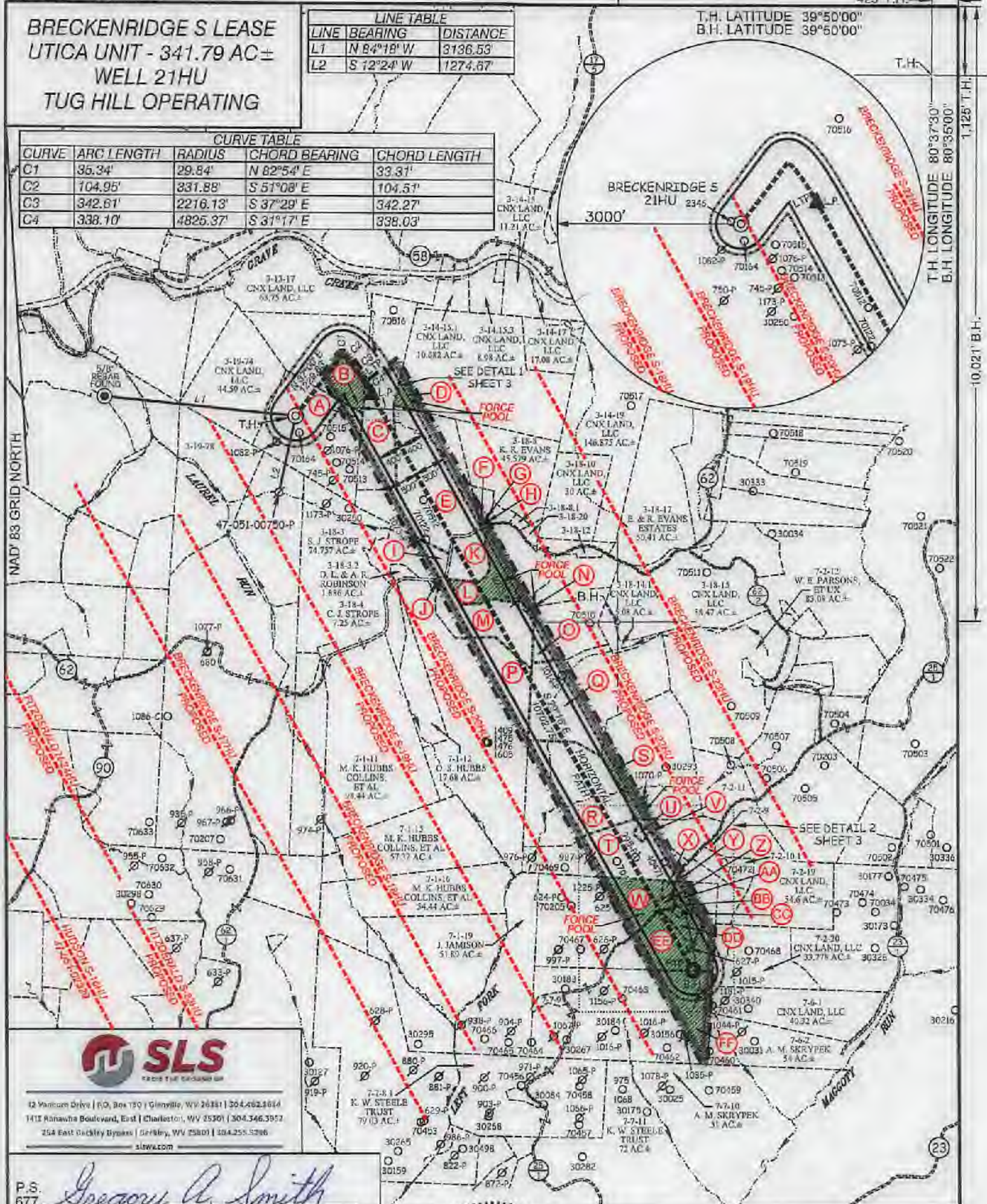
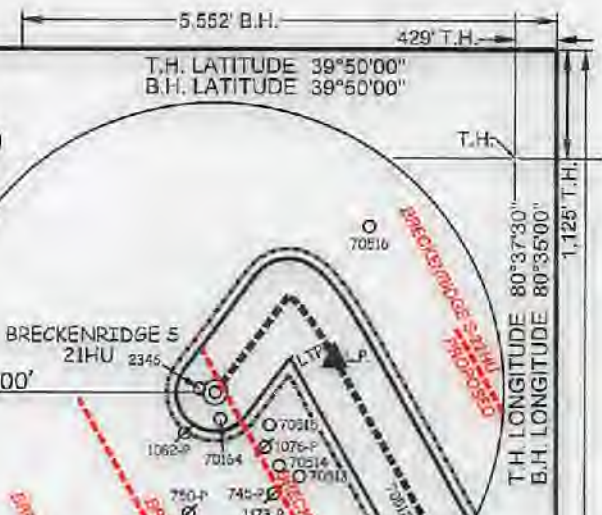
COUNTY NAME
PERMIT

11/19/2021

**BRECKENRIDGE S LEASE
UTICA UNIT - 341.79 AC±
WELL 21HU
TUG HILL OPERATING**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 84°18' W	3136.53
L2	S 12°24' W	1274.67

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	35.34'	29.84'	N 82°54' E	33.31'
C2	104.95'	331.88'	S 51°08' E	104.51'
C3	342.61'	2216.13'	S 37°29' E	342.27'
C4	338.10'	4825.37'	S 31°17' E	338.03'



12 Mainum Drive | P.O. Box 130 | Glenville, WV 26031 | 304.462.8644
1413 Rhinawa Boulevard, East | Charleston, WV 25301 | 304.346.3957
254 East Oakley Bypass | Berkeley, WV 25801 | 304.255.5286
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	● FTP
PROPOSED LAST TAKE POINT	● LTP
COUNTY ROUTE	
PROPOSED WELL	
EXISTING WELL	
PERMITTED WELL	
SURFACE OWNER (SEE TABLE)	
LEASE # (SEE ADDITIONAL SHEETS)	

SCALE 1" = 2000'	FILE NO. 9028P21HUR2.dwg
DATE JULY 15, 2021	BRECKENRIDGE S-21HU-REV3
REVISED AUGUST 25, NOVEMBER 8, 2021	
OPERATORS WELL NO. BRECKENRIDGE S-21HU	
API WELL NO. 47-051-02400	
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 FORT WORTH, TX 76107	ADDRESS 5098 WASHINGTON ST. W. STE 407 CHARLESTON, WV 25313-1561

COUNTY NAME PERMIT

11/19/2021

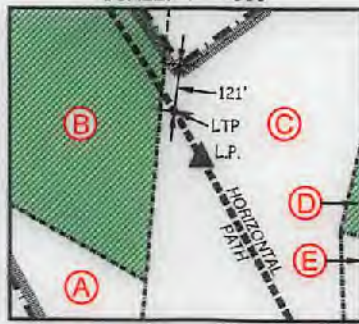
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UTICA UNIT - 341.79 AC±
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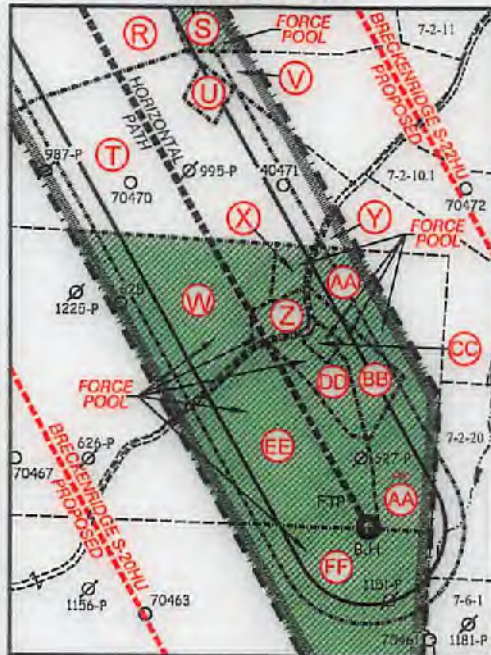
12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 26351 | 304.462.5634
1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3952
254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
slsw.com

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	10*17925	3-18-1	C	BOUNTY MINERALS LLC	928 393
4	*FORCE POOL*	3-14-18	D	KEVIN R. EVANS	1008 561
5	10*17925	3-18-2	E	BOUNTY MINERALS LLC	928 393
6	10*17925	3-18-7	F	BOUNTY MINERALS LLC	928 393
7	10*17925	3-18-8	G	BOUNTY MINERALS LLC	928 393
8	10*17925	3-18-8.2	H	BOUNTY MINERALS LLC	928 393
9	10*17925	3-18-3.3	I	BOUNTY MINERALS LLC	928 393
10	10*17925	3-18-38	J	BOUNTY MINERALS LLC	928 393
11	10*17925	3-18-6.1	K	BOUNTY MINERALS LLC	928 393
12	10*17925	3-18-5	L	BOUNTY MINERALS LLC	928 393
13	10*17925	3-18-5	M	BOUNTY MINERALS LLC	928 393
14	*FORCE POOL*	3-18-13	N	EQT PRODUCTION CO	1065 540
15	10*19995	3-18-14	O	JEFFREY L CUMPSTON AND TAMMY S CUMPSTON, ET AL	953 280
16	10*17925	7-1-13	P	BOUNTY MINERALS LLC	928 393
17	10*29980	7-2-1	Q	OLIVIA S ALLEN, ET AL	1103 537
18	10*29980	7-1-14	R	OLIVIA S ALLEN, ET AL	1103 537
19	*FORCE POOL*	7-2-2	S	NOBLE MARCELLUS LP, C/D FALCON MINERALS CORPORATION, ET AL	N/A N/A
20	10*25503	7-2-3.1	T	BEVERLY MAE DAVIS, ET AL	910 270
21	10*25503	7-2-3.2	U	BEVERLY MAE DAVIS, ET AL	910 270
22	10*25503	7-2-3	V	BEVERLY MAE DAVIS, ET AL	910 270
23	*FORCE POOL*	7-2-4	W	ROBERT EDISON ANDREWS A/K/A EDISON ANDREWS, ET AL	N/A N/A
24	*FORCE POOL*	7-2-4.1	X	ROBERT EDISON ANDREWS A/K/A EDISON ANDREWS, ET AL	N/A N/A
25	10*26711	7-2-8	Y	CNX GAS COMPANY LLC	1074 593
26	*FORCE POOL*	7-2-4.2	Z	ROBERT EDISON ANDREWS A/K/A EDISON ANDREWS, ET AL	N/A N/A
27	*FORCE POOL*	7-2-7	AA	ROBERT EDISON ANDREWS A/K/A EDISON ANDREWS, ET AL	N/A N/A
28	*FORCE POOL*	7-2-7.1	BB	ROBERT EDISON ANDREWS A/K/A EDISON ANDREWS, ET AL	N/A N/A
29	*FORCE POOL*	7-2-6	CC	UNKNOWN HEIRS AND ASSIGNS OF LINDA STRAUB, ET AL	N/A N/A
30	*FORCE POOL*	7-2-5.1	DD	ROBERT EDISON ANDREWS A/K/A EDISON ANDREWS, ET AL	N/A N/A
31	*FORCE POOL*	7-2-5	EE	ROBERT EDISON ANDREWS A/K/A EDISON ANDREWS, ET AL	N/A N/A
32	*FORCE POOL*	7-7-9.1	FF	CURTIS W. UNT, ET AL	N/A N/A

DETAIL 1
SCALE: 1" = 500'



DETAIL 2
SCALE: 1" = 1000'



FILE NO. 9026P21HUR2.dwg
BRECKENRIDGE S-21HU-REV3

DATE JULY 15, 20 21

REVISED AUGUST 25, NOVEMBER 8, 20 21

OPERATORS WELL NO. BRECKENRIDGE S-21HU

API WELL NO. 47 — 051 — 02400
STATE COUNTY PERMIT



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



P.S. 677

Gregory A. Smith

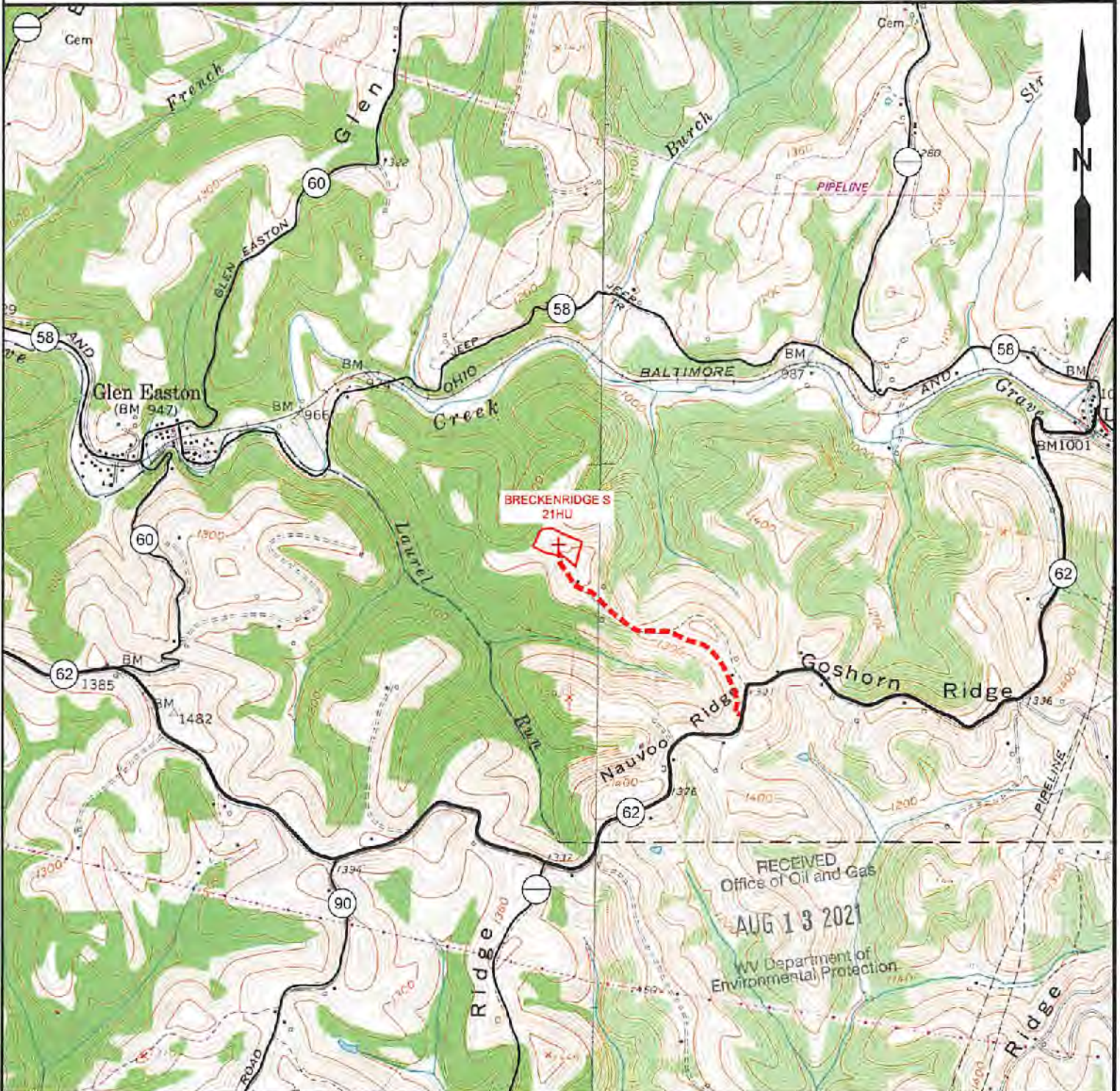
WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

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

COUNTY NAME
PERMIT

11/19/2021

PROPOSED BRECKENRIDGE S - 21HU



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.

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



12 Vanborn 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 | 304.255.5296
sbswv.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