

**BRECKENRIDGE S LEASE
UTICA UNIT - 316.54 AC±
WELL 22HU
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	3-19-75	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. EVANS	3-18-8	45.579
G	KEVIN R. & SHELLY JO EVANS	3-18-7	3.134
H	KEVIN R. & SHELLY JO EVANS	3-18-8.2	2.302
I	DANIEL LILLEY, ET UX	3-19-8.1	1.039
J	JESSE PARSONS EST	3-18-20	2.02
K	CNX LAND, LLC	3-18-10	30.00
L	MARY L. BURGE	3-18-6	36.33
M	CHARLES N. MATTEWS, JR., ET UX	3-18-12	1.831
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	CNX LAND, LLC	3-18-14.1	5.08
Q	CNX LAND, LLC	3-18-15	58.47
R	MOLLY KAY HUBBS COLLINS, ET AL	7-2-1	65.70
S	WILLIAME, & NANCY L. PARSONS	7-2-2	56.08
T	WILLIAME, PARSONS, ET UX	7-2-12	83.08
U	WILLIAME, PARSONS, ET UX	7-2-11	16.83
V	BARBARA & RICKIE FRYE	7-2-3	11.24
W	BARBARA FRYE, ET VIR	7-2-9	73 x 200'
X	RICKIE GENE FRYE	7-2-3.1	37.8578
Y	CNX LAND, LLC	7-2-8	3.82
Z	BRENNAN L. & CARRIE A. PAITH	7-2-10.1	8.591
AA	CNX LAND, LLC	7-2-7	12.825
BB	CNX LAND, LLC	7-2-10	12.559
CC	CNX LAND, LLC	7-2-19	34.6

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

NAD'83 S.P.C. (FT)	N. 486,498.73	E. 1,652,145.46
NAD'83 GEO.	LAT-(N) 39.830239	LONG-(W) 80.626495
NAD'83 UTM (M)	N. 4,408,982.38	E. 531,981.98

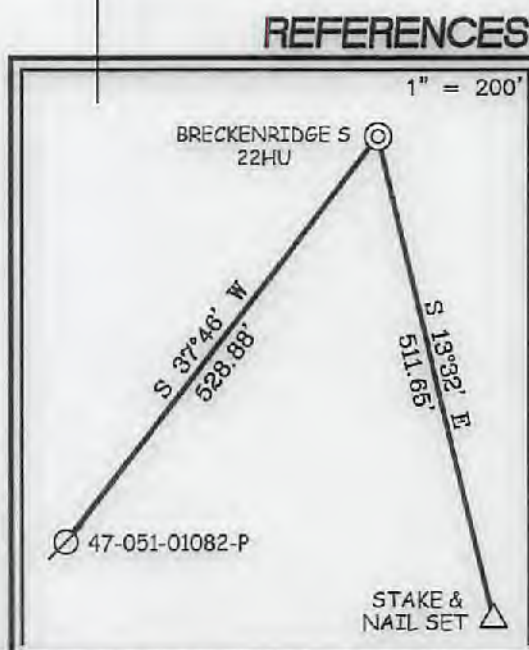
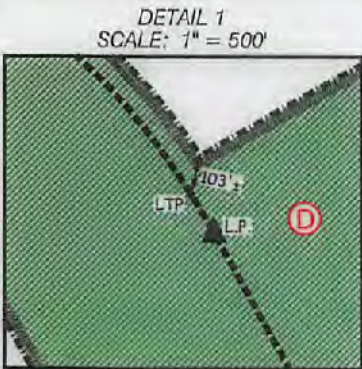
LANDING POINT

NAD'83 S.P.C. (FT)	N. 487,160.4	E. 1,654,636.7
NAD'83 GEO.	LAT-(N) 39.832140	LONG-(W) 80.617644
NAD'83 UTM (M)	N. 4,409,196.6	E. 532,717.6

BOTTOM HOLE

NAD'83 S.P.C. (FT)	N. 478,361.3	E. 1,659,571.5
NAD'83 GEO.	LAT-(N) 39.808153	LONG-(W) 80.599890
NAD'83 UTM (M)	N. 4,406,541.1	E. 534,265.8

MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
3-14-15.1	CNX LAND, LLC	10.682
3-14-15.3	CNX LAND, LLC	8.98
3-19-6.1	AEP WEST VIRGINIA TRANSMISSION COMPANY, LLC	10.175
3-19-78	CNX LAND, LLC	30.927
7-2-4	BEVERLY MAE DAVIS	58.08
7-2-4.1	BEVERLY MAE DAVIS	1.00
7-2-5	ANTHONY SKRYPEK	20.915
7-2-5.1	DAVID L. FRYE & MICHAEL G. SCHLIEPER	2.333
7-2-7.1	DAVID L. FRYE & MICHAEL G. SCHLIEPER	2.665
7-2-12.1	THOMAS M. FAMILY TRUST	1.836
7-2-12.2	RICHARD L. & PEGGY S. PARSONS	1.084
7-2-17	WILLIAM PARSONS, ET UX	29.312
7-2-23	MARSHALL COUNTY COAL COMPANY	10.48



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



12 Vanhorn Drive | P.O. Box 150 | Glenville, WV 24351 | 304.462.5534
 1412 Kanawha Boulevard, East | Charleston, WV 25301 | 304.346.3852
 254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5296
 slsw.com



(+) 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-22HU
 API WELL NO. 47-051-02401
 STATE STATE COUNTY COUNTY PERMIT PERMIT

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

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 9026P22HUR2.dwg
BRECKENRIDGE S-22HU-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 = 1,391.70' 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) SEE WW-6A1 LEASE NO. SEE WW-6A1

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 12,123' / TMD: 22,805'

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

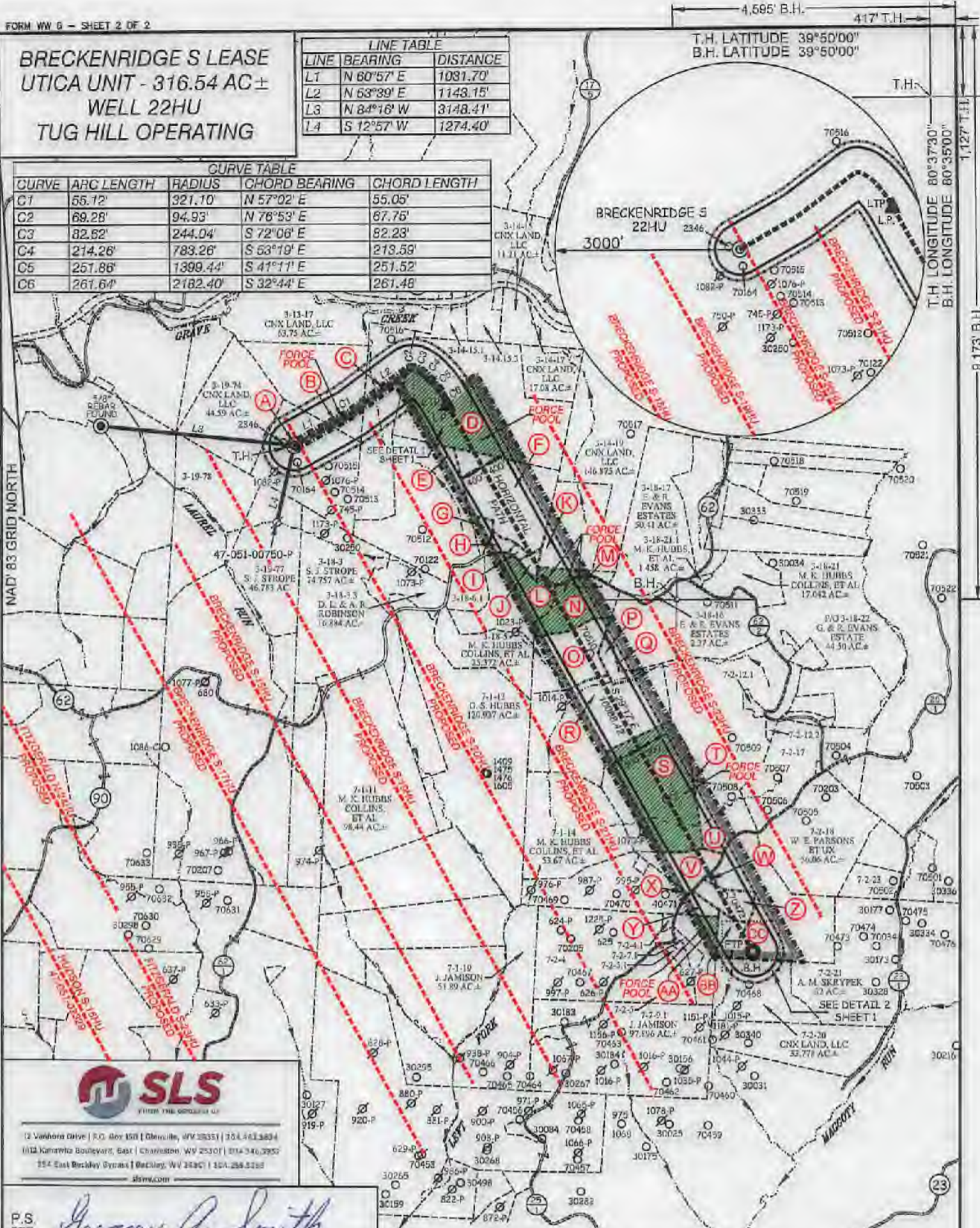
COUNTY NAME
 PERMIT

11/19/2021

**BRECKENRIDGE S LEASE
UTICA UNIT - 316.54 AC ±
WELL 22HU
TUG HILL OPERATING**

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N 60°57' E	1031.70'
L2	N 63°39' E	1143.15'
L3	N 84°16' W	3148.41'
L4	S 12°57' W	1274.40'

CURVE TABLE				
CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	55.12'	321.10'	N 57°02' E	55.05'
C2	69.28'	94.93'	N 76°59' E	67.76'
C3	82.52'	244.04'	S 72°08' E	82.23'
C4	214.26'	783.26'	S 53°10' E	213.59'
C5	251.86'	1399.44'	S 41°11' E	251.52'
C6	261.64'	2182.40'	S 32°44' E	261.48'



12 Vainona Drive | P.O. Box 158 | Glenville, WV 26035 | 204.463.8894
 1112 Kanawha Boulevard, East | Charleston, WV 25301 | 204.346.2957
 254 East Beckley Express | Beckley, WV 26201 | 204.256.5265
 slsinc.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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 NAD'83 GEO. LAT. (N) 36.830289 LONG. (W) 80.528485
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LANDING POINT
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 NAD'83 GEO. LAT. (N) 39.832140 LONG. (W) 80.617644
 NAD'83 UTM (M) N. 4,409,196.8 E. 532,717.6

BOTTOM HOLE
 NAD'83 S.P.C. (FT) N. 478,361.3 E. 1,659,571.5
 NAD'83 GEO. LAT. (N) 39.808153 LONG. (W) 80.589690
 NAD'83 UTM (M) N. 4,406,541.1 E. 534,265.6

SCALE 1" = 2000' FILE NO. 9028P22HUR2.dwg
 BRECKENRIDGE S-22HU-REV4
 DATE JULY 15, 20 21
 REVISED AUGUST 25, NOVEMBER 8, 20 21
 OPERATORS WELL NO. BRECKENRIDGE S-22HU
 API WELL NO. 47-051-02401
 STATE COUNTY PERMIT

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



11/19/2021

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

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

COUNTY NAME
 PERMIT

**BRECKENRIDGE S LEASE
UTICA UNIT - 316.54 AC±
WELL 22HU
TUG HILL OPERATING**



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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	10*17925	3-18-1	C	BOUNTY MINERALS LLC	928 393
✓ 4	**FORCE POOL**	3-18-18	D	KEVIN R. EVANS	1008 561
✓ 5	10*17925	3-18-2	E	BOUNTY MINERALS LLC	928 393
✓ 6	10*17925	3-18-8	F	BOUNTY MINERALS LLC	928 393
✓ 7	10*17925	3-18-7	G	BOUNTY MINERALS LLC	928 393
✓ 8	10*17925	3-18-8.2	H	BOUNTY MINERALS LLC	928 393
✓ 9	10*17925	3-18-8.1	I	BOUNTY MINERALS LLC	928 393
✓ 10	10*17925	3-18-20	J	BOUNTY MINERALS LLC	928 393
✓ 11	10*25584	3-18-10	K	JOYCE A & RANDALL COLE, WILLIS & BETH HOWARD, GEORGE & BARABARA HOWARD	915 99
✓ 12	**FORCE POOL**	3-18-6	L	EQT PRODUCTION CO., ET AL	1065 540
✓ 13	**FORCE POOL**	3-18-12	M	EQT PRODUCTION CO., ET AL	1065 540
✓ 14	**FORCE POOL**	3-18-13	N	EQT PRODUCTION CO., ET AL	1065 540
✓ 15	10*19995	3-18-14	O	JEFFREY L CUMPSTON AND TAMMY S CUMPSTON, ET AL	953 280
✓ 16	10*19995	3-18-14.1	P	JEFFREY L CUMPSTON AND TAMMY S CUMPSTON, ET AL	953 280
✓ 17	10*31115	3-18-15	Q	CNX GAS COMPANY LLC	1098 570
✓ 18	10*29980	7-2-1	R	OLIVIA S ALLEN, ET AL	1109 537
✓ 19	**FORCE POOL**	7-2-2	S	NOBLE MARCELLUS LP, C/O FALCON MINERALS CORPORATION, ET AL	N/A N/A
✓ 20	10*23820	7-2-12	T	WILLIAM E PARSONS AND NANCY L PARSONS	1011 486
✓ 21	10*23820	7-2-11	U	WILLIAM E PARSONS AND NANCY L PARSONS	1011 486
✓ 22	10*25503	7-2-3	V	BEVERLY MAE DAVIS, ET AL	910 270
✓ 23	10*21245	7-2-9	W	RICKIE G FRYE AND BARBARA E FRYE	952 384
✓ 24	10*25503	7-2-3.1	X	BEVERLY MAE DAVIS, ET AL	910 270
✓ 25	10*26711	7-2-8	Y	CNX GAS COMPANY LLC	1074 593
✓ 26	10*26711	7-2-10.1	Z	CNX GAS COMPANY LLC	1074 593
✓ 27	**FORCE POOL**	7-2-7	AA	DONALD WAYNE ANDREWS, ET AL	N/A N/A
✓ 28	10*26711	7-2-10	BB	CNX GAS COMPANY LLC	1074 593
✓ 29	10*31114	7-2-19	CC	CNX GAS COMPANY LLC	1098 627

FILE NO. 9026P22HUR2.dwg
BRECKENRIDGE S-22HU-REV4

DATE JULY 15, 20 21

REVISED AUGUST 25, NOVEMBER 8, 20 21

OPERATORS WELL NO. BRECKENRIDGE S-22HU

API WELL NO. 47 — 051 — 02401
STATE COUNTY PERMIT



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



P.S.
677

Gregory A. Smith

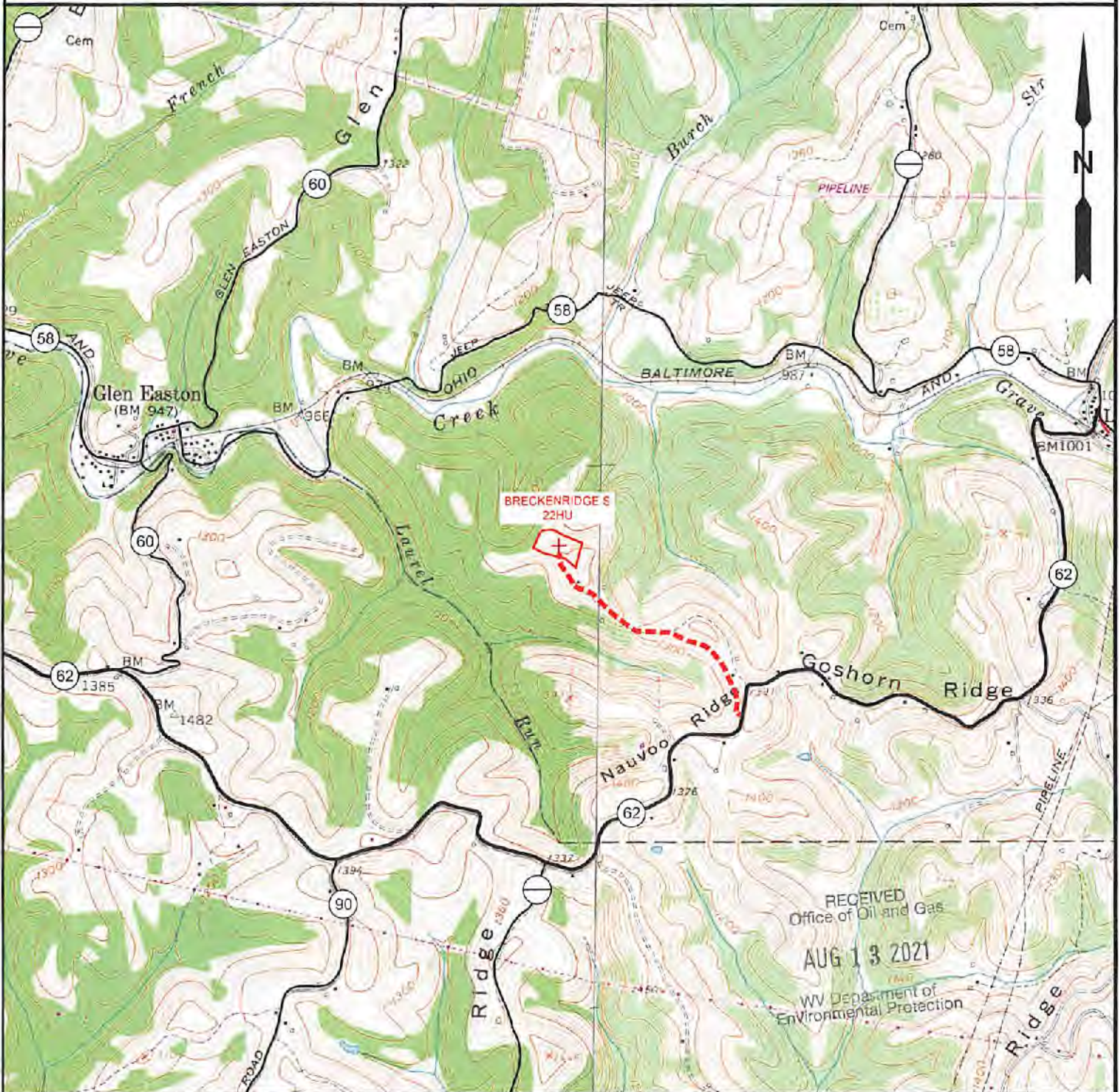
WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

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

COUNTY NAME

PERMIT

PROPOSED BRECKENRIDGE S - 22HU



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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254 East Beckley Bypass | Beckley, WV 25801 | 304.255.5396
slswv.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	TUG HILL OPERATING, LLC	
MARSHALL	CAMERON	390 SOUTHPOINTE BLVD	
		SUITE 200	
		CANONSBURG, PA 15317	
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	9026	04/08/2021	1" = 2000'



TUG HILL
OPERATING

11/19/2021