

(BH) 1,574' (TH) 3,815'

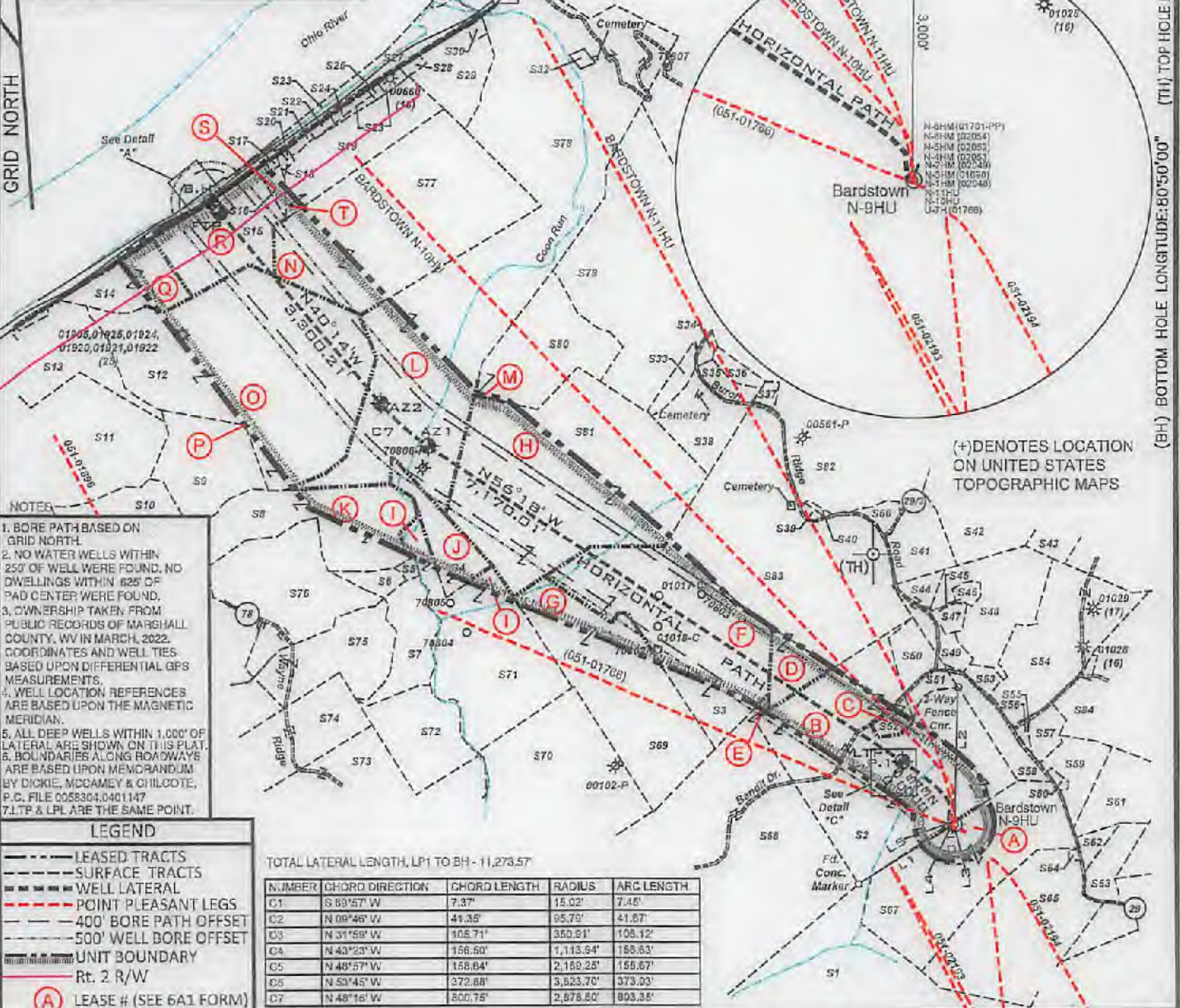
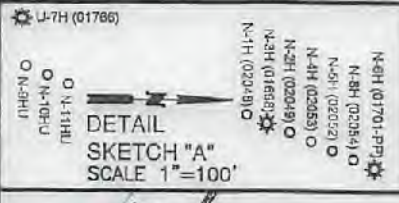
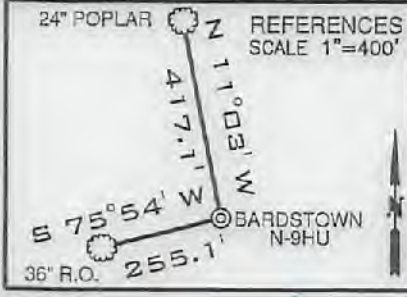
BOTTOM HOLE LATITUDE: 39°47'30"

TOP HOLE LATITUDE: 39°47'30"

BARDSTOWN LEASE WELL N-9HU 501.5708± ACRES

COORDINATES
LOCATED ON PAGE 2

LINE	BEARING	DISTANCE
L1	S 58°40' W	1421.44'
L2	N 01°37' E	1732.65'
L3	N 76°02' W	20.94'
L4	S 75°57' W	57.56'
L5	N 08°14' E	239.99'



- NOTES
1. BORE PATH BASED ON GRID NORTH.
 2. NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
 3. OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MARCH, 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
 5. ALL DEEP WELLS WITHIN 1,000' OF LATERAL ARE SHOWN ON THIS PLAT.
 6. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C., FILE 0058304, 0401147.
 7. LTP & LPL ARE THE SAME POINT.

LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- UNIT BOUNDARY
- Rt. 2 R/W
- (A) LEASE # (SEE 6A1 FORM)

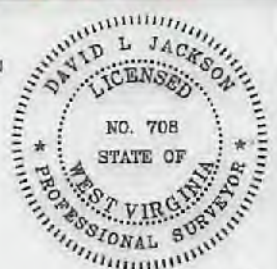
TOTAL LATERAL LENGTH, LP1 TO BH - 11,273.57'

FILE NUMBER _____
DRAWING NUMBER BARDSTOWN_N-9HU REV 3
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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 RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

David L Jackson

P.S. 708



JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5951

WVDEP
OFFICE OF OIL & GAS
801 57TH STREET, SE
CHARLESTON, WV 25304

DATE: APRIL 08, 2022
OPERATORS WELL NO. BARDSTOWN N-9HU
API WELL NO. _____

47-051-02445
STATE COUNTY PERMIT

LOCATION ELEVATION 1326.2' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER
DISTRICT FRANKLIN COUNTY MARSHALL
QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER RUSSELL & MARY BLAKE ACREAGE 64.148
OIL & GAS ROYALTY OWNER RUSSELL & MARY BLAKE LEASE ACREAGE 64.148
PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____
PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,373' TMD: 22,911'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DARREN BROWN, CT CORP
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 FORT WORTH, TX 76107 ADDRESS 5098 WASHINGTON STREET WEST, SUITE 407 CHARLESTON, WV 25313-1561

05/13/2022

COUNTY NAME PERMIT

**BARDSTOWN LEASE
WELL N-9HU
501.5708 ± ACRES**

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,401,565.37
E) 516,696.31

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,401,805.32
E) 516,494.72

AZIMUTH 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,402,986.78
E) 514,657.06

AZIMUTH 2
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,146.11
E) 514,472.28

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,902.76
E) 513,809.99

Detail "A"
NTS



Detail "B"
NTS



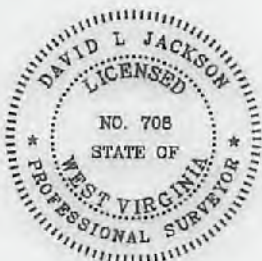
Detail "C"
NTS



Tags	Number	Tax Map Parcel	Surface Owner	Acres
	S1	05-22-04	CNX RCPC, LLC	136.32
A	S2	05-19-20	WILBERT H BUNGARD ET UX	114.989
F	S3	05-19-04	JUSTIN R RINE	82.75
J	S4	05-14-02	JOHN B WILLIAMS, ET AL	20.17
	S5	05-13-41C	HEIRS OF BENTON DARRAH, LILLIE MAE DUGAN ALMA BITZER, ALBERTA PALMER & AUDREY HOWARD	1.0
	S6	05-13-41B	LARRY & JUDY DARRAH	2.50
	S7	05-13-41A	RODNEY & RHONDA JACKSON	17.05
K	S8	05-13-42	THOMAS & VICTORIA BOWMAN	45.0
P	S9	05-13-34	DAVID J. MAST	40.0
	S10	05-13-35	DAVID J. MAST	24.90
	S11	05-13-23	DAVID J. MAST	69.50
Q	S12	05-13-33	NATHAN D. YODER	140.90
	S13	05-13-25	AARON PAUL HOLDREN, ET UX	30.0
Q	S14	05-13-27	AARON PAUL HOLDREN, ET UX	25.0
R	S15	05-13-28	AARON PAUL HOLDREN, ET UX	17.0
S	S16	05-13-30	CINDY DALIFF	3.0
	S17	05-13-28.1	CINDY DALIFF	1.80
	S18	05-13-29	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	1.0
T	S19	05-13-31	CNX LAND RESOURCES, INC.	31.723
	S20	05-13-31.1	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	0.277
	S21	05-13-31.2	CNX LAND RESOURCES, INC.	0.938
	S22	05-12-27	CNX RCPC, LLC	0.67
	S23	05-12-26	CSX	4.00
	S24	05-12-28	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	1.1
	S26	05-12-24.2	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	0.539
	S27	05-12-25	CSX	12.8
	S28	05-12-24	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	0.964
	S29	05-12-24.3	CNX RCPC, LLC	18.523
	S30	05-12-24.1	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	0.994
	S31	05-12-23.2	MARSHALL COUNTY COAL RESOURCES, INC.	12.50
	S32	05-13-22	CNX RCPC, LLC	0.944
	S33	05-14-07	DONNA K. & LEROY ANDERSON	4.60
	S34	05-14-15	GEORGE A KNUTH	1,638.6
	S35	05-14-9.3	VERNEE A RINE, ET UX	4.118
	S36	05-14-9.4	VERNEE A RINE, ET UX	3,404
	S37	05-14-10.3	VERNEE A & JODY K RINE	1.54
	S38	05-14-08	LAWRENCE EUGENE ANDERSON	18.29
	S39	05-14-10.1	IDA BELLE RUTAN (LIFE), RALPH R HOYT	0.50
	S40	05-14-10.2	IDA BELLE RUTAN (LIFE), RALPH R HOYT	0.495
	S41	05-14-11	DALE R GALLAHER, ET AL	12
	S42	05-14-12	DALE R GALLAHER & HARRY E GALLAHER	135.100
	S43	05-14-14	ROBERT L SHIELDS, ET AL	29.05
	S44	05-19-06	MARTHA M RUTAN	5,109.9
	S45	05-19-7.3	OLAN V RUTAN, ET UX	0.341
	S46	05-19-7.4	OLAN V RUTAN, ET UX	1,787
	S47	05-19-7.2	OLAN RUTAN	2,783
	S48	05-19-07	OLAN V RUTAN, ET UX	32,480.1
	S49	05-19-7.1	ROBERT L SHIELDS, ET UX	3,399
	S50	05-19-20.2	CASANDRA L. HARMON	7,448
	S51	05-19-20.1	JOHN J EBERT, LIFE	3,848
C	S52	05-19-20.3	SIDNEY HARMON	3,715
	S53	05-19-7.5	ADAM T & JESSIE L ROBINSON	2,640
	S54	05-19-08	CNX RCPC, LLC	40
	S55	05-19-11	ERNE L ANDERSON, ET UX	0.08
	S56	05-19-10	ERNE L ANDERSON, ET UX	0,812.5
	S57	05-19-12	ERNE L ANDERSON, ET UX	5.33
	S58	05-19-09	PENNY ELAINE ASHCRAFT	10.44
	S59	05-19-29	ERNIE L & TAMMY L ANDERSON	10,961
	S60	05-19-15	CARLY HERRAN	0.72
	S61	05-19-30	ERNE & TAMMY ANDERSON	19,037
	S62	05-19-30.1	ERIC R W & ASHLEY A HUGGINS	2,911
	S63	05-19-31	CHARLES F & DIANA L HAYNES	8,779
	S64	05-19-32	JASPER N BUACH ET AL - TRUSTEES	0,597
	S65	05-19-28	DAVID E YOHO & MARK E YOHO	56,899
	S66	05-14-10.4	ADAM R & JESSIE L ROBINSON	3,343
A	S67	05-19-19	RUSSELL & MARY BLAKE	64,148
E	S68	05-19-21	SAMMY E WHITLATCH, ET AL	116,45
G	S69	05-19-03	MILTON R & LINDA L NEAL	72.01
	S70	05-19-22	GEORGE A & KELLY A KNUTH	71.0
I	S71	05-19-02	MILTON R & LINDA L NEAL	63.1
	S72	05-19-01	ROBERT RINE	30.80
	S73	05-20-26	ROBERT RINE	60.52
	S74	05-20-25	ROBERT RINE	43.82
	S75	05-13-40	ROBERT RINE	29.76
	S76	05-13-39	THOMAS BOWMAN & VICTORIA BOWMAN	46
N	S77	05-13-32	C PATRICIA WOBIG ET AL	103.66
L	S78	05-12-23	CNX RCPC, LLC	236.10
	S79	05-14-05	DONNA K. & LEROY ANDERSON	110.5
M	S80	05-14-04	LEROY & DONNA K ANDERSON	29.29
H	S81	05-14-03	LEROY & DONNA K ANDERSON	130
	S82	05-14-10	WANDA P RINE - LIFE	107,372
D	S83	05-19-05	MARGIRENE KEEFE	126.03
	S84	05-19-13	RONA LEE RICE & CHARLES F MCCARDLE	94,925

NOTES:

- 05-13-41A MAPPED AS PART OF 05-13-41
- 05-13-41B MAPPED AS PART OF 05-13-41. INCORRECTLY ASSESSED AS 05-25-22 4.15 ACRES
- 05-13-41C MAPPED AS PART OF 05-13-41. NOT ASSESSED.



David L Jackson

P.S. 708

05/13/2022
47-051-02745 D
Deep

OPERATOR'S
WELL #: Bardstown N-9HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 2
DATE: 04/08/2022

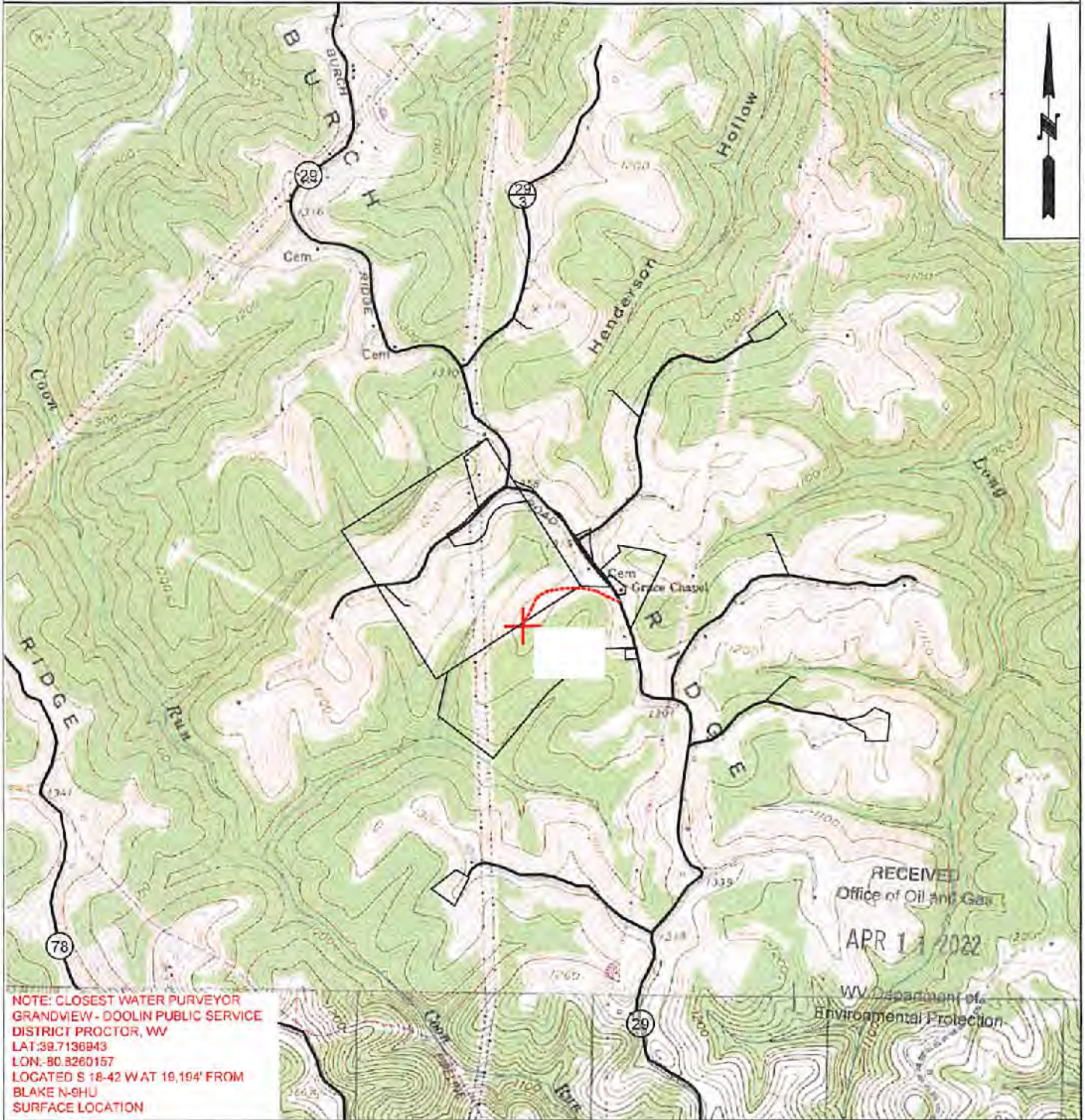


**TUG HILL
OPERATING**

WW-9


PROPOSED BARDSTOWN WELLS

SUPPLEMENT PG 2



NOTE: CLOSEST WATER PURVEYOR
 GRANDVIEW - DOOLIN PUBLIC SERVICE
 DISTRICT PROCTOR, WV
 LAT: 39.7136943
 LON: -80.8260157
 LOCATED S 18-42 W AT 19,194' FROM
 BLAKE N-9HU
 SURFACE LOCATION

RECEIVED
 Office of Oil and Gas
 APR 11 2022
 WV Department of
 Environmental Protection

 TUG HILL OPERATING	OPERATOR	494510851	TOPO SECTION	LEASE NAME
	TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317		POWHATAN POINT 7.5'	BLAKE
			SCALE:	DATE:
			1" = 2000'	DATE: 11-20-2018