

**PENDLETON LEASE
WELL N-16HU
339.5145± ACRES**

(TH) 7,200'
(BH) 1,733'
TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°47'30"

GRID NORTH

(BH) BOTTOM HOLE LONGITUDE: 80°45'00"
(TH) TOP HOLE LONGITUDE: 80°42'30"

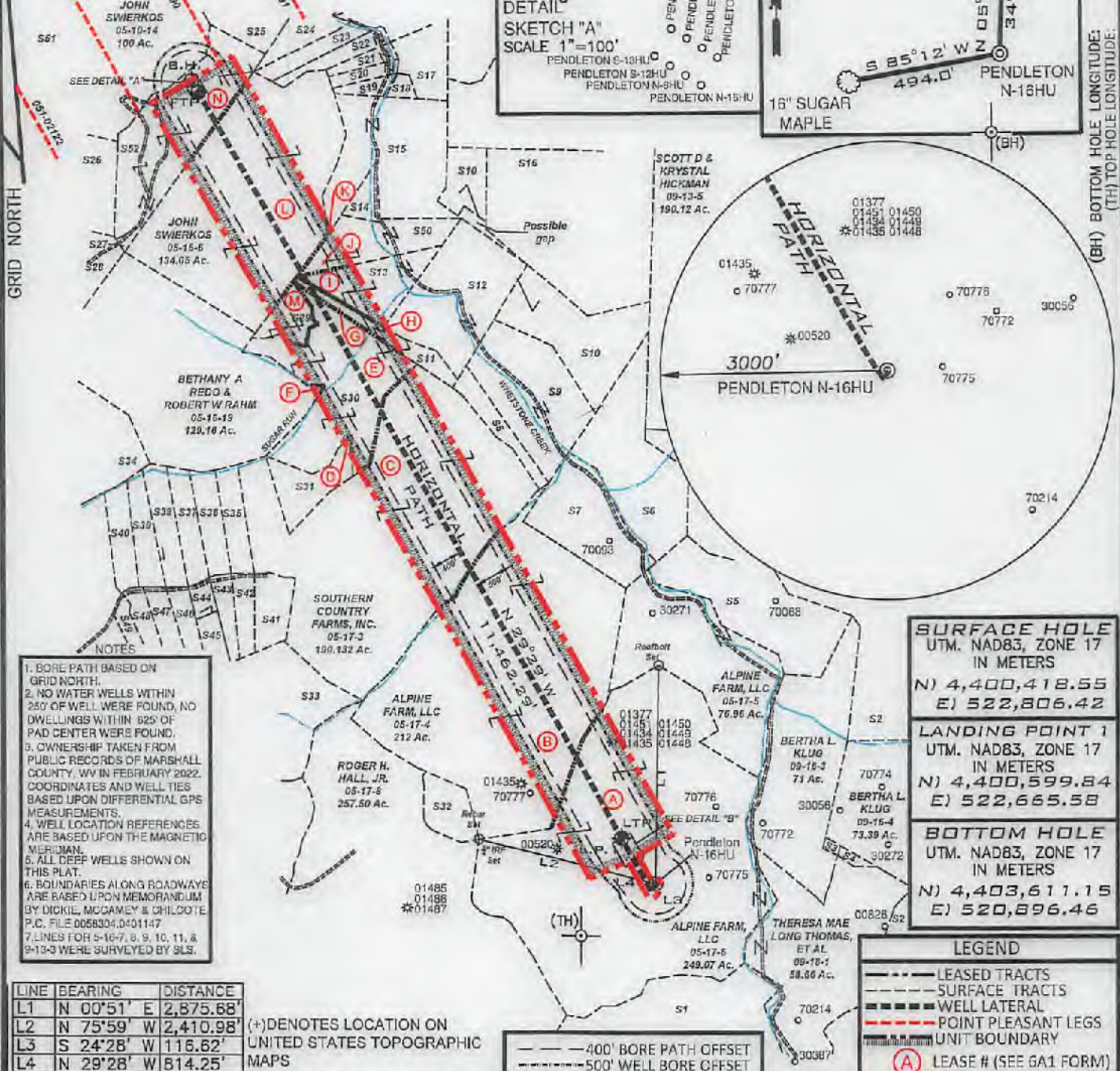
(TH) 13,965'

REFERENCES SCALE 1"=400'

16" SUGAR MAPLE
PENDING N-16HU
347.0'

16" SUGAR MAPLE
494.0'

DETAIL SKETCH "A" SCALE 1"=100'
PENDING S-13HU
PENDING S-12HU
PENDING N-8HU
PENDING N-15HU



- 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 FEBRUARY 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
 5. ALL DEEP WELLS SHOWN ON THIS PLAT.
 6. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCGAMEY & CHILLOPTE P.C. FILE 0058304.0401147
 7. LINES FOR S-16-7, S-9, 10, 11, & S-13-3 WERE SURVEYED BY SLS.

LINE	BEARING	DISTANCE
L1	N 00°51' E	2,875.88'
L2	N 75°59' W	2,410.98'
L3	S 24°28' W	116.62'
L4	N 29°28' W	814.25'

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

--- 400' BORE PATH OFFSET
--- 500' WELL BORE OFFSET

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,418.55
E) 522,806.42

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,599.84
E) 522,665.58

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,403,611.15
E) 520,896.46

LEGEND

- LEASE TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- (A) LEASE # (SEE GA1 FORM)

FILE NUMBER _____
DRAWING NUMBER: **PENDLETON N-16HU REV 2**
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

JACKSON SURVEYING INC.
P.O. Box 1480
Clarksburg, WV 26302
304-623-5851



WVDEP
OFFICE OF OIL & GAS
601 57TH STREET, SE
CHARLESTON, WV 25304

DATE: MARCH 23, 2022
OPERATORS WELL NO. PENDLETON N-16HU
API WELL NO. 47-051-02441
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
LOCATION ELEVATION 1271.82' WATERSHED (HUC 10) FISH CREEK
DISTRICT FRANKLIN COUNTY MARSHALL
QUADRANGLE GLEN EASTON 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER ALPINE FARM, LLC ACREAGE 249.07
OIL & GAS ROYALTY OWNER ELI A. & FANNIE MAE WENGERD, ET AL LEASE ACREAGE 249.07
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: 11,777' TMD: 23,470'
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

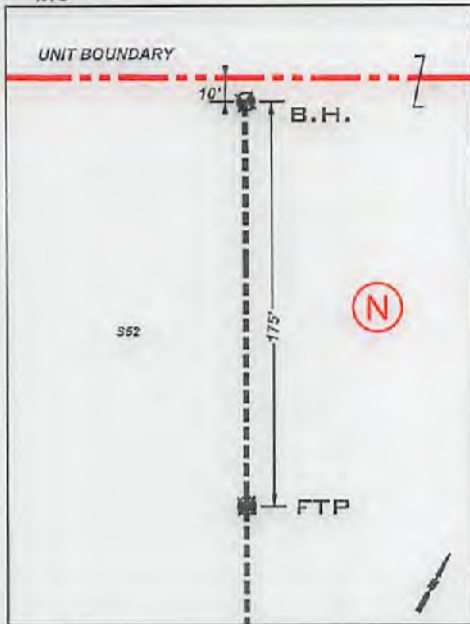
04/22/2022

COPY NAME PERMIT

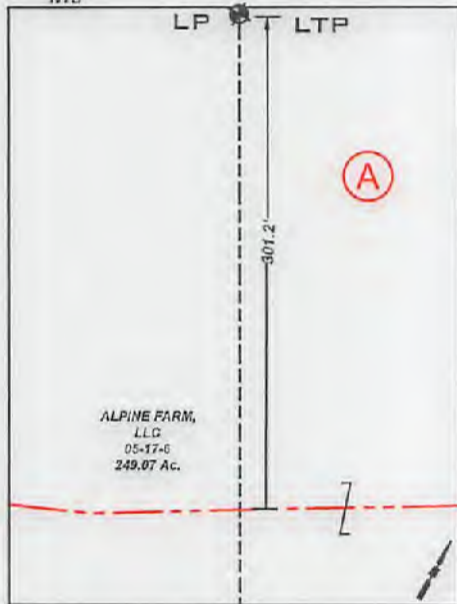
FORM: WVG

**PENDLETON LEASE
WELL N-16HU
339.5145± ACRES**

DETAIL "A"
NTS



DETAIL "B"
NTS



Tags	Number	Tax Map -Parcel	Surface Owner	Acres
	S1	05-24-01	LINDA L HENDRICKSON	175.0
	S2	09-16-05	ROBERT M & NANCY R MCCARDLE	133.0
	S3	09-18-03	BERTHA L KLUG	1.33
	S4	09-18-04	BERTHA L KLUG	1.0
	S5	09-16-02	ROBERT & NANCY MCCARDLE	53.40
	S6	09-16-01	ROBERT M & NANCY R MCCARDLE	46.80
	S7	05-16-13	DAVID ALAN RUBCICH ET AL	33.31
	S8	05-16-12	LOUIS VAN SCYOC	10.80
	S9	09-13-01	LOUIS VAN SCYOC	46.81
	S10	09-13-02	SYLVIA VAN SCYOC & WONETTA V & NORMAN G JOHNSON (LIFE)	41.5
G	S11	05-16-11	GERTRUDE HOLTZ	9.93
H	S12	09-13-03	LOUIS VAN SCYOC	52.40
I	S13	05-16-09	LOUIS AULENBACHER	20.0
	S14	05-16-10	FRANK P LAUTAR, EST.	5.0
K	S15	05-16-07	LOUIS AULENBACHER	50.0
	S16	09-13-04	LOUIS AULENBACHER	100.191
	S17	05-10-13	JOSEPH LEE CROW	12.18
	S18	05-10-13.1	DAVID LEE QUIGLEY, JR	2.88
	S19	05-10-19	LOUIS AULENBACHER	3.209
	S20	05-10-20	LOUIS AULENBACHER	3.554
	S21	05-10-21	LOUIS AULENBACHER	3.677
	S22	05-10-22	LOUIS AULENBACHER	4.276
	S23	05-10-12.1	JOHN PAUL SMITH, JR ET AL	8.86
	S24	05-10-10	LOUIS DELBERT VAN SCYOC	24.50
	S25	05-10-09	HERBERT M AULENBACHER, JR	141.43
	S26	05-16-03	DONNA VIVIAN YOHO	71.205
	S27	05-16-04	JOHN SWIERKOS	0.96
	S28	05-16-25	JOHN SWIERKOS	79.04
M	S29	05-16-18	JOHN SWIERKOS	10.0
E	S30	05-16-17	RICHARD D & JULIA M REPASKY; BRIAN L TESLOVICH & CARA C DAVIS	55.34
D	S31	05-16-16	SOUTHERN COUNTRY FARMS, INC	9.75
	S32	05-17-07	ALPINE FARM LLC	10.8
	S33	05-17-02	COLBY HOMER & BELLE M YOHO	104.08
	S34	05-16-21	JAMES M RUCKMAN ET UX	60.75
	S35	05-17-16	GLEN A GUNTO	9.702
	S36	05-16-15.1	GLEN A GUNTO	10.17
	S37	05-17-15	GLEN A GUNTO	10.220
	S38	05-18-13	SOUTHERN COUNTRY FARMS, INC	11.054
G	S39	05-18-13.9	ROY & RENEE BUTLER (LIFE)	9.603
	S40	05-18-13.4	RENEE D STREIGHT BUTLER (LIFE)	9.938
	S41	05-17-3.1	WILBUR L RIDDLE, ET UX	10.148
	S42	05-17-1.6	LOLA M SLAUGHTER	6.347
	S43	05-17-1.5	DONNIE R & LOLA M SLAUGHTER	5.607
	S44	05-17-1.2	DONNIE R & LOLA M SLAUGHTER	5.073
	S45	05-17-1.3	JODY & MICHELLE ANDERSON	5.00
	S46	05-17-1.1	DONNIE R & LOLA M SLAUGHTER	8.076
	S47	05-17-1.4	DONNIE R & LOLA M SLAUGHTER	8.844
	S48	05-17-14	SOUTHERN COUNTRY FARMS, INC	7.314
	S49	05-17-13	ROY E & RENEE D BUTLER	5.433
J	S50	05-16-8	LOUIS AULENBACHER	21.0
	S51	05-10-15	TERRY A & JODI L HARDING	120.805
N	S52	05-16-5	JOHN SWIERKOS	52.07



P.S. 708 *David L Jackson*

04/22/2022



TUG HILL
OPERATING

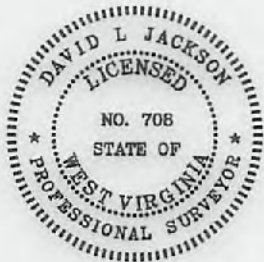
OPERATOR'S
WELL #: PENDLETON N-16HU
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV
API: 47-051-02441

WELL PLAT
PAGE 2 OF 3
DATE: 03/23/2022

form wv6

**PENDLETON LEASE
WELL N-16HU
339.5145± ACRES**

Lease ID	Parcel	Tag	Grantor, Lessor, Etc.	Deed Book/Page		
10*14114	5-17-6	A	ELI & FANNIE MAE WENGERD	671	323	
10*14125	5-17-4	B	SHIBEN ESTATES INC ATTN J MARLIN WITT	695	460	
10*14099	5-17-3	C	SOUTHERN COUNTRY FARMS INC	666	489	
10*21952	5-16-16	D	VICTORIA A PAKROVSKY AND STEPHEN W PAKROVSKY, ET AL	959	478	MVD
10*18126	5-16-17	E	BARBARA ANN ADKINS JOHNSON, ET AL	929	556	
10*18280	5-16-19	F	DEBRA L RICHEY AND JAMES F RICHEY SR, ET AL	929	108	NWB
10*22310	5-16-11	G	ROMAN CATHOLIC DIOCESE OF WHEELING MARK E BRENNAN BISHOP	964	520	
10*18526	9-13-3	H	ANN TURNER YOUNG SHRIVER, ET AL	933	591	NWB
10*18339	5-16-9	I	RESOURCE MINERALS HEADWATER I LP, ET AL	940	448	
10*18339	5-16-8	J	RESOURCE MINERALS HEADWATER I LP, ET AL	940	448	
10*18339	5-16-7	K	RESOURCE MINERALS HEADWATER I LP, ET AL	940	448	NWB
10*21468	5-16-6	L	JOHN A SWIERKOS	953	317	
10*21468	5-16-18	M	JOHN A SWIERKOS	953	317	NWB
10*14919	5-16-5	N	CHESTNUT HOLDINGS INC	836	117	



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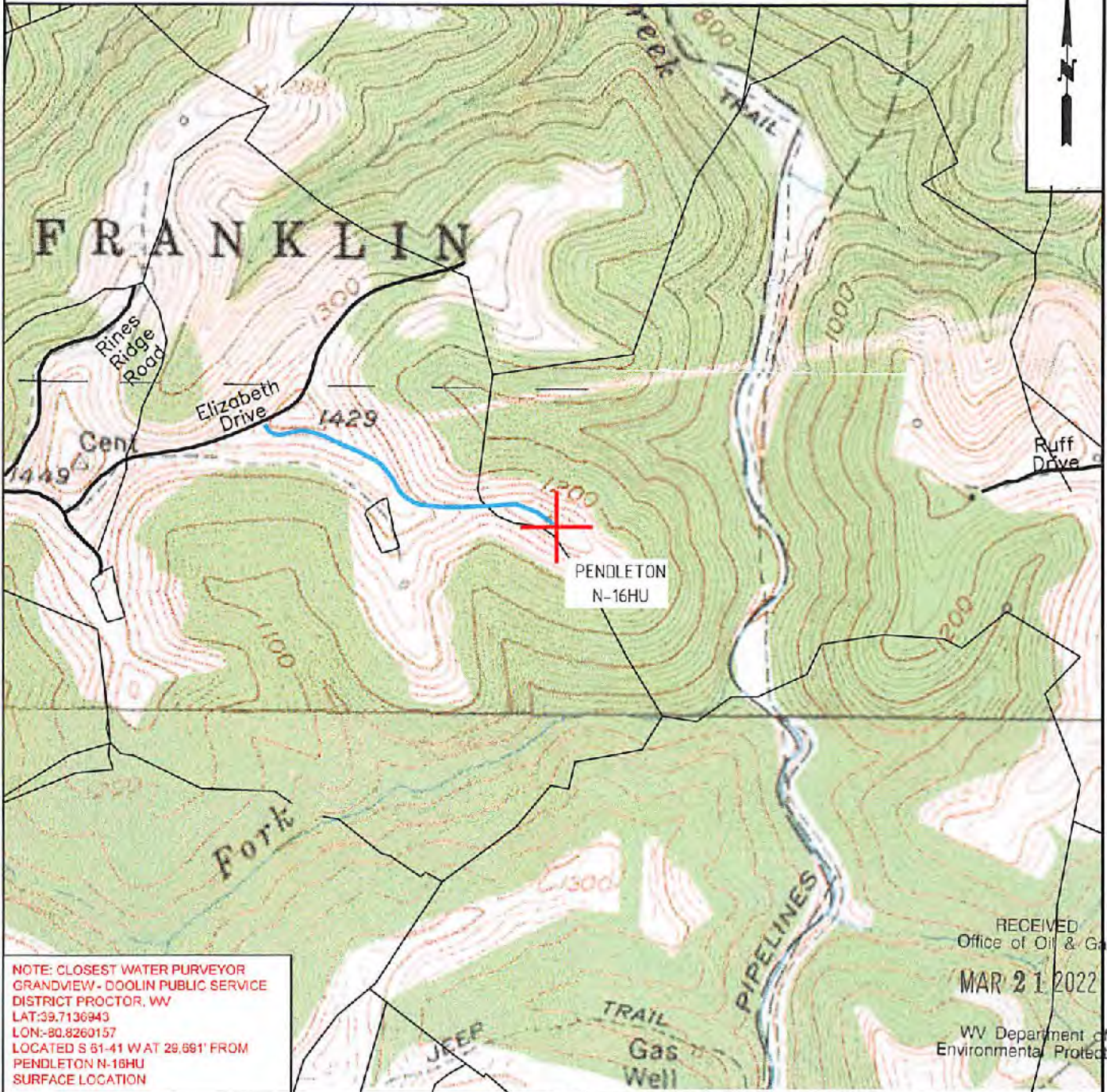
WELL PLAT
PAGE 3 OF 3
DATE: 03/23/2022

WW-9

SUPPLEMENT PG. 2


PROPOSED PENDLETON N-16HU

THERE APPEAR TO BE NO (0) RESIDENCES WITHIN 2,000'.



NOTE: CLOSEST WATER PURVEYOR
 GRANDVIEW - DOOLIN PUBLIC SERVICE
 DISTRICT PROCTOR, WV
 LAT:39.7136943
 LON:-80.8260157
 LOCATED S 51-41 W AT 29,691' FROM
 PENDLETON N-16HU
 SURFACE LOCATION

RECEIVED
 Office of Oil & Gas
 MAR 21 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		GLEN EASTON 7.5'	PENDLETON
			SCALE:	DATE:
			1" = 1000'	DATE: 03-16-2022

04/22/2022