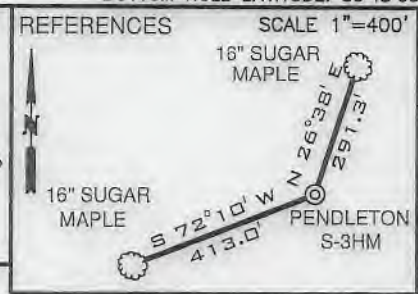
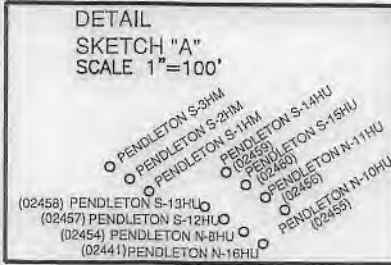


GRID NORTH

PENDLETON LEASE WELL S-3HM 1,051.733± ACRES



(TH) 7,311' (BH) 1,050'

TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°45'00"

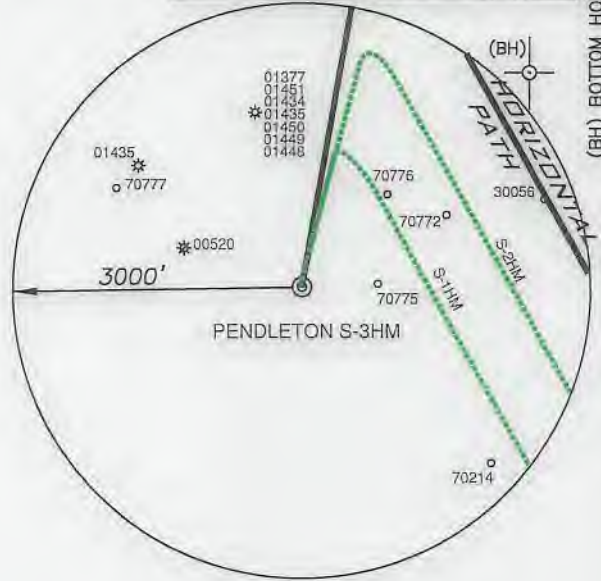
80°42'30" (BH) BOTTOM HOLE LONGITUDE: 80°42'30" (TH) TOP HOLE LONGITUDE: 80°42'30"

LINE	BEARING	DISTANCE
L1	N 03°07' E	2,809.91'
L2	N 77°01' W	2,287.23'
L3	N 09°54' E	3,393.64'

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,439.15
E) 522,771.39

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,401,413.74
E) 523,148.00

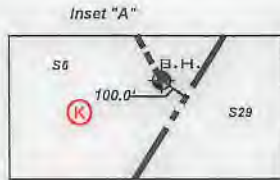
BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,753.07
E) 524,684.22



(TH) 13,897'

NOTES

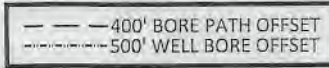
- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 625' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN MAY 2022. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058904.0401147



CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 17°49' E	108.70'	367.37'	109.10'
C2	N 40°14' E	107.63'	221.78'	108.72'
C3	N 70°38' E	103.14'	195.98'	104.37'
C4	S 82°03' E	118.69'	295.82'	119.50'
C5	S 62°51' E	144.62'	522.45'	145.09'
C6	S 47°50' E	173.82'	742.20'	174.22'
C7	S 35°06' E	227.94'	1046.42'	228.40'



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS



LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- MARCELLUS LEGS
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)

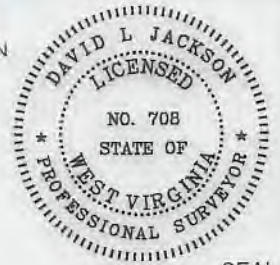
FILE NUMBER _____
DRAWING NUMBER: PENDLETON S-3HM REV 2
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY: 1/200
PROVEN SOURCE OF ELEVATION: SUBMETER MAPPING
GRADE GPS

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

P.S. 708

David L Jackson

JACKSON SURVEYING INC.
P.O. Box 1460
Clarksburg, WV 26302
304-623-5851



SEAL

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



DATE: AUGUST 23, 2022
OPERATORS WELL NO.: PENDLETON S-3HM
API WELL NO.: 47-051-02470
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

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 MARCELLUS ESTIMATED DEPTH TVD: 6,800' TMD: 18,515'

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

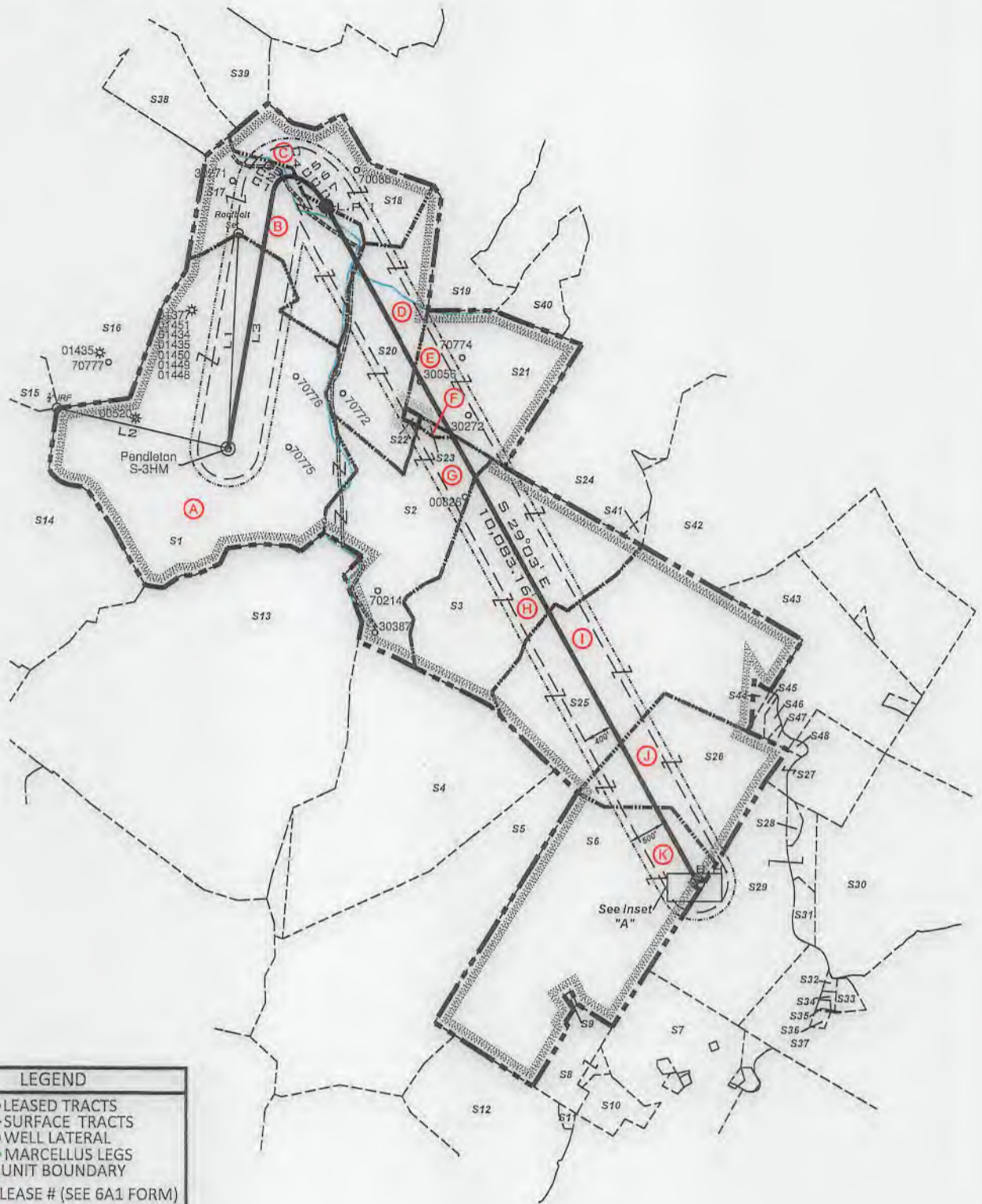
10/14/2022

COUNTY NAME PERMIT

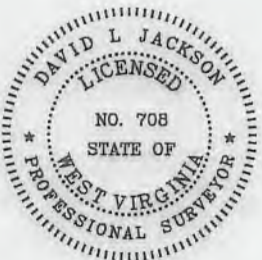
form ww6

GRID NORTH

PENDLETON LEASE WELL S-3HM 1,051.733± ACRES



LEGEND	
	LEASED TRACTS
	SURFACE TRACTS
	WELL LATERAL
	MARCELLUS LEGS
	UNIT BOUNDARY
	LEASE # (SEE 6A1 FORM)
	400' BORE PATH OFFSET
	500' WELL BORE OFFSET



P.S.
708

David L Jackson

10/14/2022



TUG HILL

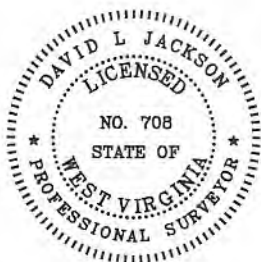
OPERATING

OPERATOR'S
 WELL #: PENDLETON S-3HM
 DISTRICT: Franklin
 COUNTY: Marshall
 STATE: WV

WELL PLAT
 PAGE 2 OF 3
 DATE: 08/23/2022

**PENDLETON LEASE
WELL S-3HM
1,051.733± ACRES**

Parcels within Unit Boundary				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	05-17-06	ALPINE FARM LLC	249.07
B	S17	05-17-05	ALPINE FARM LLC	76.96
C	S18	09-16-02	ROBERT M & NANCY R MCCARDLE	53.4
D	S20	09-16-03	BERTHA L KLUG	71
E	S21	09-16-04	BERTHA L KLUG	73.39
F	S23	09-18-03	BERTHA L KLUG	1.33
G	S2	09-18-01	THERESA MAE LONG THOMAS ET AL	58.66
H	S3	09-18-02	BRIAN T KLUG	85.0
I	S25	09-18-18	JAMES D FROHNAPFEL ET UX	154.03
J	S26	09-20-06	KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST	64.75
K	S6	09-20-05	GERALD A FROHNAPFEL ET UX - TRUST	164.143
Adjoining Parcels Ownership Table				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
	S4	09-20-02	MICHAEL JAMES PEKULA ET UX	138.0
	S5	09-20-04	SHELLIE J PEKULA	171
	S7	09-20-22	JOAN L KLUG ET AL	70.2398
	S8	09-22-04	WHEELING CATHOLIC DIOCESE	20
	S9	09-20-5.2	WHEELING CATHOLIC DIOCESE	0.447
	S10	09-22-5.1	HILARY G MILLER EST	10.62
	S11	09-22-3.1	MARGARET ANN MYSLIWIEC -LIFE	1.1
	S12	09-22-3.2	MARK H MILLER	75
	S13	05-24-02	ROY FRIEND YOHO	316.8
	S14	05-17-08	ROGER H HALL JR	257.5
	S15	05-17-07	ALPINE FARM LLC	10.8
	S16	05-17-04	ALPINE FARM LLC	212
	S19	09-16-05	ROBERT M & NANCY R MCCARDLE	133
	S22	09-18-04	BERTHA L KLUG	1
	S24	09-18-05	BERTHA L KLUG	122.437
	S27	09-18-15	KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST	29.5
	S28	09-20-7.2	MICKEY R DULANEY JR	2.24
	S29	09-20-07	SONNY M & LINDA L TAGG	72.828
	S30	09-20-11	PATRICK A FROHNAPFEL, ET UX	139.88
	S31	09-20-7.1	DAVID PAUL FROHNAPFEL	4.93
	S32	09-20-9.5	JAMES MILLER ET UX	0.666
	S33	09-20-9.6	JAMES MILLER ET UX	2.919
	S34	09-20-9.3	JAMES MILLER ET UX	0.804
	S35	09-20-10	JAMES MILLER ET UX	0.5
	S36	09-20-9.4	HELEN B SHUTLER - LIFE	0.78
	S37	09-20-9	JOHN G WEIGAND JR & MARILYN S WEIGAND	48.131
	S38	05-16-13	DAVID ALAN RUBCICH ET AL	33.31
	S39	09-16-01	ROBERT M & NANCY R MCCARDLE	46.80
	S40	09-16-07	BERTHA L KLUG	26.105
	S41	09-18-5.1	LOUIS FOX	1.583
	S42	09-18-6	LOUIS FOX	141.75
	S43	09-18-16	ROBERT F VILLERS	62.893
	S44	09-18-18.1	JOHN F WAYMAN EST	1.1
	S45	09-18-16.2	JOHN F WAYMAN EST	2.17
	S46	09-18-16.3	BERNARD A KLUG ET UX	1.818
	S47	09-18-16.1	NICHOLAS C FROHNAPFEL ET UX	1.50
	S48	09-18-15.1	NICHOLAS FROHNAPFEL ET UX	0.68



P.S. 708 *David L Jackson*

10/14/2022



TUG HILL
OPERATING

OPERATOR'S
WELL #: PENDLETON S-3HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

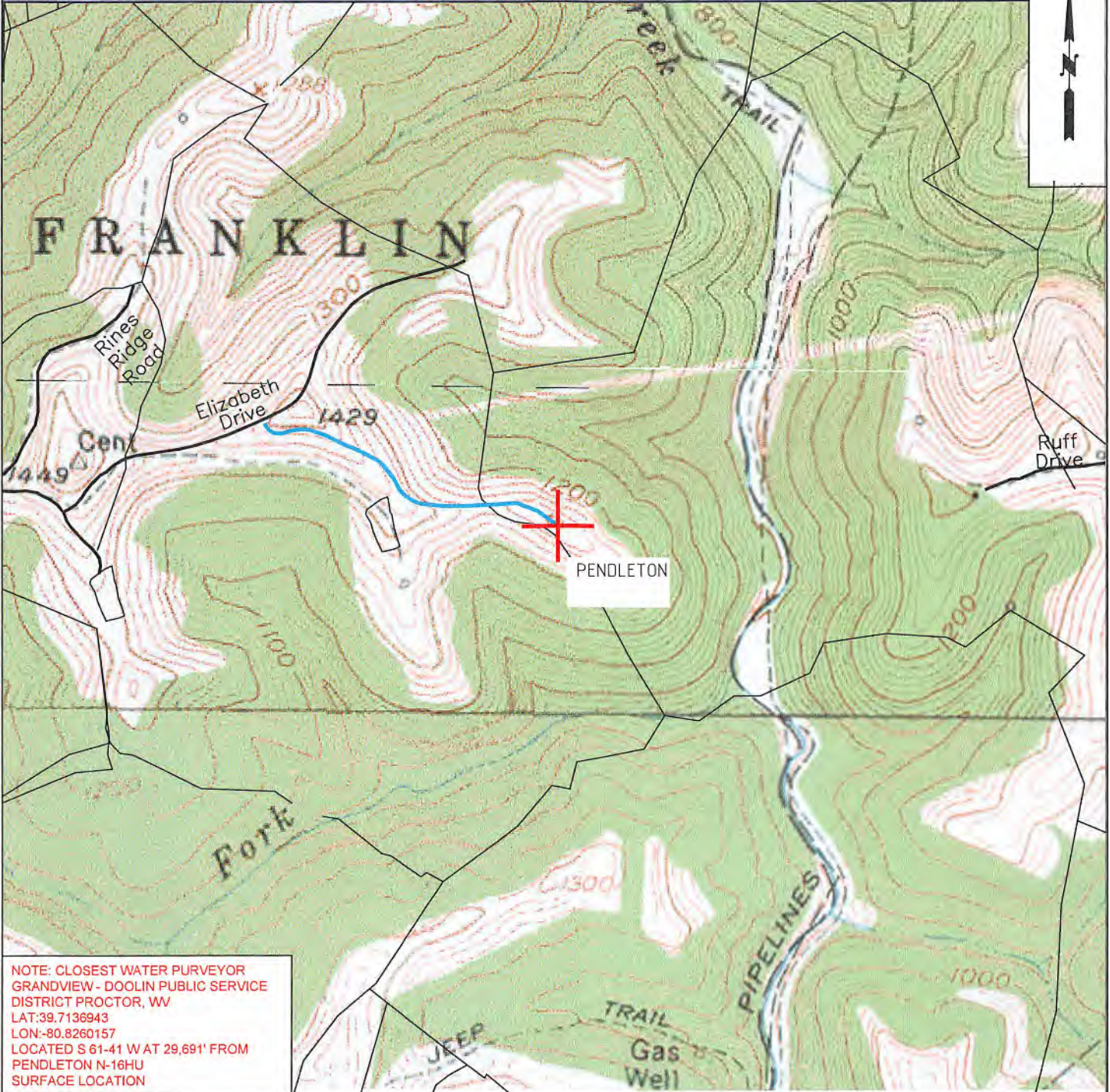
WELL PLAT
PAGE 3 OF 3
DATE: 08/23/2022

WW-9


SUPPLEMENT PG. 2

Pendleton Pad

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 61-41 W AT 29,691' FROM
 PENDLETON N-16HU
 SURFACE LOCATION

 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

10/14/2022

Handwritten signature