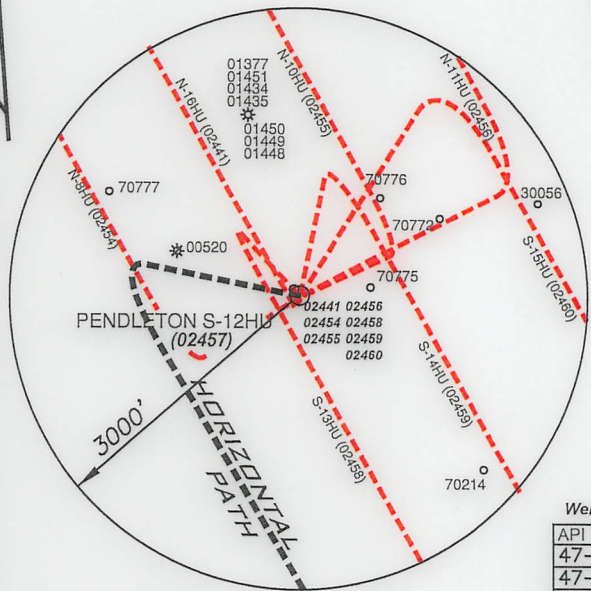
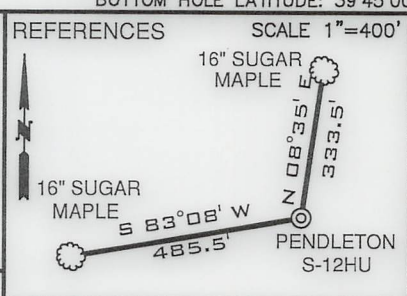
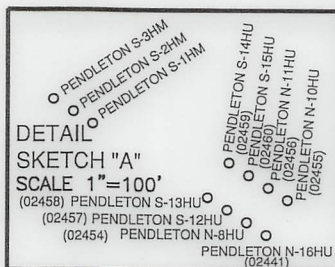


**PENDLETON LEASE
WELL S-12HU
175.8168± ACRES**

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



| LINE | BEARING | DISTANCE |
|------|------------|-----------|
| L1 | N 01°15' E | 2,863.13' |
| L2 | N 76°10' W | 2,388.14' |
| L3 | N 77°32' W | 312.91' |
| L4 | N 76°36' W | 212.53' |
| L5 | N 76°23' W | 1087.95' |

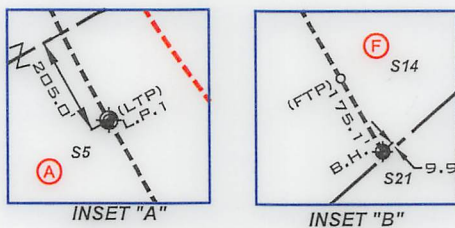
Deep Wells Within 2400' of Proposed Well's Surface Location and/or 500' of Well Lateral

| API | OPERATOR |
|--------------|-------------------------|
| 47-051-02441 | Tug Hill Operating, LLC |
| 47-051-02454 | Tug Hill Operating, LLC |
| 47-051-02455 | Tug Hill Operating, LLC |
| 47-051-02456 | Tug Hill Operating, LLC |
| 47-051-02458 | Tug Hill Operating, LLC |
| 47-051-02459 | Tug Hill Operating, LLC |
| 47-051-02460 | Tug Hill Operating, LLC |

LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT

- 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.
 - ALL DEEP WELLS SHOWN ON THIS PLAT.
 - L.P. 1 AND (L.T.P.) ARE AT THE SAME POINT.
 - THE FTP IS OVER 500' PERPENDICULAR TO THE BOUNDARY.
 - BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147



SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,422.36
E) 522,799.15

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,280.46
E) 522,348.71

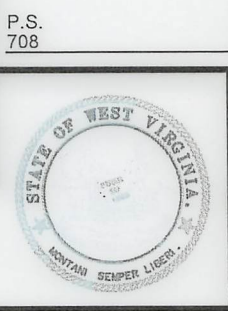
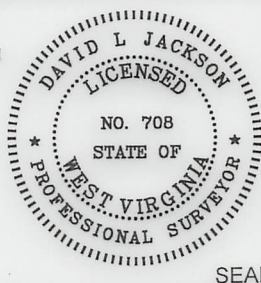
BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,632.06
E) 523,322.19

| CURVE | CHORD BEARING | CHORD LENGTH | RADIUS | ARC LENGTH |
|-------|---------------|--------------|----------|------------|
| C1 | N 89°11' W | 62.71' | 124.07' | 63.39' |
| C2 | S 53°50' W | 58.39' | 84.39' | 59.62' |
| C3 | S 19°49' W | 73.84' | 166.50' | 74.46' |
| C4 | S 01°02' W | 101.44' | 414.28' | 101.70' |
| C5 | S 10°45' E | 180.12' | 1038.65' | 180.35' |
| C6 | S 20°06' E | 245.53' | 1547.54' | 245.79' |
| C7 | S 26°54' E | 226.41' | 2345.62' | 226.49' |

FILE NUMBER _____
DRAWING NUMBER: **PENDLETON S-12HU 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



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

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

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

DATE: AUGUST 3, 2022
OPERATORS WELL NO. PENDLETON S-12HU
API WELL NO. 47-051-02457
STATE COUNTY PERMIT

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: 11,765' TMD: 18,562'

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

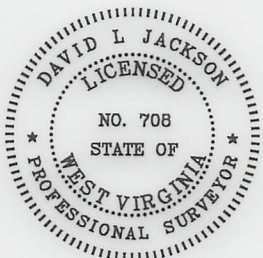
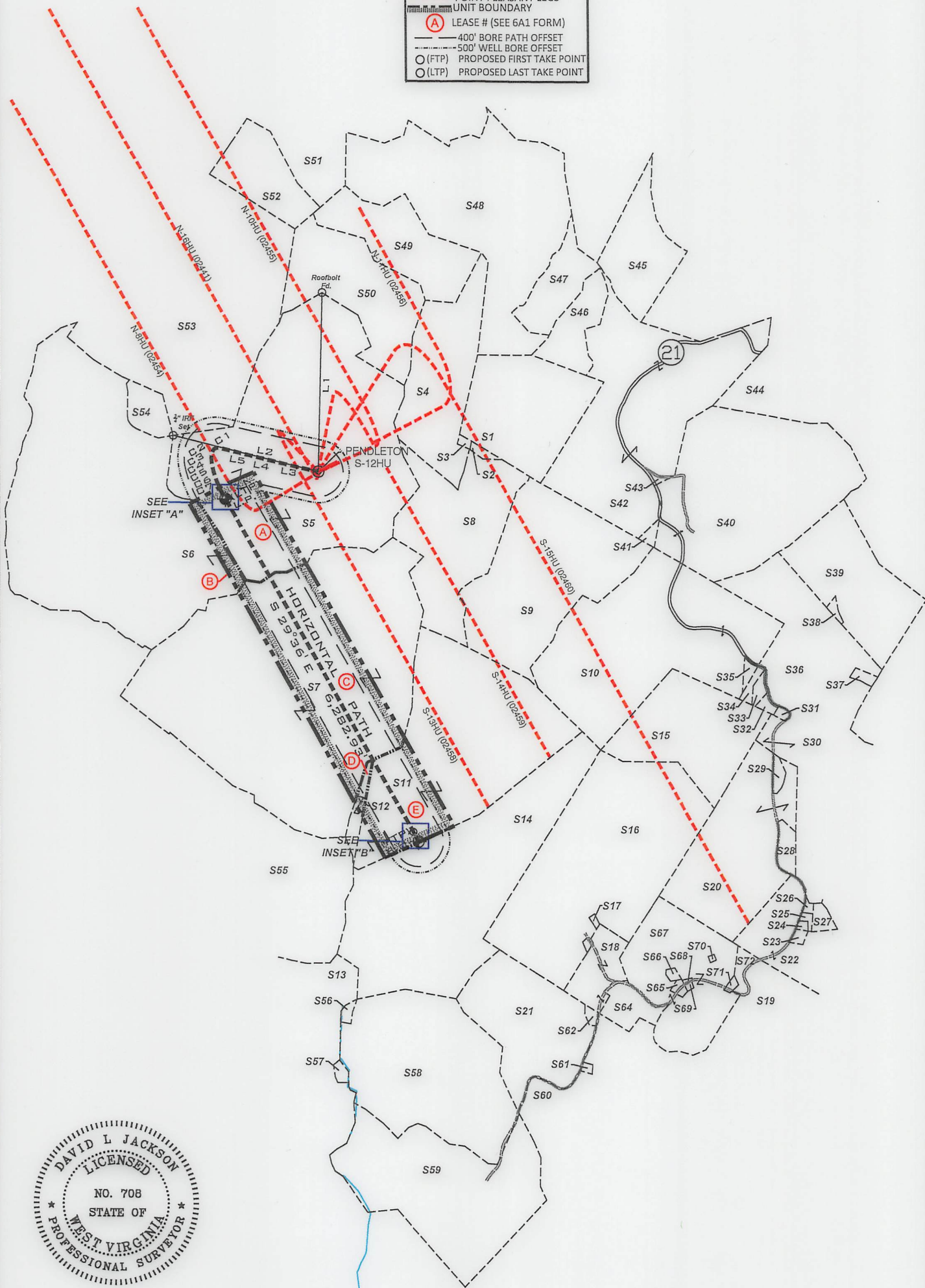
08/26/2022

COUNTY NAME
PERMIT

form: wwg

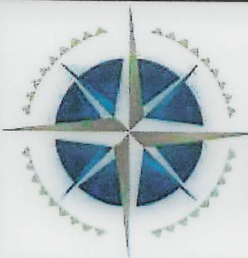
PENDLETON LEASE WELL S-12HU 175.8168± ACRES

| LEGEND | |
|--------|---------------------------|
| | LEASED TRACTS |
| | SURFACE TRACTS |
| | WELL LATERAL |
| | POINT PLEASANT LEGS |
| | UNIT BOUNDARY |
| | LEASE # (SEE 6A1 FORM) |
| | 400' BORE PATH OFFSET |
| | 500' WELL BORE OFFSET |
| | PROPOSED FIRST TAKE POINT |
| | PROPOSED LAST TAKE POINT |



P.S. 708 *David L Jackson*

08/26/2022



TUG HILL

OPERATING

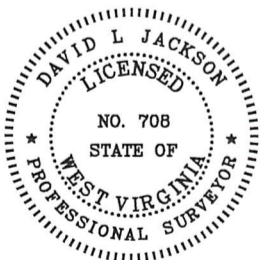
OPERATOR'S
WELL #: 47-051-02457
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 4
DATE: 08/03/2022

**PENDLETON LEASE
WELL S-12HU
175.8168± ACRES**

| Parcels within Unit Boundary | | | | |
|-----------------------------------|--------|-----------------|---|---------|
| Tags | Number | Tax Map -Parcel | Surface Owner | Acres |
| A | S5 | 05-17-06 | ALPINE FARM LLC | 249.07 |
| B | S6 | 05-17-08 | ROGER H HALL JR | 257.50 |
| C | S7 | 05-24-02 | ROY FRIEND YOHO | 316.80 |
| D | S12 | 09-20-01 | MICHAEL JAMES PEKULA ET UX | 5 |
| E | S11 | 09-20-02 | MICHAEL JAMES PEKULA ET UX | 138 |
| Adjoining Parcels Ownership Table | | | | |
| | Number | Tax Map -Parcel | Surface Owner | Acres |
| | S1 | 09-16-04 | BERTHA L KLUG | 73.39 |
| | S2 | 09-18-03 | BERTHA L KLUG | 1.33 |
| | S3 | 09-18-04 | BERTHA L KLUG | 1 |
| | S4 | 09-16-03 | BERTHA L KLUG | 71 |
| | S8 | 09-18-01 | THERESA MAE LONG THOMAS ET AL | 58.66 |
| | S9 | 09-18-02 | BRIAN T KLUG | 85 |
| | S10 | 09-18-18 | JAMES D. FROHNAPFEL ET UX | 154.03 |
| | S13 | 05-25-03 | USA TIMBER AND LAND AUCTIONS LLC | 181.548 |
| | S14 | 09-20-04 | SHELLIE J PEKULA | 171 |
| | S15 | 09-20-06 | KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST | 64.74 |
| | S16 | 09-20-05 | GERALD A ET UX FROHNAPFEL - TRUST | 164.143 |
| | S17 | 09-20-5.2 | WHEELING CATHOLIC DIOCESE | .447 |
| | S18 | 09-22-04 | WHEELING CATHOLIC DIOCESE | 20 |
| | S19 | 09-20-17 | MARTIN L KLUG | 49.78 |
| | S20 | 09-20-07 | SONNY M & LINDA L TAGG | 72.828 |
| | S21 | 09-22-3.2 | MARK H MILLER | 75 |
| | S22 | 09-20-9 | JOHN G JR & MARILYN S WEIGAND | 48.131 |
| | S23 | 09-20-9.4 | HELEN B SHUTLER - LIFE | .78 |
| | S24 | 09-20-10 | JAMES MILLER ET UX | .50 |
| | S25 | 09-20-9.3 | JAMES MILLER ET UX | .80 |
| | S26 | 09-20-9.5 | JAMES MILLER ET UX | .666 |
| | S27 | 09-20-9.6 | JAMES MILLER ET UX | 2.919 |
| | S28 | 09-20-7.1 | DAVID PAUL FROHNAPFEL | 4.930 |
| | S29 | 09-20-7.2 | MICKEY R DULANEY JR | 2.242 |
| | S30 | 09-18-15 | KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST | 29.5 |
| | S31 | 09-18-15.1 | NICHOLAS FROHNAPFEL ET UX | 1.50 |
| | S32 | 09-18-16.1 | NICHOLAS C FROHNAPFEL ET UX | 1.50 |
| | S33 | 09-18-16.3 | JOHN F WAYMAN EST | 1.818 |
| | S34 | 09-18-16.2 | JOHN F WAYMAN EST | 2.17 |
| | S35 | 09-18-18.1 | JOHN F WAYMAN EST | 1.1 |
| | S36 | 09-18-16 | ROBERT F VILLERS | 62.893 |
| | S37 | 09-18-16.4 | ROBERT F & APRIL L VILLERS | 1.50 |
| | S38 | 09-18-17.1 | VINCENT JOHN WAYMAN | 1.010 |
| | S39 | 09-18-17 | VINCENT J WAYMAN ET UX | 68.99 |
| | S40 | 09-18-06 | LOUIS FOX | 141.75 |
| | S41 | 09-18-5.1 | LOUIS FOX | 1.583 |
| | S42 | 09-18-05 | BERTHA L KLUG | 122.437 |
| | S43 | 09-18-5.2 | LOUIS FOX | 0.933 |
| | S44 | 09-16-20 | LOUIS T FOX | 83.174 |
| | S45 | 09-16-11 | JAMES G RICHMOND | 67.88 |
| | S46 | 09-16-07 | BERTHA L KLUG | 26.105 |
| | S47 | 09-16-06 | ROBERT M & NANCY R McCARDLE | 31 |
| | S48 | 09-16-05 | ROBERT M & NANCY R McCARDLE | 133 |
| | S49 | 09-16-02 | ROBERT M & NANCY R McCARDLE | 53.40 |
| | S50 | 05-17-05 | ALPINE FARM LLC | 76.96 |
| | S51 | 09-16-01 | ROBERT M & NANCY R McCARDLE | 46.80 |
| | S52 | 05-16-13 | DAVID ALAN RUBCICH ET AL | 33.31 |
| | S53 | 05-17-04 | ALPINE FARM LLC | 212 |
| | S54 | 05-17-07 | ALPINE FARM LLC | 10.8 |
| | S55 | 05-24-3.3 | CHARLES E BERTRAND & DEBRA K BERTRANO | 120.43 |
| | S56 | 09-22-1.1 | CNG TRANSMISSION CO | 1.43 |
| | S57 | 05-25-3.2 | CONSOL ENERGY HOLDINGS LLC XVI | 1.43 |
| | S58 | 09-22-01 | LOUIS T FOX | 124.57 |
| | S59 | 09-22-02 | MARK H J MILLER ETAL | 124.80 |
| | S60 | 09-22-03 | MARK HILARY MILLER | 63.73 |
| | S61 | 09-22-3.3 | MARY C WRIGHT | .617 |
| | S62 | 09-22-3.1 | MARGARET ANN MYSLIWIEC - LIFE | 1.1 |
| | S63 | 09-20-22.6 | MARY MARGARET STINE | 0.1185 |
| | S64 | 09-22-5.1 | HILARY G MILLER EST | 10.62 |
| | S65 | 09-20-22.7 | JOAN L KLUG | 1.06 |
| | S66 | 09-20-22.8 | JOAN LOUISE KLUG | .80 |
| | S67 | 09-20-22 | JOAN L KLUG | 70.2398 |
| | S68 | 09-20-22.4 | JOAN L KLUG | 0.165 |
| | S69 | 09-20-22.5 | JOAN L KLUG | .3767 |
| | S70 | 09-20-22.3 | GRANDVIEW-DOOLIN PSD | 0.23 |
| | S71 | 09-20-22.1 | MARY MARGARET STINE | 0.23 |
| | S72 | 09-20-21 | MARY MARGARET STINE | 3.25 |

08/26/2022



P.S. 708 *David L Jackson*



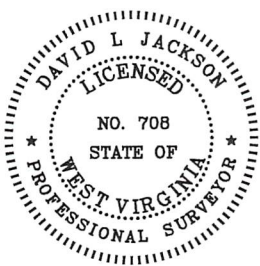
TUG HILL
OPERATING

OPERATOR'S
WELL #: 47-051-02457
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 3 OF 4
DATE: 08/03/2022

**PENDLETON LEASE
WELL S-12HU
175.8168± ACRES**

| LEASE ID | TMP | TAG | GRANTOR, LESSOR, ETC. | DEED BOOK/PAGE | |
|----------|--------|-----|---|----------------|-----|
| 10*14114 | 5-17-6 | A | ELI & FANNIE MAE WENGERD | 671 | 323 |
| 10*14460 | 5-17-8 | B | GERTRUD GODDARD, ET AL | 735 | 515 |
| 10*14024 | 5-24-2 | C | ROY FRIEND YOHO AND DARLENE J YOHO, ET AL | 665 | 508 |
| 10*39661 | 9-20-1 | D | SHELLIE J PEKULA AND MICHAEL PEKULA | 1126 | 542 |
| 10*39661 | 9-20-2 | E | SHELLIE J PEKULA AND MICHAEL PEKULA | 1126 | 542 |



P.S. 708 *David L Jackson*

08/26/2022



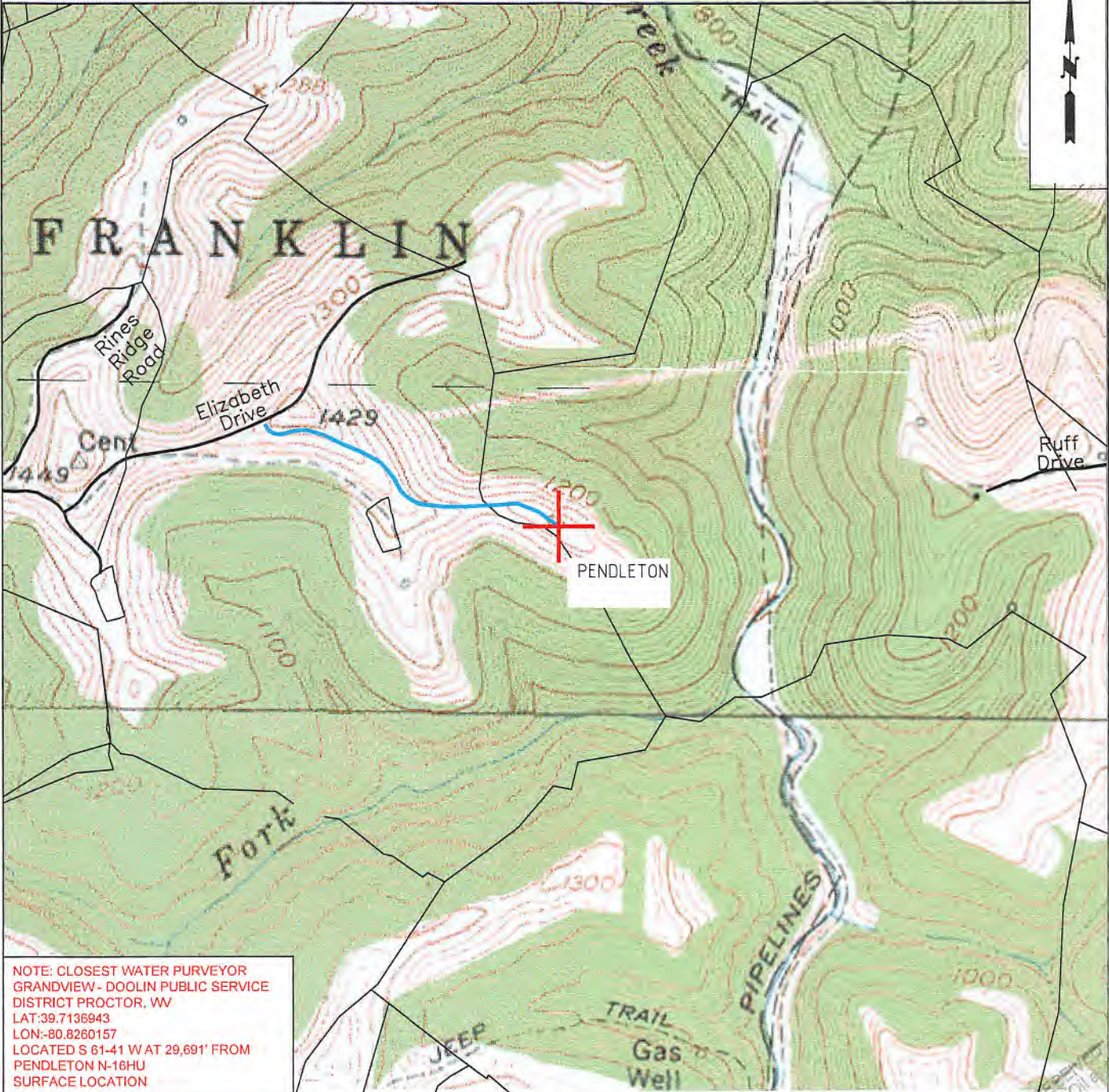
TUG HILL
OPERATING

OPERATOR'S
WELL #: 47-051-02457
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV


WELL PLAT
PAGE 4 OF 4
DATE: 08/03/2022

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 TUG HILL OPERATING, LLC 380 SOUTHPONTE BLVD SUITE 200 CANONSBURG, PA 15317 | TOPO SECTION GLEN EASTON 7.5' SCALE: 1" = 1000' | LEASE NAME PENDLETON DATE: DATE: 03-16-2022 |
| | | | JUN 06 2022 WV Department of Environmental Protection |
| | | | |