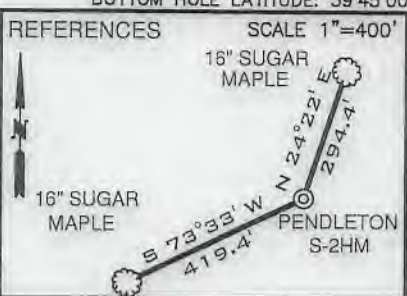
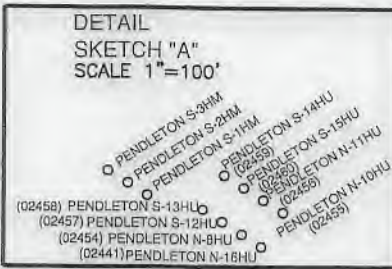


**PENDLETON LEASE
WELL S-2HM
923.613± ACRES**

GRID NORTH

(TH) 7,301' (BH) 1,498'
TOP HOLE LATITUDE: 39°47'30"
BOTTOM HOLE LATITUDE: 39°45'00"

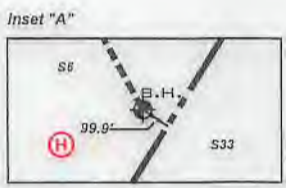
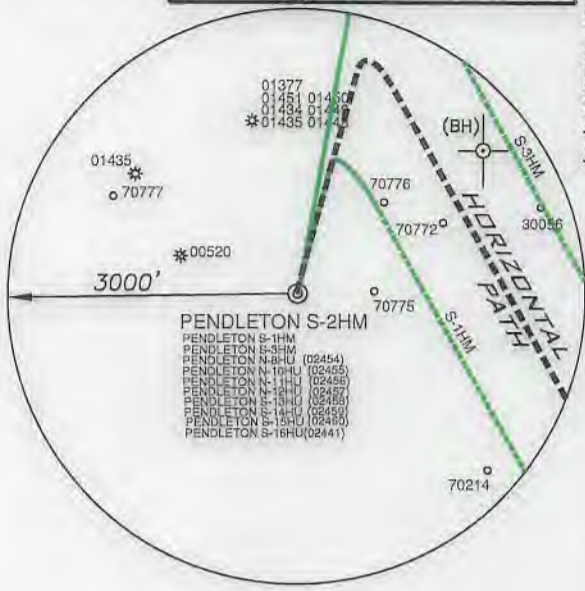


LINE	BEARING	DISTANCE
L1	N 02°54' E	2,815.75'
L2	N 76°55' W	2,298.57'
L3	N 14°57' E	2,393.95'

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,400,437.26
E) 522,774.51

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,401,034.50
E) 523,103.24

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,530.89
E) 524,548.52



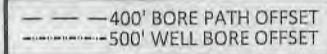
NOTES

- 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 0058304.0401147

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 25°13' E	88.29'	207.56'	88.97'
C2	N 67°21' E	80.76'	81.41'	84.50'
C3	S 68°57' E	59.50'	146.04'	59.92'
C4	S 50°16' E	78.99'	338.00'	79.17'
C5	S 37°52' E	137.68'	726.85'	137.89'
C6	S 30°56' E	351.42'	4549.64'	351.50'



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS



LEGEND

- LEASED TRACTS (dashed line)
- SURFACE TRACTS (dotted line)
- WELL LATERAL (solid line)
- MARCELLUS LEGS (dashed line)
- UNIT BOUNDARY (thick solid line)
- LEASE # (SEE 6A1 FORM) (circle with A)

FILE NUMBER _____
DRAWING NUMBER: PENDLETON S-2HM 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

P.S. 708

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

DATE: AUGUST 18, 2022
OPERATORS WELL NO. PENDLETON S-2HM
API WELL NO. 47-051-02469
STATE WV COUNTY MARSHALL PERMIT 10/14/2022

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION STORAGE DEEP 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 CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____
PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,807' TMD: 17,216'
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

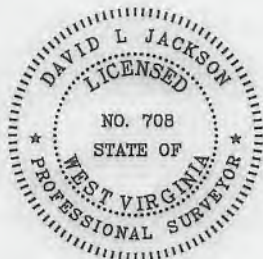
form ww6

GRID NORTH

PENDLETON LEASE WELL S-2HM 923.613± 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



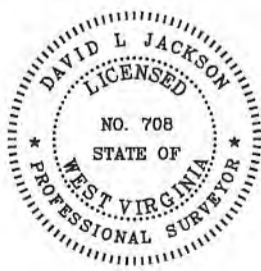
TUG HILL
OPERATING

OPERATOR'S
WELL #: PENDLETON S-2HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 3
DATE: 08/18/2022

**PENDLETON LEASE
WELL S-2HM
923.613± ACRES**

Parcels within Unit Boundary				
Tags	Number	Tax Map -Parcel	Surface Owner	Acres
A	S1	05-17-06	ALPINE FARM LLC	249.07
B	S21	05-17-05	ALPINE FARM LLC	76.96
C	S24	09-16-03	BERTHA L KLUG	71
D	S2	09-18-01	THOMAS THERESA MAE LONG ET AL	58.66
E	S3	09-18-02	BRIAN T KLUG	85.0
F	S29	09-18-18	JAMES D FROHNAPFEL ET UX	154.03
G	S30	09-20-06	KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST	64.75
H	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	09-20-5.2	WHEELING CATHOLIC DIOCESE	0.447
	S9	09-22-04	WHEELING CATHOLIC DIOCESE	20
	S10	09-22-5.1	HILARY G MILLER EST	10.62
	S11	09-22-3.1	MARGARET ANN MYSLIWIEC -LIFE	1.1
	S12	09-22-03	MARK HILARY MILLER	63.73
	S13	09-22-3.2	MARK H MILLER	75
	S14	09-22-01	LOUIS T FOX	124.57
	S15	05-25-03	USA TIMBER & LAND AUCTIONS, LLC	181.548
	S16	05-24-3.3	CHARLES E BERTRAND & DEBRA K BERTRAND	120.43
	S17	05-24-02	ROY FRIEND YOHO	316.8
	S18	05-17-08	ROGER H HALL JR	257.5
	S19	05-17-07	ALPINE FARM LLC	10.8
	S20	05-17-04	ALPINE FARM LLC	212
	S22	09-16-02	ROBERT M & NANCY R MCCARDLE	53.4
	S23	09-16-05	ROBERT M & NANCY R MCCARDLE	133
	S25	09-16-04	BERTHA L KLUG	73.39
	S26	09-18-04	BERTHA L KLUG	1
	S27	09-18-03	BERTHA L KLUG	1.33
	S28	09-18-05	BERTHA L KLUG	122.437
	S31	09-20-7.2	MICKEY R DULANEY JR	2.24
	S32	09-20-11	PATRICK A FROHNAPFEL ET UX	139.88
	S33	09-20-07	SONNY M & LINDA L TAGG	72.828
	S34	09-20-7.1	DAVID PAUL FROHNAPFEL	4.930
	S35	09-20-9.5	JAMES MILLER ET UX	0.666
	S36	09-20-9.6	JAMES MILLER ET UX	2.919
	S37	09-20-9.3	JAMES MILLER ET UX	0.804
	S38	09-20-10	JAMES MILLER ET UX	0.5
	S39	09-20-9.4	HELEN B SHUTLER -LIFE	0.78
	S40	05-16-13	DAVID ALAN RUBCICH ET AL	33.31
	S41	09-16-1	ROBERT M & NANCY R MCCARDLE	46.8
	S42	09-16-7	BERTHA L KLUG	26.105
	S43	09-18-5.2	LOUIS FOX	0.933
	S44	09-18-5.1	LOUIS FOX	1.583
	S45	09-18-6	LOUIS FOX	141.75
	S46	09-18-16	ROBERT F VILLERS	62.893
	S47	09-18-17	VINCENT J WAYMAN ET UX	68.99
	S48	09-18-17.1	VINCENT JOHN WAYMAN	1.010
	S49	09-18-18.1	JOHN F WAYMAN ESTATE	1.1
	S50	09-18-16.2	JOHN F WAYMAN EST	2.17
	S51	09-18-16.3	BERNARD A KLUG ET UX	1.818
	S52	09-18-16.1	NICHOLAS C FROHNAPFEL ET UX	1.50
	S53	09-18-15.1	NICHOLAS C FROHNAPFEL ET UX	0.68
	S54	09-18-15	KEITH & KRISTY FERRELL REVOCABLE LIVING TRUST	29.5
	S55	09-20-9	JOHN G JR & MARILYN S WEIGAND	48.131



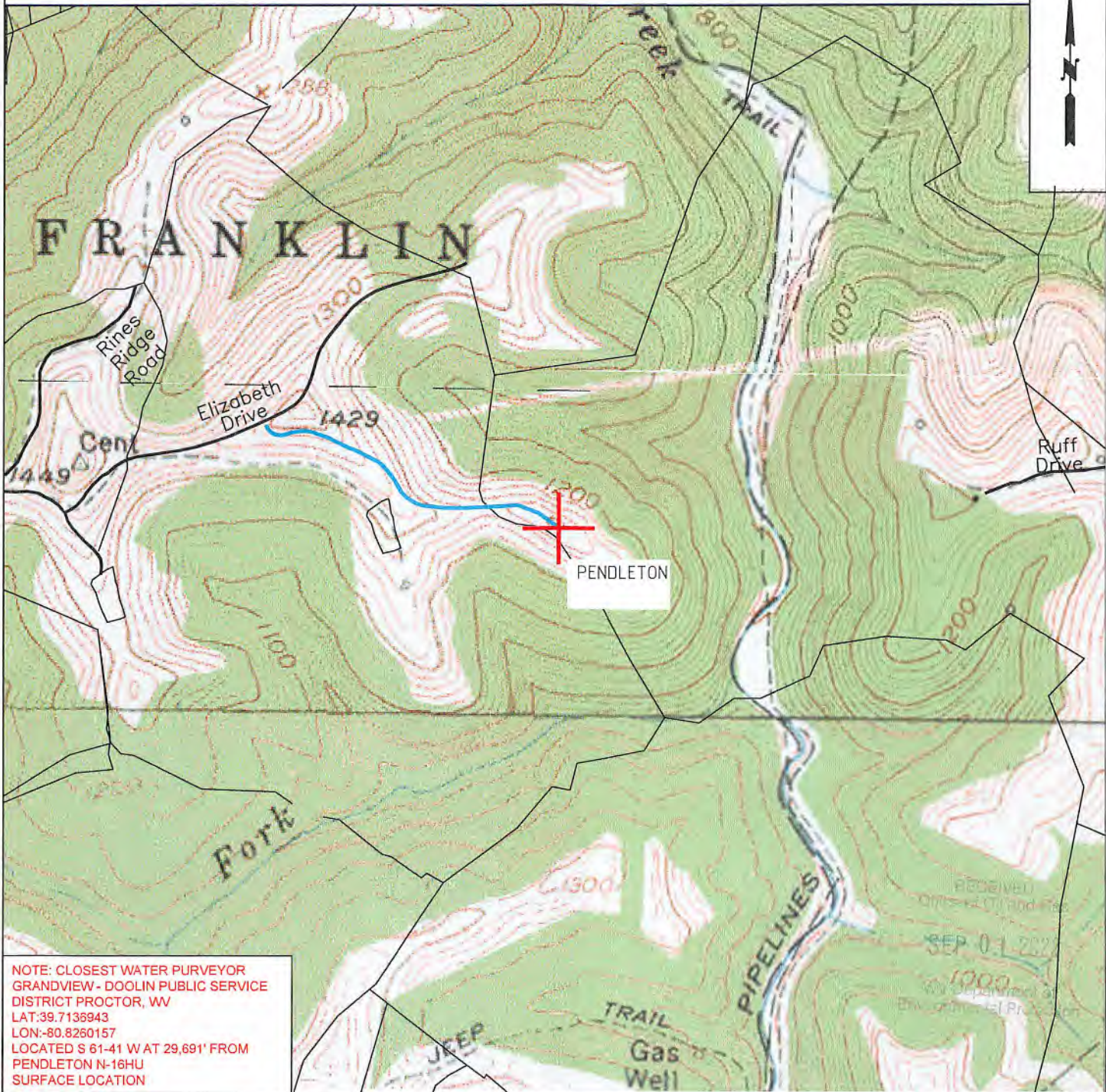
P.S. 708 *David L Jackson*

10/14/2022

 <p>TUG HILL OPERATING</p>	OPERATOR'S WELL #: <u>PENDLETON S-2HM</u>	WELL PLAT PAGE 3 OF 3
	DISTRICT: <u>Franklin</u>	DATE: <u>08/18/2022</u>
	COUNTY: <u>Marshall</u>	
	STATE: <u>WV</u>	

Pendleton Pad

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



NOTE: CLOSEST WATER PURVEYOR
 GRANDVIEW - DOOLIN PUBLIC SERVICE
 DISTRICT PROCTOR, WW
 LAT: 39.7136943
 LON: -80.8260157
 LOCATED S 61-41 W AT 29.691' FROM
 PENDLETON N-16HU
 SURFACE LOCATION

RECEIVED
 09/14/2022
 SEP 01 2022
 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: 1" = 1000'	DATE: DATE: 03-16-2022

10/14/2022
 S/19/25/22