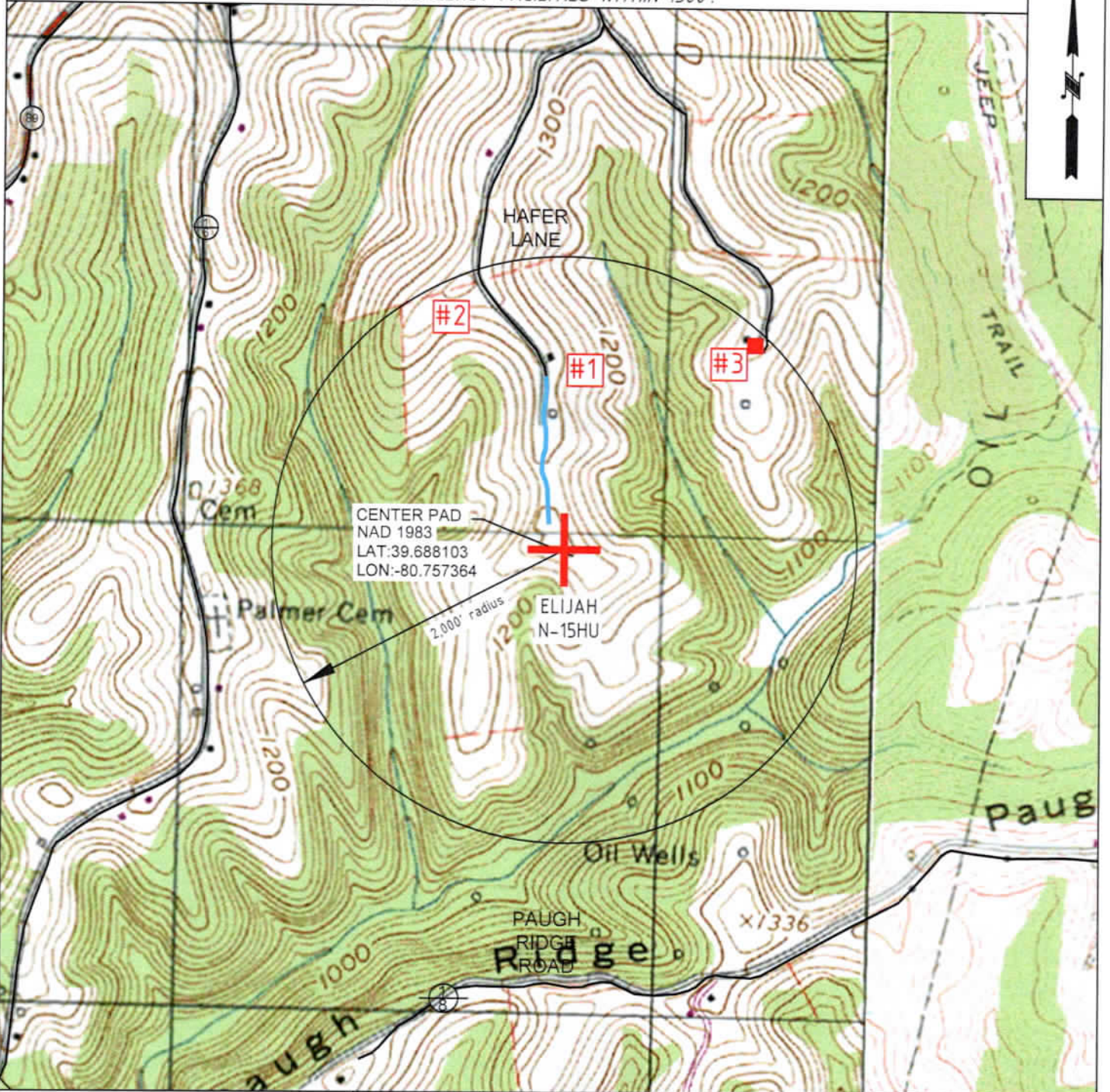


WW-6A

SUPPLEMENT PG 1

Elijah Well Pad

THERE APPEARS TO BE THREE (3) RESIDENCE & ZERO (0) BUSINESSES, CHURCHES, SCHOOLS, OR EMERGENCY FACILITIES WITHIN 1500'.



 TUG HILL OPERATING	OPERATOR	494510851	TOPO SECTION	LEASE NAME
	TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317		WILEYVILLE 7.5'	ELIJAH
			SCALE:	DATE:
			1" = 1000'	DATE: 12-16-2021

08/18/2023

PROPOSED ELIJAH PAD

12-7-22
CHARLES & F. DOTH ROSE - L.E.
CHARLES D. ROSE JR., ET AL.
DB 437-667
18 AC

DRAWING NOT TO SCALE

12-7-31.1
NANCY JAYNE &
MARK J DAVIS
DB 333-412
0.808 AC

REFERENCE IS HEREBY MADE TO THE WV D.E.P. OFFICE OF OIL & GAS, "EROSION AND SEDIMENT CONTROL FIELD MANUAL" FOR REQUIREMENTS AND BMPs FOR AVERAGE FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES AND THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION TO THE INSPECTOR AND THE OPERATOR SHOULD THESE CONDITIONS OCCUR.

12-7-31.2
NANCY J & MARK J DAVIS
DB 351-92
17.37 AC

INSTALL CULVERTS AS SHOWN ON RECLAMATION PLAN OR AS FIELD CONDITIONS REQUIRE.

ENTRANCES ONTO PUBLIC ROADS SHALL BE CONSTRUCTED OR MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. ADDITIONAL PERMITS MAY BE REQUIRED. TEMPORARILY SEED AND MULCH ALL SLOPES UPON CONSTRUCTION OF LOCATION.

ALL CUT AND FILL SLOPES ARE 2H : 1V SLOPE.

ALL TREES 6-INCHES AND ABOVE ARE TO BE CUT AND STACKED BRUSH SLASHINGS ARE TO UTILIZED DOWN SLOPE OF SITE AND STRUCTURES TO ACT AS A CONTROL BARRIER IF AVAILABLE.

DRAWING NOT TO SCALE.

12-7-31
WILLIAM C. CROSS JR. IRREV TRUST
DB 422-275
(PARCEL TWO)
72.57 AC

12-7-29
WILLIAM C. CROSS JR. IRREV TRUST
DB 422-275
(PARCEL THREE)
171.0 AC

12-7-30
WILLIAM C. CROSS JR. IRREV TRUST
DB 422-275
(PARCEL ONE)
19.75 AC

15.31' @ -8.35%

248.18' @ -14.00%

106.76' @ -4.79%

76.87' @ -5.38%

92.82' @ -6.34%

335.89' @ -0.76%

48.48' @ -3.97%

58.19' @ 0.00%

111.44' @ 8.99%

52.74' @ 0.00%

51.25' @ -8.00%

8.58' @ 0.00%

259'
N-15HU
N-16HU
N-17HU
S-18HU
S-19HU
S-20HU
140'
130'
393'



LEGEND

- Note
- ⊙ — Denotes existing culvert with appropriate sediment outlet control (Rip Rap splash pad).
- Silt Fence and or Sediment and Erosion Control Measure.
- - - Surface Boundary
- ⋯ LOD
- Fence Line



Jackson Surveying Inc.
8113 E. Pike St. #113
Clarksburg, WV 26301
Phone: 304-629-6861

TOPO SECTION:

NEW MARTINSVILLE 7.5'

COUNTY	DISTRICT
WETZEL	PROCTOR
DRAWN BY	OPERATOR NO.
J.D.C.	494510851

OPERATOR:

PREPARED FOR:

TUG HILL OPERATING, LLC
380 SOUTHPOINTE BLVD
SUITE 200
CANONSBURG, PA 15317

DATE	SCALE
12-01-2021	NONE

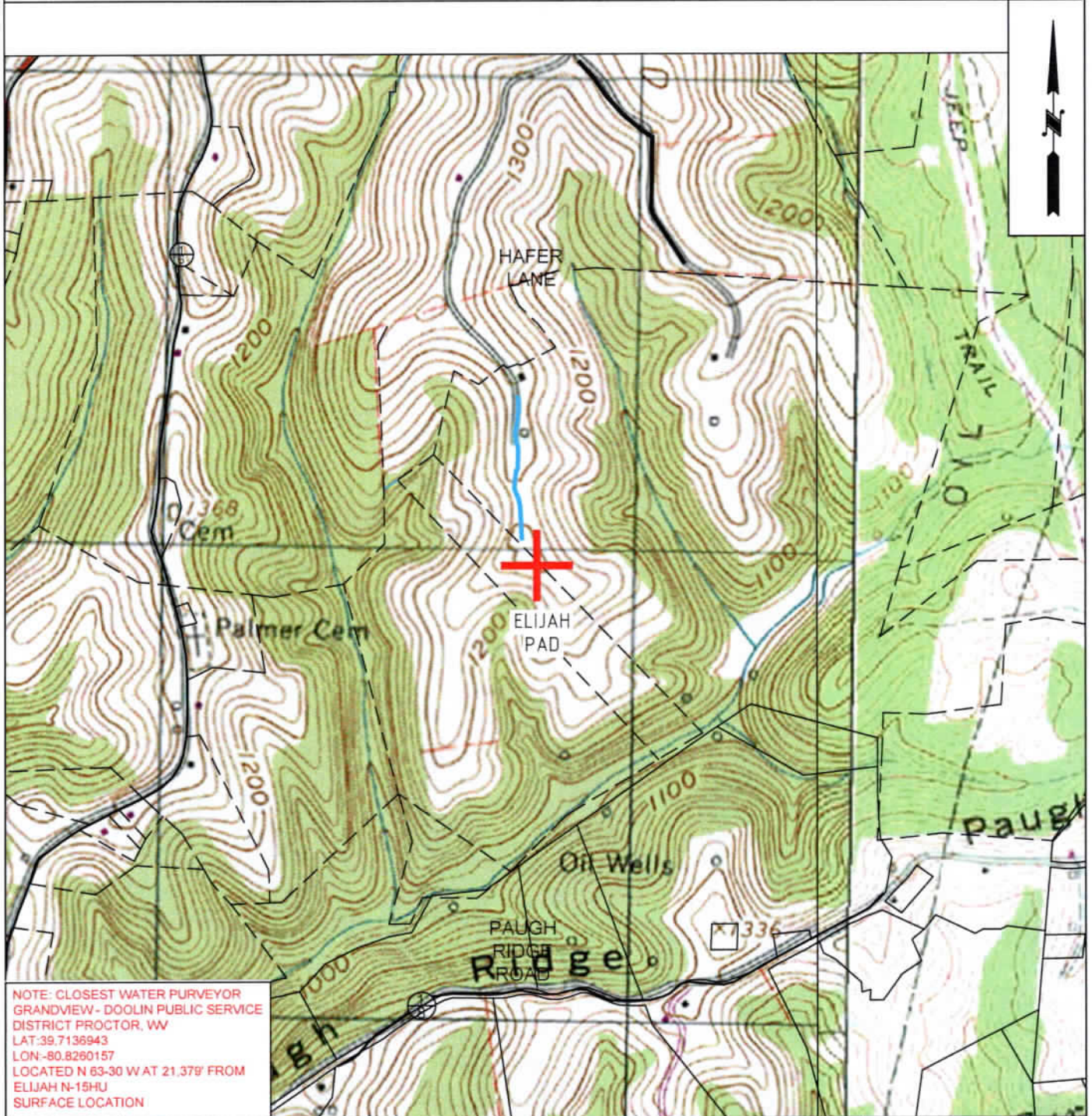


08/18/2023

WW-9

PROPOSED ELIJAH PAD

SUPPLEMENT PG 2



NOTE: CLOSEST WATER PURVEYOR
GRANDVIEW - DOOLIN PUBLIC SERVICE
DISTRICT PROCTOR, WV
LAT: 39.7136943
LON: -80.8260157
LOCATED N 63-30 W AT 21,378' FROM
ELIJAH N-15HU
SURFACE LOCATION



OPERATOR	494510851	TOPO SECTION	LEASE NAME
TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317		NEW MARTINSVILLE 7.5'	ELIJAH
		SCALE:	DATE:
		1" = 1000'	DATE: 12-01-2021

08/18/2023

(BH) 9,700'

(TH) 2,169'

ELIJAH N-16HU UTICA UNIT - 469.1698± ACRES TUG HILL OPERATING, LLC

TOP HOLE LATITUDE: 39°42'30"
BOTTOM HOLE LATITUDE: 39°45'00"

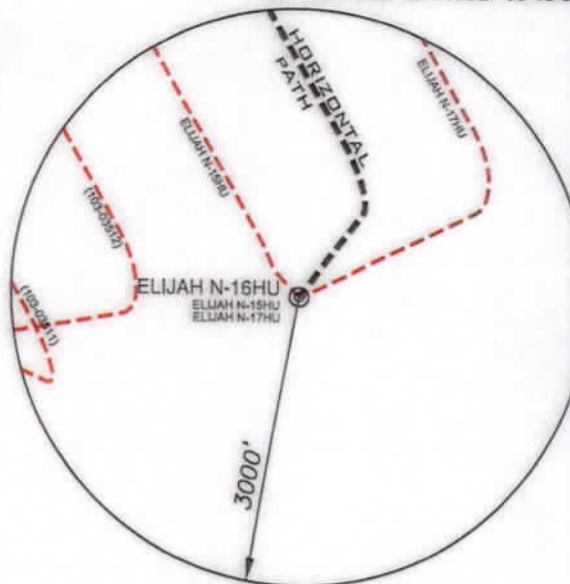
(BH) BOTTOM HOLE LONGITUDE: 80°45'00"
(TH) TOP HOLE LONGITUDE: 80°45'00"

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 WETZEL COUNTY, WV IN NOVEMBER, 2021. TAG TRACT OWNERSHIPS UPDATED IN MAY, 2023. 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' ARE SHOWN ON THIS PLAT.
6. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCGAMEY & CHILCOTE, P.C. FILE 0058304.0401147
7. LP & LTP ARE THE SAME POINT.

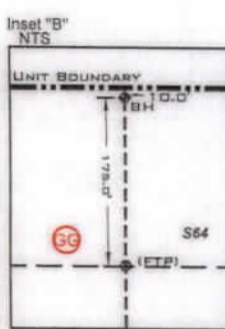
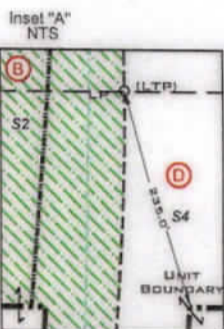
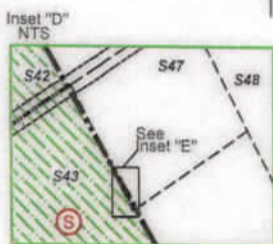


(BH)



(TH)

(*) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS



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

DETAIL SKETCH "A" N.T.S.

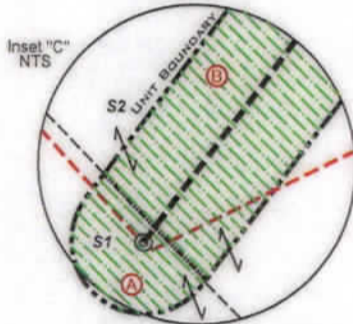
ELIJAH N-15HU
ELIJAH N-16HU
ELIJAH N-17HU

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,183.84
E) 520,792.87

LANDING POINT
UTM. NAD83, ZONE 17
IN METERS
N) 4,393,693.23
E) 520,918.14

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,397,881.17
E) 518,485.01

REFERENCES N.T.S.



LINE	BEARING	DISTANCE
L1	N 81°17' W	1078.97'
L2	S 31°41' W	1853.74'
L3	N 37°29' E	1094.40'

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	N 30°20' E	23.48'	79.02'	23.57'
C2	N 11°51' E	50.83'	171.28'	51.02'
C3	N 05°54' W	154.35'	566.89'	154.83'
C4	N 19°32' W	404.72'	1685.08'	405.70'
C5	N 27°10' W	215.05'	2993.21'	215.09'

FILE NUMBER

DRAWING NUMBER:

ELIJAH_N-16HU_REV1

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 1480
Clarksburg, WV 26302
304-623-5851



SEAL

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

DATE: JULY 25, 2023

OPERATORS WELL NO. ELIJAH N-16HU

API WELL NO.

47-103-03594

STATE COUNTY PERMIT

LOCATION ELEVATION 1275.8' WATERSHED (HUC 10) PROCTOR CREEK OF FRENCH CREEK - OHIO RIVER (HUC-10)

DISTRICT PROCTOR COUNTY WETZEL

QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER TRUSTEES OF THE WILLIAM CROSS SUB TRUST; FBO CRISTA E KING, ET AL ACREAGE 19.75

OIL & GAS ROYALTY OWNER TRUSTEES OF THE WILLIAM CROSS SUB TRUST; FBO CRISTA E KING, ET AL LEASE ACREAGE 19.75

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) _____

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,803' TMD: 28,061'

WELL OPERATOR TUG HILL OPERATING, LLC
ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500
FORT WORTH, TX 76107

DESIGNATED AGENT DARREN BROWN, CT CORP
ADDRESS 5098 WASHINGTON STREET WEST, SUITE 407
CHARLESTON, WV 25313-1561

08/18/2023

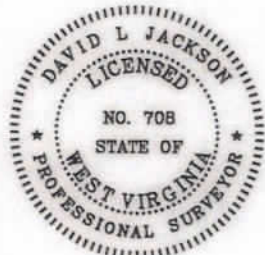
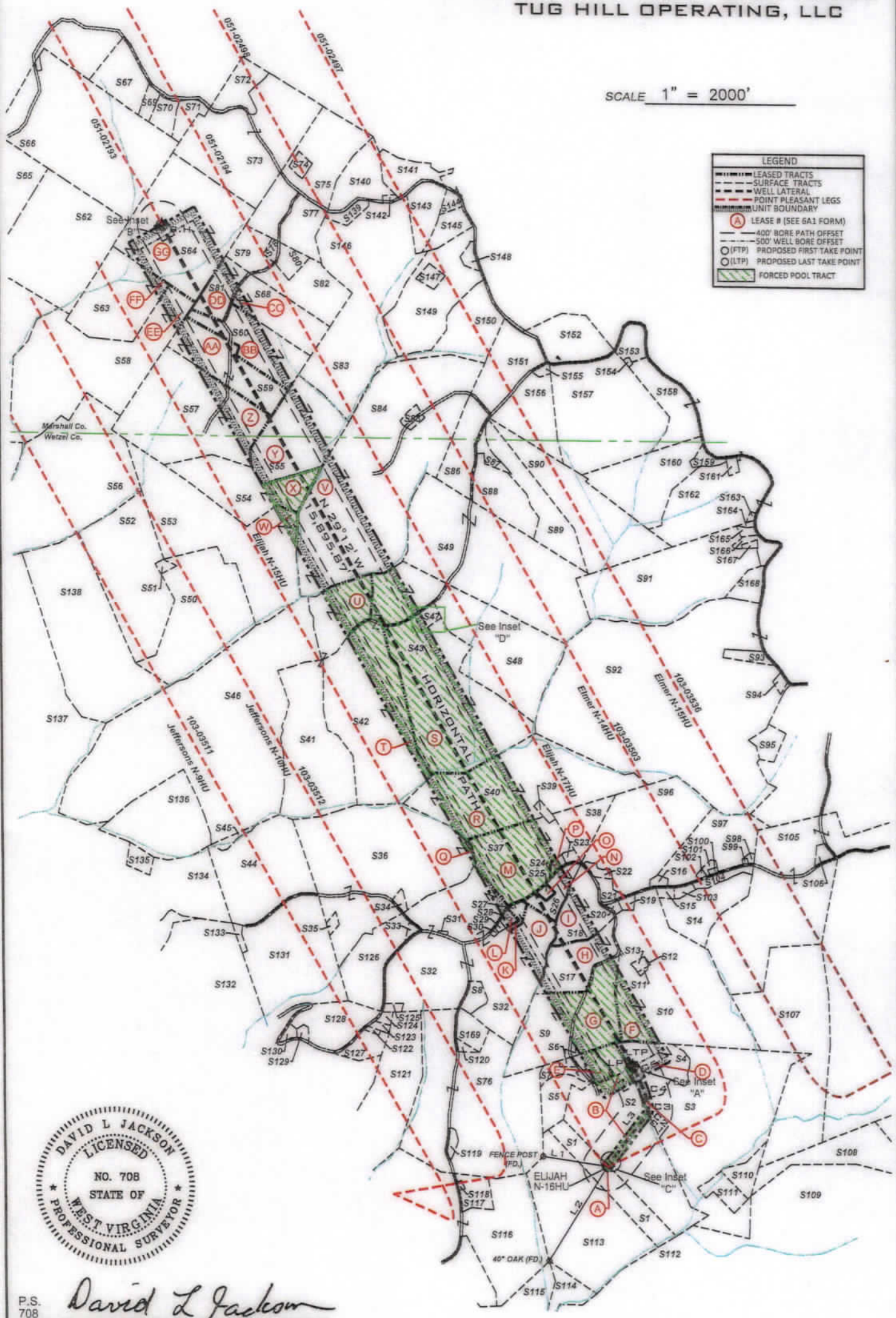
COUNTY NAME PERMIT

ELIJAH N-16HU UTICA UNIT - 469.1698± ACRES TUG HILL OPERATING, LLC

SCALE 1" = 2000'

LEGEND

- LEASE TRACTS
- SURFACE TRACTS
- WELL LATERAL
- POINT PLEASANT LEGS
- UNIT BOUNDARY
- (A) LEASE # (SEE GA1 FORM)
- 400' BORE PATH OFFSET
- 500' WELL BORE OFFSET
- (FTP) PROPOSED FIRST TAKE POINT
- (LTP) PROPOSED LAST TAKE POINT
- FORCED POOL TRACT



P.S. 708

David L Jackson

08/18/2023



TUG HILL

OPERATING

OPERATOR'S
WELL #: ELIJAH N-16HU
DISTRICT: Proctor
COUNTY: Wetzel
STATE: WV
API #: 47-103-

WELL PLAT
PAGE 2 OF 4
DATE: 07/25/2023