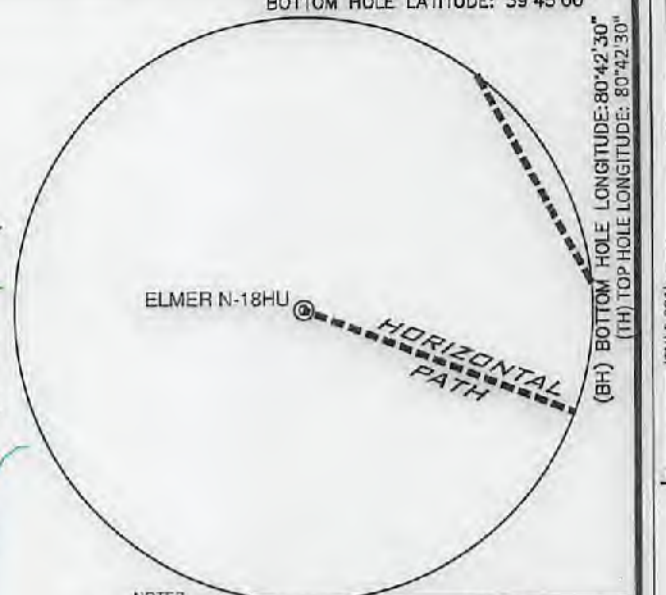
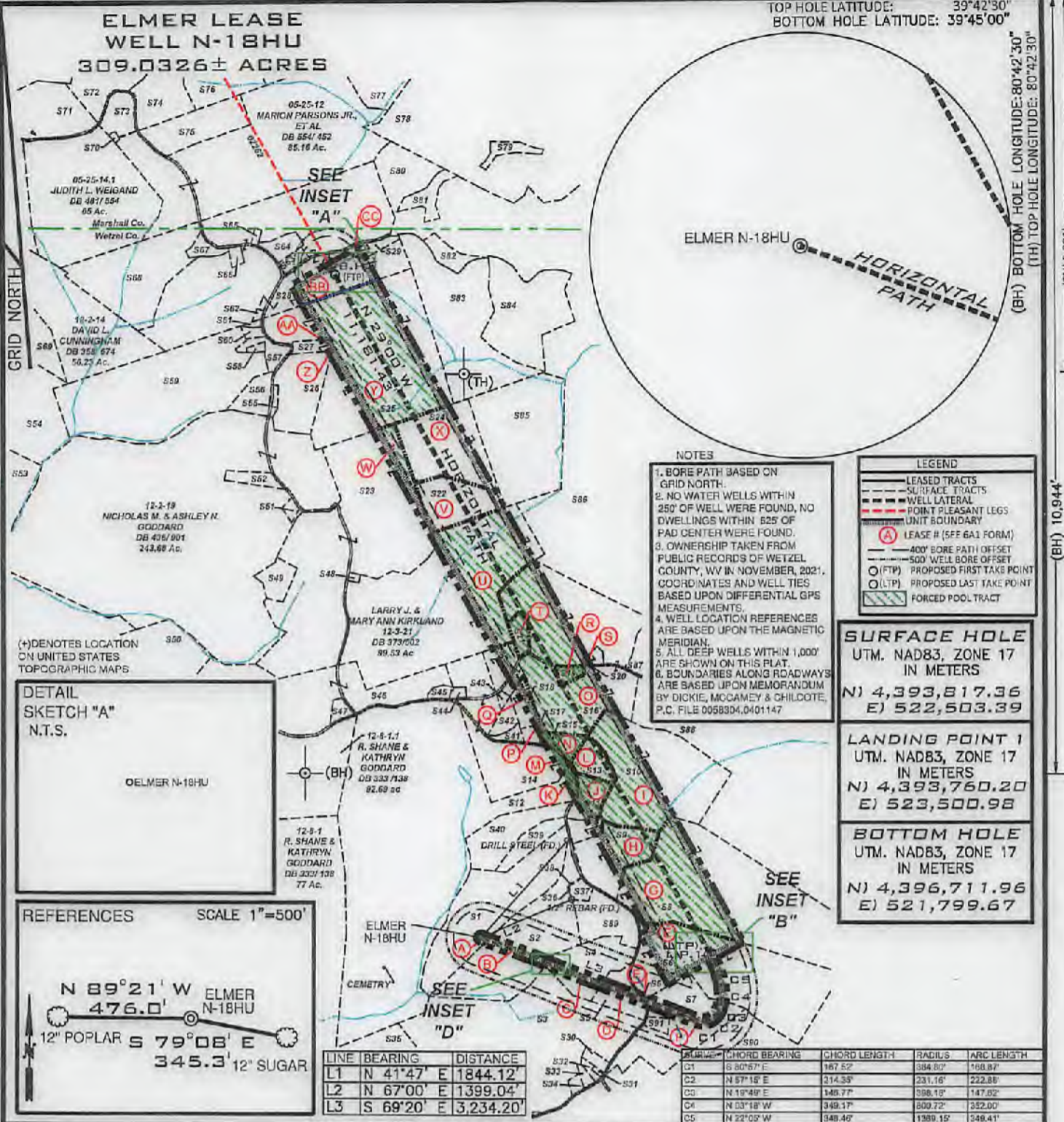


ELMER LEASE WELL N-18HU 309.0326± ACRES

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



NOTES

- BORE PATH BASED ON GRID NORTH.
- NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 525' OF PAD CENTER WERE FOUND.
- OWNERSHIP TAKEN FROM PUBLIC RECORDS OF WETZEL COUNTY, WV IN NOVEMBER, 2021. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
- WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
- ALL DEEP WELLS WITHIN 1,000' ARE SHOWN ON THIS PLAT.
- BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

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

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS

N) 4,393,817.36
E) 522,503.39

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS

N) 4,393,760.20
E) 523,500.98

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS

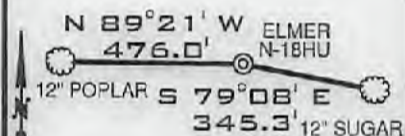
N) 4,396,711.96
E) 521,799.67

DETAIL
SKETCH "A"
N.T.S.

OELMER N-18HU

REFERENCES

SCALE 1"=500'



LINE	BEARING	DISTANCE
L1	N 41°47' E	1844.12'
L2	N 67°00' E	1399.04'
L3	S 69°20' E	3,234.20'

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 80°57' E	167.52'	384.80'	169.87'
C2	N 57°18' E	214.59'	231.16'	222.88'
C3	N 10°49' E	148.77'	398.18'	147.02'
C4	N 03°18' W	349.17'	809.72'	352.00'
C5	N 22°09' W	348.46'	1389.15'	348.41'

FILE NUMBER _____

DRAWING NUMBER ELMER_N-18HU_REVO

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

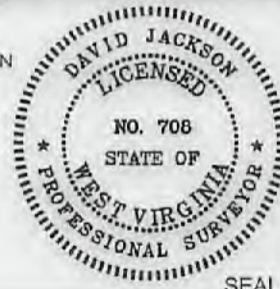
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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
304-623-5551



SEAL

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

DATE: DECEMBER 15, 2021

OPERATORS WELL NO. ELMER N-18HU

API WELL NO. _____

47-103-03467

STATE COUNTY PERMIT

LOCATION ELEVATION 1275.25' WATERSHED (HUC 10) PROCTOR CREEK OF FRENCH CREEK - OHIO RIVER (HUC-10)

DISTRICT PROCTOR COUNTY WETZEL

QUADRANGLE WILEVILLE 7.5' LEASE NUMBER SEE WW-6A1 FORM

SURFACE OWNER ELNORA TUTTLE ACREAGE 39.19

OIL & GAS ROYALTY OWNER ELNORA TUTTLE - SEE WW-6A1 LEASE ACREAGE 39.19

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: 12,004' TMD: 24,489'

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

02/11/2022

COUNTY NAME
PERMIT

form wwf

**ELMER LEASE
WELL N-18HU
309.0326± ACRES**

*FORCED POOLED TRACTS ARE HIGHLIGHTED

Tags	Number	Tax Map - Parcel	Surface Owner	Acres
A	51	12-8-15	ELNORA TUTTLE	39.19
B	52	12-8-16	CHARLES & BETTY HUGGINS	39.13
	53	12-8-20	NANCY D. TRUEX	95.35
C	54	12-8-21.1	LINDA M. STOUT	15.26
D	55	12-8-22.1	BARRY C. KIRKLAND	7.401
E	56	12-8-23	JACOB WOODROW & MARY JOSEPHINE NICE	59
F	57	12-8-32	DAVID TODD & CINDY L. BATES & CHARLES M. THOMAS	27.287
G	58	12-8-17	JACOB WOODROW & MARY JOSEPHINE NICE	85.69
H	59	12-8-1	JACOB WOODROW & MARY JOSEPHINE NICE	20.893
I	510	12-8-1.5	JACOB WOODROW & MARY JOSEPHINE NICE	51.107
J	511	12-8-1.1	JACOB WOODROW & MARY JOSEPHINE NICE	6.171
K	512	12-8-2	R. SHANE & KATHRYN GODDARD	178
L	513	12-8-4.3	BRADY G. & SHARON L. HOWELL	5.59
M	514	12-8-3	R. SHANE & KATHRYN GODDARD	31.13
N	515	12-8-3.1	DOUGLAS & SUZANNE ESTEP	3.25
O	516	12-3-30.1	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E)	81.82
P	517	12-3-39.1	COLLIN S. & MORGAN BATES	1.31
Q	518	12-3-39	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & SUZANNE ESTEP (RAYMOND ESTEP - L/E)	4.69
R	519	12-3-30.2	APRIL ROSE & DONALD ALLEN POSTLETHWAIT	1.67
S	520	12-3-30	MARY ROSE YOHO - L/E; APRIL ROSE POSTLETHWAIT	0.48
T	521	12-3-29	FRIEND V. ESTEP (RAYMOND F. ESTEP - L/E)	2.9
V	522	12-3-14.1	MATTHEW D. HALL	13
W	523	12-3-13	LARRY J. & MARY ANN KIRKLAND	95
X	524	12-3-14	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. UNGER	27
Y	525	12-3-4	MARY HOHMAN ET AL	85
Z	526	12-3-3.1	DIANA & ROBERT L. SMITH	15.78
AA	527	12-3-02	ROBERT LEE & DIANA G. SMITH	2.48
BB	528	5-25-11.2	JAMES W. KLUG	110.491
CC	529	12-3-42	J. M. KLUG	2.617
	530	12-8-20.1	PAUL J. BLAKE	1.5
	531	12-8-20.3	PAUL J. BLAKE	0.25
	532	12-8-20.9	JOSHUA M. & COURTNEY R. NEFF	0.4
	533	12-8-20.8	JOSHUA M. & COURTNEY R. NEFF	0.99
	534	12-8-20.6	JOHN G. & DEBRA D. THROCKMORTON	1.046
	535	12-8-20.5	JOE B. MILLER & GERALD & SUE YEATER	5.44
	536	12-8-4.4	CHARLES & BETTY HUGGINS	0.69
	537	12-8-4.2	BRENT A. & KIMBERLY J. EDDY	1.861
	538	12-8-16.1	BRENT A. & KIMBERLY J. EDDY	0.06
	539	12-8-14	EDWARD C. & SANDRA K. MURRINER	5.33
	540	12-8-13	EDWARD C. & SANDRA K. MURRINER	15
	541	12-3-32.1	TIMOTHY L. & LEA ANN SUMMERS	1.78
	542	12-3-32	TIMOTHY L. SUMMERS	2.32
	543	12-3-30.3	TIMOTHY L. SUMMERS	0.61
	544	12-3-45	ANTIOCH CHURCH	0.774

545	12-3-28	ANTIOCH CHURCH	1
546	12-8-1.1	R. SHANE & KATHRYN GODDARD	92.69
547	12-8-1.2	JOSH GODDARD	1.81
548	12-8-21.1	LARRY J. & MARY ANN KIRKLAND	0.47
549	12-3-13.1	ZACHARY J. KIRKLAND	5
550	12-2-22.1	DAVID A. NICE	54.66
551	12-3-48	RONALD W. & JULIE A. NICE	1
552	12-3-12	RODNEY DEAN JACKSON	3.625
553	12-2-12	BERYLE E. MASON	59.9
554	12-2-13	JAY S. BOOTH; DANIEL T. BOOTH & DIANE BETH OVERDORFF	100
555	12-3-3	ANITA LARELL SLOUGH	1.12
556	12-3-4.2	DEREK L. BAKER	5.21
557	12-3-4.3	JOSEPH P. & BARBARA A. CAIN	3.619
558	12-3-4.8	BRIN HUBBS	0.621
559	12-3-4.7	JOSEPH P. & BARBARA A. CAIN	67.3
560	12-3-4.6	STEVEN P. WAYMAN	1.009
561	12-3-4.5	HAZEL M. BLAIR	0.451
562	12-3-1	JAMES W. KLUG	0.375
563	12-3-43	ADAM W. FERRELL & BRITTANY M. LOY	1.97
564	12-3-49	LOGAN & AMY TAYLOR	3.814
565	12-3-47	WETZEL CO. EMERGENCY AMBULANCE	0.5
566	12-3-44	JAMES A. & JO C. ESTEP	1.1
567	05-25-11.1	EDWARD W. & DIANNA KLUG	2.343
568	05-25-11.4	EDWARD W. KLUG, ET UX	32.787
569	12-2-14.2	JOHN G. JR. & GERALDINE W. ROGERS	22.0007
570	05-25-13.4	PARSONS CEMETERY	0.382
571	05-25-14	ROY F. VOHO	23
572	05-25-1	MICHAEL L. MASON	35.43
573	05-25-13.2	DAVID A. KLUG	5.89
574	05-25-13	WILLIAM M. FERDA, JR. & STEPHANIE L. PALUCKA	16.014
575	05-25-12.1	KENT & BETTY MASON	15
576	05-25-1.5	RYAN J. BRATTON	21.35
577	05-25-2	JAMES W. KLUG	122.3
578	05-25-9	S.D. FERTITTA, ET UX	181.548
579	05-25-3.1	S.D. FERTITTA, ET UX	3.022
580	05-25-10	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	18.75
581	05-25-10.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	5.25
582	12-3-41	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	4.102
583	12-3-11.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	74.138
584	12-3-4.1	TERRY L. & TAMMY J. KIRKLAND, AS TRUSTEES OF THE TERRY & TAMMY KIRKLAND LIVING TRUST	10.5
585	12-3-15	ROBERT W. BAXTER, FREDERICK J. BAXTER & ANN C. UNGER	38
586	12-3-22	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	22.5
587	12-3-30.1	JOAN & MICHAEL J. ESTEP	1.75
588	12-3-33	FRIEND V. ESTEP, MICHAEL & JOAN ESTEP & DOUGLAS & JOAN ESTEP (RAYMOND ESTEP - L/E)	58.32
589	12-8-6	JEREMY S. & ERIN P. GODDARD	25
590	12-8-32.8	DAVID TODD & CINDY L. BATES	36.425
591	12-8-32.5	CHARLES W. THOMAS, JR.	1.309

INSET "B"

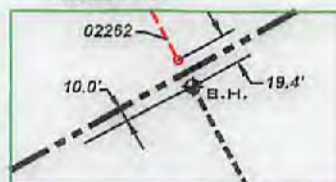


SEE INSET "C"

INSET "A"



INSET "C"



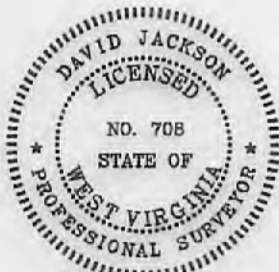
INSET "D"



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
- (O) (FTP) PROPOSED FIRST TAKE POINT
- (O) (LTP) PROPOSED LAST TAKE POINT

02/11/2022



P.S. 708

David L Jackson



**TUG HILL
OPERATING**

OPERATOR'S WELL #: ELMER N-18HU
DISTRICT: Proctor
COUNTY: Wetzel
STATE: WV
API #: 47-103-03467

WELL PLAT
PAGE 2 OF 3
DATE: 12/15/2021

**ELMER LEASE
WELL N-18HU
309.0326± ACRES**

Lease ID	Tag	Parcel	Grantor, Lessor, Etc.	Deed Book/Page	
10*31435	A	12-8-15	HENRY AND NANCY GARNER	55	394
10*31435	B	12-8-16	HENRY AND NANCY GARNER	55	394
10*31435	C	12-8-21.1	HENRY AND NANCY GARNER	55	394
10*31435	D	12-8-22.1	HENRY AND NANCY GARNER	55	394
10*31435	E	12-8-23	HENRY AND NANCY GARNER	55	394
10*31435	F	12-8-32	HENRY AND NANCY GARNER	55	394
FORCE POOL	G	12-8-17	ROY J GODDARD AND DOROTHY GODDARD	47A	197
FORCE POOL	H	12-8-4	ROY J GODDARD AND DOROTHY GODDARD	47A	197
FORCE POOL	I	12-8-4.5	ROY J GODDARD AND DOROTHY GODDARD	47A	197
FORCE POOL	J	12-8-4.1	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	K	12-8-2	HENRY AND NANCY GARNER	55	394
FORCE POOL	L	12-8-4.3	ROY J GODDARD AND DOROTHY GODDARD	47A	197
10*31435	M	12-8-3	HENRY AND NANCY GARNER	55	394
10*31435	N	12-3-31	HENRY AND NANCY GARNER	55	394
10*31435	O	12-3-30.4	HENRY AND NANCY GARNER	55	394
FORCE POOL	P	12-3-39.1	CONKLIN CENTER FOR THE MULTI-HANDICAPPED BLIND, ET AL	NA	NA
FORCE POOL	Q	12-3-39	CHRISTINE DOUVILLE, ET AL	NA	NA
10*31435	R	12-3-30.2	HENRY AND NANCY GARNER	55	394
10*31435	S	12-3-30	HENRY AND NANCY GARNER	55	394
10*31435	T	12-3-29	HENRY AND NANCY GARNER	55	394
10*21681	U	12-3-21	DOROTHY J HAAS, ET AL	214A	358
10*Pending	V	12-3-14.1	ANN C LINGER AND ARTHUR L LINGER	273A	324
10*22229	W	12-3-13	MURIEL A MILLER	204A	150
10*Pending	X	12-3-14	ANN C LINGER AND ARTHUR L LINGER, ET AL	273A	324
10*39463	Y	12-3-4	J P COOPER ET AL	56	245
10*39463	Z	12-3-3.1	J P COOPER ET AL	56	245
10*39463	AA	12-3-2	J P COOPER ET AL	56	245
10*22496	BB	5-25-1.2	JAMES W KLUG	923	543
10*22496	CC	12-3-42	JAMES W KLUG	923	543



P.S.
708

David L Jackson

02/11/2022

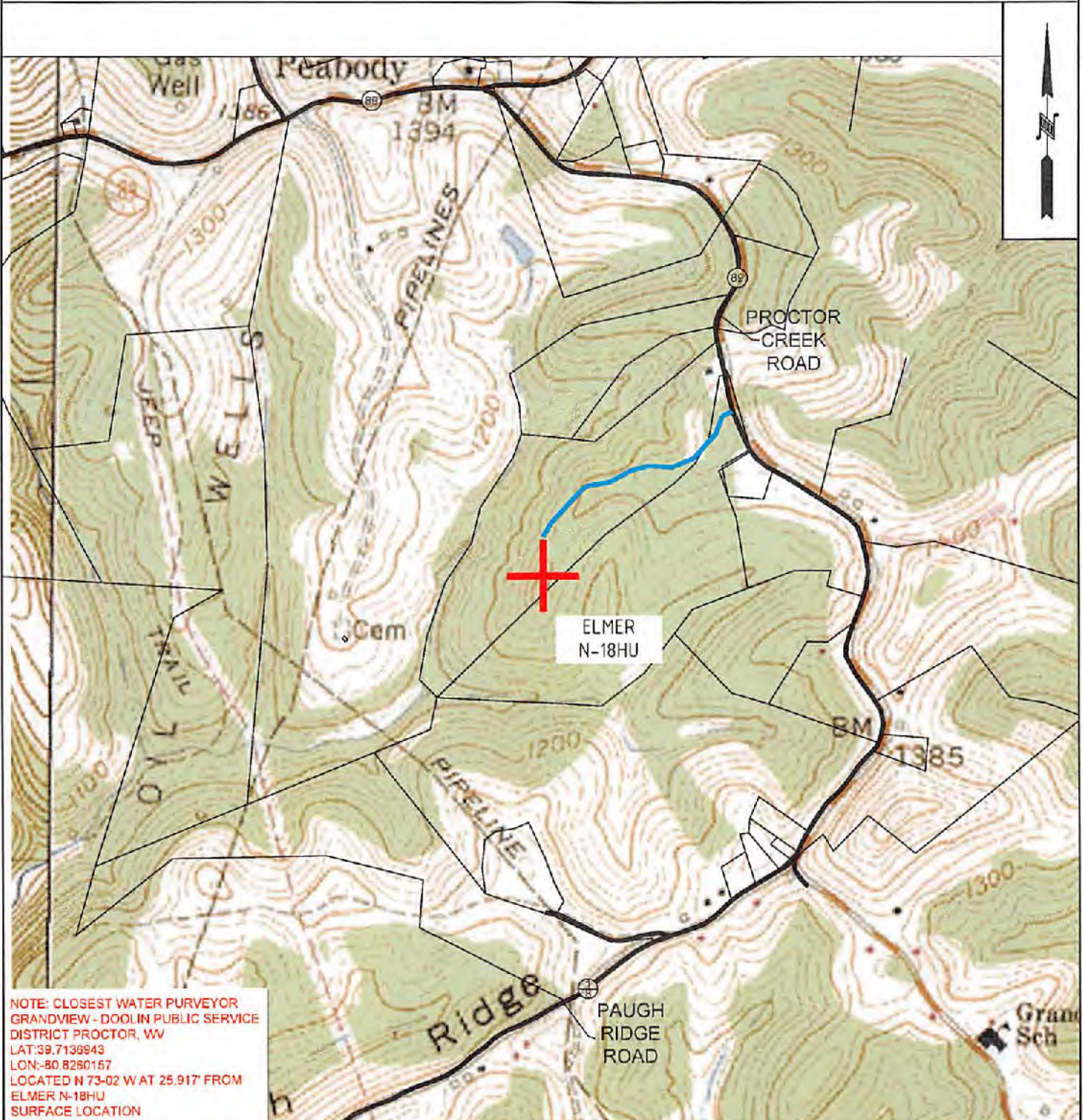


**TUG HILL
OPERATING**

OPERATOR'S
WELL #: ELMER N-18HU
DISTRICT: Proctor
COUNTY: Wetzel
STATE: WV
API #: 47-103-03467

WELL PLAT
PAGE 3 OF 3
DATE: 12/15/2021

PROPOSED ELMER N-18HU



NOTE: CLOSEST WATER PURVEYOR
 GRANDVIEW - DOOLIN PUBLIC SERVICE
 DISTRICT PROCTOR, WV
 LAT:39.7138943
 LON:-80.8280157
 LOCATED N 73-02 W AT 25.917' FROM
 ELMER N-18HU
 SURFACE LOCATION



OPERATOR	494510851
TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317	

TOPO SECTION	WILEYVILLE 7.5'
SCALE:	1" = 1000'

LEASE NAME	ELMER
DATE:	DATE: 10-21-2021

02/11/2022