

**WELLER LEASE
WELL 3HM
670.27± ACRES**

WELLER 3HM

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



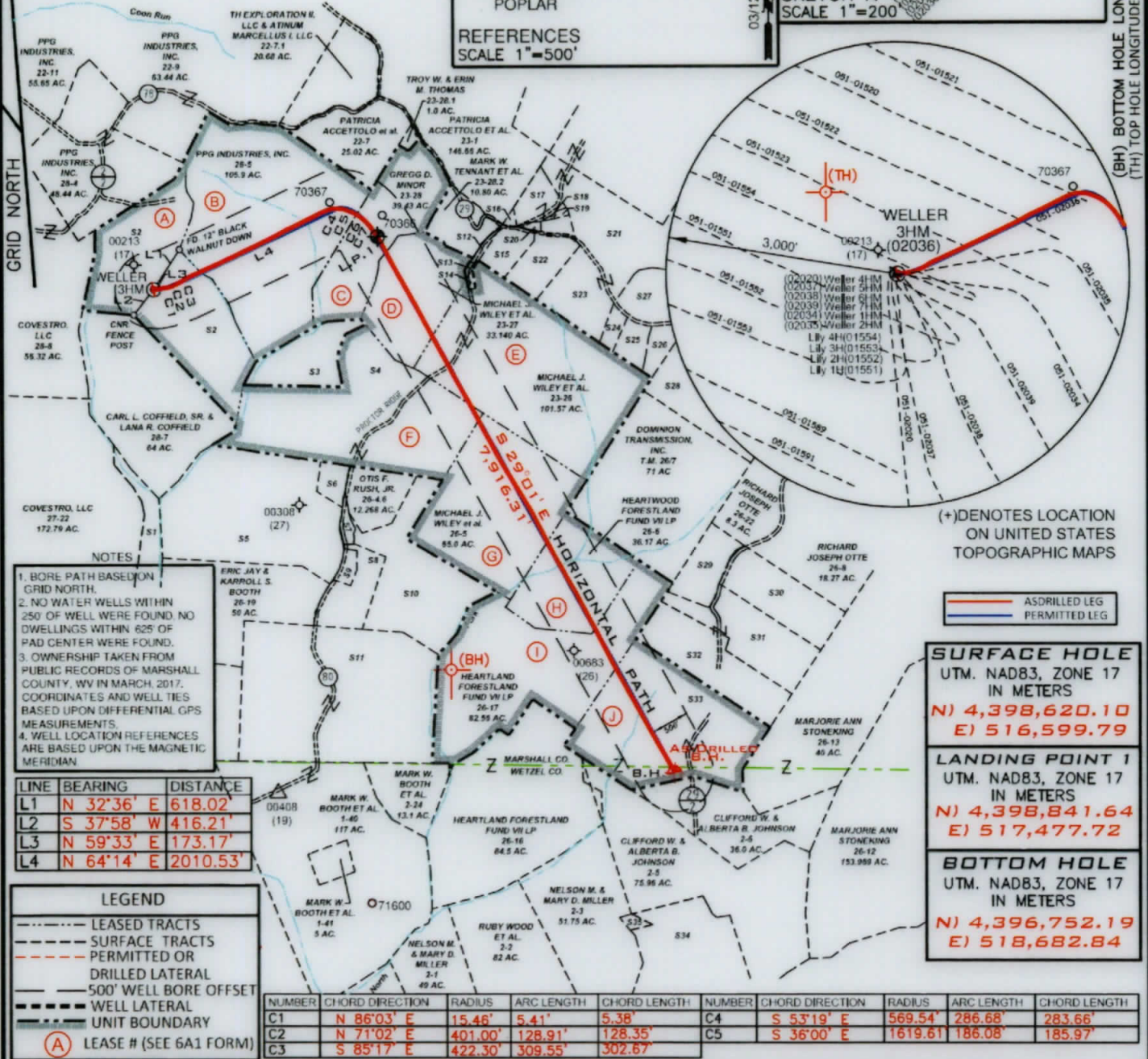
15" YELLOW POPLAR

20" SUGAR MAPLE

REFERENCES
SCALE 1"=500'

DETAIL SKETCH "A"
SCALE 1"=200'

Lily 4H(01554)
Lily 3H(01553)
Lily 2H(01552)
Lily 1H(01551)



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

AS DRILLED LEG
PERMITTED LEG

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,620.10
E) 516,599.79

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,841.64
E) 517,477.72

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,752.19
E) 518,682.84

- 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 MARCH, 2017. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
 - WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN

LINE	BEARING	DISTANCE
L1	N 32°36' E	618.02'
L2	S 37°58' W	416.21'
L3	N 59°33' E	173.17'
L4	N 64°14' E	2010.53'

LEGEND

- LEASED TRACTS
- SURFACE TRACTS
- PERMITTED OR DRILLED LATERAL
- 500' WELL BORE OFFSET
- WELL LATERAL
- UNIT BOUNDARY
- LEASE # (SEE 6A1 FORM)

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH	NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	N 86°03' E	15.46'	5.41'	5.38'	C4	S 53°19' E	569.54'	286.68'	283.66'
C2	N 71°02' E	401.00'	128.91'	128.35'	C5	S 36°00' E	1619.61'	186.08'	185.97'
C3	S 85°17' E	422.30'	309.55'	302.67'					

FILE NUMBER _____

DRAWING NUMBER WELLER_WP_3HM

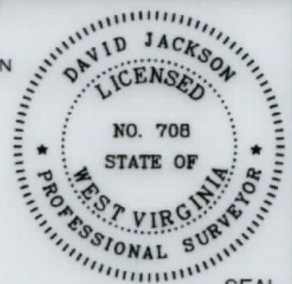
SCALE 1" = 2000'

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

DATE: April 10, 2020

OPERATORS WELL NO. WELLER 3HM

API WELL NO. 47-051-02036

STATE WV COUNTY Marshall PERMIT _____

LOCATION ELEVATION 1272.5' WATERSHED (HUC 10) French Creek - Ohio River

DISTRICT Franklin COUNTY Marshall

QUADRANGLE New Martinsville 7 1/2' LEASE NUMBER SEE WW-6A1 Royalty Owners

SURFACE OWNER Ula F. Nelson ACREAGE 70.0

OIL & GAS ROYALTY OWNER Ula F. Nelson - See WW-6A1 Royalty Owners LEASE ACREAGE 70.0

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY) AS-DRILLED

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,588.12' TMD: 15,594'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER

ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5400 D BIG TYLER ROAD
FORT WORTH, TX 76107 CHARLESTON, WV 25313

**WELLER LEASE
WELL N-3HM
670.27± ACRES**

Number	TAX MAP-PARCEL	SURFACE OWNERS	ACRES
S1	27-23	ROBERT F. ROTHLSBERGER	35.77
S2	28-6	ULA F. NELSON	70.00
S3	26-1	EDWIN BOOTH ANDERSON & MARK W. ANDERSON	12.94
S4	26-2	EDWIN BOOTH ANDERSON & MARK W. ANDERSON	67.50
S5	26-4.5	ERIC JAY BOOTH	74.388
S6	26-4	JAMES R. & MELODY A. ANDERSON	3.887
S7	26-4.2	OTIS S. & GLENDA RUSH	1.58
S8	26-4.1	OTIS S. RUSH ET UX.	12.188
S9	26-4.3	CRYSTAL & RANDOPH F. MATASK	2.253
S10	26-4.4	OTIS F. & GLENDA M. RUSH	39.436
S11	26-18	ERIC JAY BOOTH	94.00
S12	23-23	MICHAEL J. WILEY ET AL	1.00
S13	23-24	MICHAEL J. WILEY ET AL	0.25
S14	23-25	ARTHUR A. WILEY	0.43
S15	23-22	DANIEL D. RHYAND & LAUREL R. GREENE	6.25
S16	23-29	JAMES WILEY	0.25
S17	23-18.1	MARK A. YOHO	7.80
S18	23-20	CHRISTIAN CHURCH	0.20
S19	23-19	DOTY CEMETERY	1.00
S20	23-21	MARK A. YOHO & MARK E. YOHO	0.588
S21	23-18	ABE J. HOCHSTETLER	35.38
S22	23-17.1	CURTIS E. HALL, ET UX	10.051
S23	23-17.2	DICK JR. & CAROL J. ROWAN	14.920
S24	23-17.4	TAMMY D. MEADOWS	2.605
S25	23-17	TAMMY & THOMAS E. BROWN	4.62
S26	23-17.3	WILLIAM & KATHERINE FLEWELLING	5.018
S27	23-16	ROY FRIEND YOHO SR.	18.03
S28	23-14	DOMINION TRANSMISSION INC.	59.50
S29	26-23	RICHARD JOSEPH OTTE	11.34
S30	26-09	THERESA A. WALTON, TRUSTEE OF ROBERT D. & BONNIE L. OLIVER TRUST	21.75
S31	26-10	THERESA A. WALTON, TRUSTEE OF ROBERT D. & BONNIE L. OLIVER TRUST	24.94
S32	26-14	THERESA A. WALTON, TRUSTEE OF ROBERT D. & BONNIE L. OLIVER TRUST	27.56
S33	26-15	THERESA A. WALTON, TRUSTEE OF ROBERT D. & BONNIE L. OLIVER TRUST	69.00
S34	2-4	EDITH SALEM & LISA G. LARSON	56.25
S35	2-4.1	TYRONE SULTZBACH & RICHARD WOLF	1.00

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,619.99
E) 516,599.84

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,843.13
E) 517,474.31

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,750.85
E) 518,681.89



P.S. 708

David L Jackson



**TUG HILL
OPERATING**

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

WELL PLAT
PAGE 2 OF 2
DATE: 04/10/2020
API: 47-051-02036