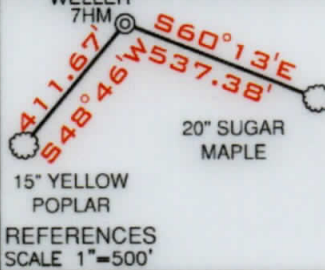


**WELLER LEASE
WELL 7HM
545.232± ACRES**

WELLER 7HM



20" SUGAR MAPLE
15" YELLOW POPLAR

REFERENCES
SCALE 1"=500'

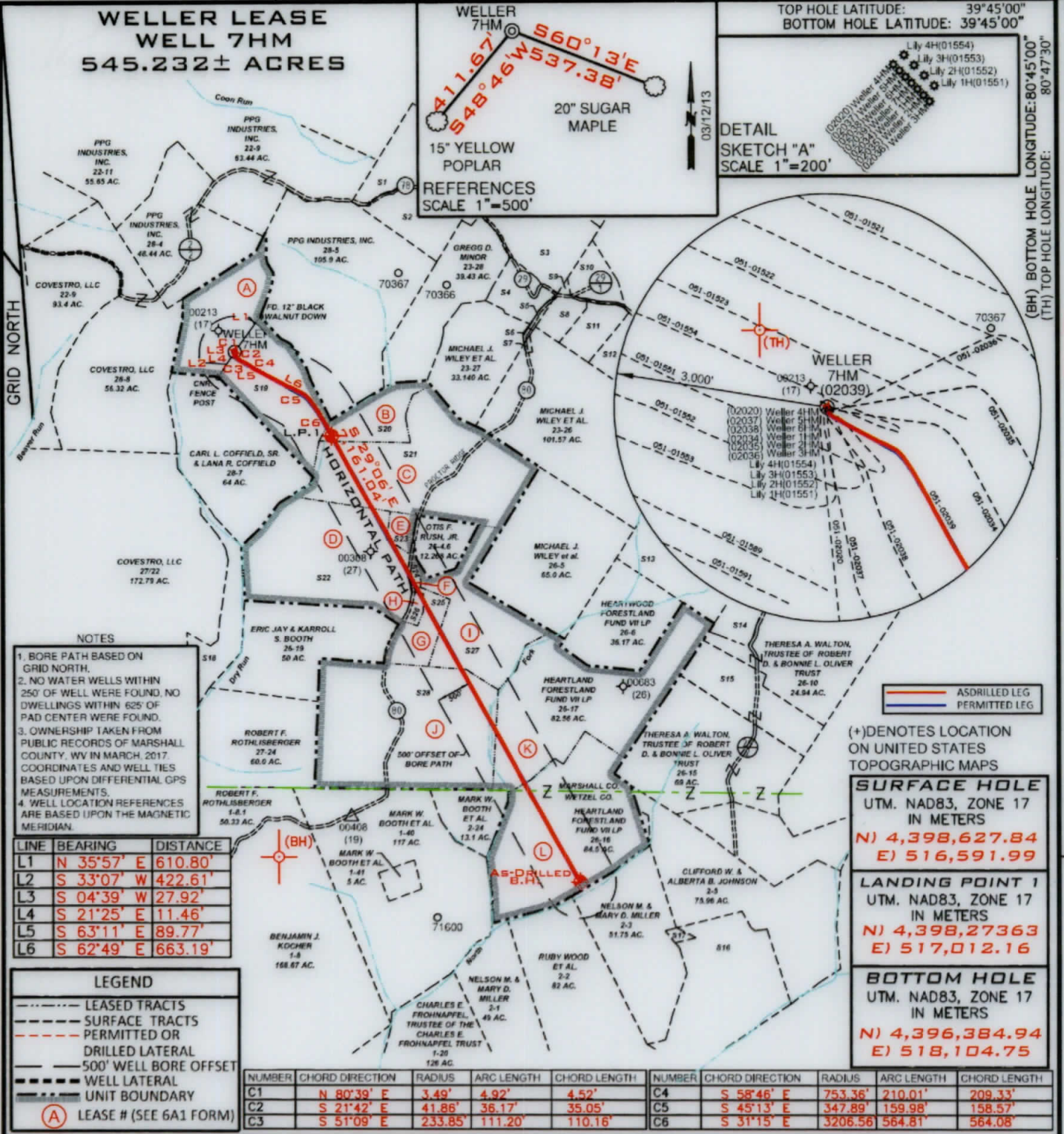
TOP HOLE LATITUDE: 39°45'00"
BOTTOM HOLE LATITUDE: 39°45'00"

DETAIL
SKETCH "A"
SCALE 1"=200'



(BH) BOTTOM HOLE LONGITUDE: 80°45'00"
(TH) TOP HOLE LONGITUDE: 80°47'30"

GRID NORTH



- 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 35°57' E	610.80'
L2	S 33°07' W	422.61'
L3	S 04°39' W	27.92'
L4	S 21°25' E	11.46'
L5	S 63°11' E	89.77'
L6	S 62°49' E	663.19'

LEGEND

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

NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH	NUMBER	CHORD DIRECTION	RADIUS	ARC LENGTH	CHORD LENGTH
C1	N 80°39' E	3.49'	4.92'	4.52'	C4	S 58°46' E	753.36'	210.01'	209.33'
C2	S 21°42' E	41.86'	36.17'	35.05'	C5	S 45°13' E	347.89'	159.98'	158.57'
C3	S 51°09' E	233.85'	111.20'	110.16'	C6	S 31°15' E	3206.56'	564.81'	564.08'

SURFACE HOLE
UTM, NAD83, ZONE 17
IN METERS
N) 4,398,627.84
E) 516,591.99

LANDING POINT 1
UTM, NAD83, ZONE 17
IN METERS
N) 4,398,273.63
E) 517,012.16

BOTTOM HOLE
UTM, NAD83, ZONE 17
IN METERS
N) 4,396,384.94
E) 518,104.75

FILE NUMBER _____

DRAWING NUMBER WELLER_WP_7HM

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
304-623-5851



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

DATE: APRIL 21, 2020

OPERATORS WELL NO. WELLER 7HM

API WELL NO. 47-051-02039

STATE WV COUNTY MARSHALL PERMIT _____

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

LOCATION ELEVATION 1272.6' WATERSHED (HUC 10) French Creek - Ohio River

DISTRICT Franklin COUNTY Marshall

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

SURFACE OWNER Ula F. Nelson ACREAGE 70.0

OIL & GAS ROYALTY OWNER Ula F. Nelson 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: 6,549.47' TMD: 14,285'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER
1320 SOUTH UNIVERSITY DRIVE, SUITE 500 CT CORPORATION SYSTEM
ADDRESS FORT WORTH, TX 76107 ADDRESS 5400 D BIG TYLER ROAD
CHARLESTON, WV 25313

COUNTY NAME
PERMIT

**WELLER LEASE
WELL N-7HM
545.232± ACRES**

Number	TAX MAP-PARCEL	ADJOINER OWNER	ACRES
S1	22-7.1	TH EXPLORATION II, LLC & ATINUM MARCELLUS I, LLC	21.68
S2	22-7	PATRICIA ACETTOLO ET AL.	25.02
S3	23-1	PATRICIA ACETTOLO ET AL.	146.66
S4	23-28.2	MARK W. TENNANT ET AL.	10.80
S5	23-23	MICHAEL J. WILEY ET AL	1.00
S6	23-24	MICHAEL J. WILEY ET AL	0.25
S7	23-25	ARTHUR A. WILEY	0.43
S8	23-22	DANIEL D. RHYAND & LAUREL R. GREENE	6.25
S9	23-29	JAMES WILEY	0.25
S10	23-18.1	MARK A. YOHO	7.80
S11	23-17.1	CURTIS E. HALL ET UX	10.051
S12	23-17.2	DICK JR. & CAROL J. ROWAN	14.920
S13	26-7	DOMINION TRANSMISSION, INC.	71.00
S14	26-23	RICHARD JOSEPH OTTE	11.34
S15	26-14	THERESA A. WALTON, TRUSTEE OF ROBERT D. & BONNIE L. OLIVER TRUST	27.56
S16	2-4	EDITH SALEM & LISA G. LARSON	56.25
S17	2-4.1	TYRONE SULTZBACH & RICHARD WOLF	1.00
S18	27-23	ROBERT F. ROTHLSBERGER	35.77
S19	28-6	ULA F. NELSON	70.00
S20	26-1	EDWIN BOOTH ANDERSON & MARK W. ANDERSON	12.94
S21	26-2	EDWIN BOOTH ANDERSON & MARK W. ANDERSON	67.50
S22	26-4.5	ERIC JAY BOOTH	74.388
S23	26-4	JAMES R. & MELODY A. ANDERSON	3.887
S24	26-4.2	OTIS S. & GLENDA RUSH	1.58
S25	26-4.1	OTIS S. RUSH ET UX.	12.188
S26	26-4.3	CRYSTAL & RANDOPH F. MATASK	2.253
S27	26-4.4	OTIS F. & GLENDA M. RUSH	39.436
S28	26-18	ERIC JAY BOOTH	94.00

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,627.68
E) 516,592.02

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,310.60
E) 516,989.87

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,380.37
E) 518,104.29



P.S. 708

David L Jackson



**TUG HILL
OPERATING**

OPERATOR'S

API #: 47-051-02039
WELL #: Weller 7HM
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT

PAGE 2 OF 2
DATE: 04/21/2020