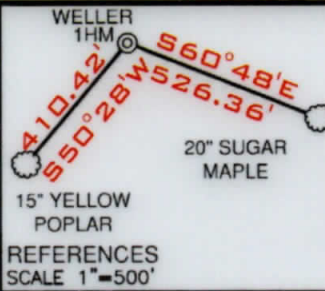
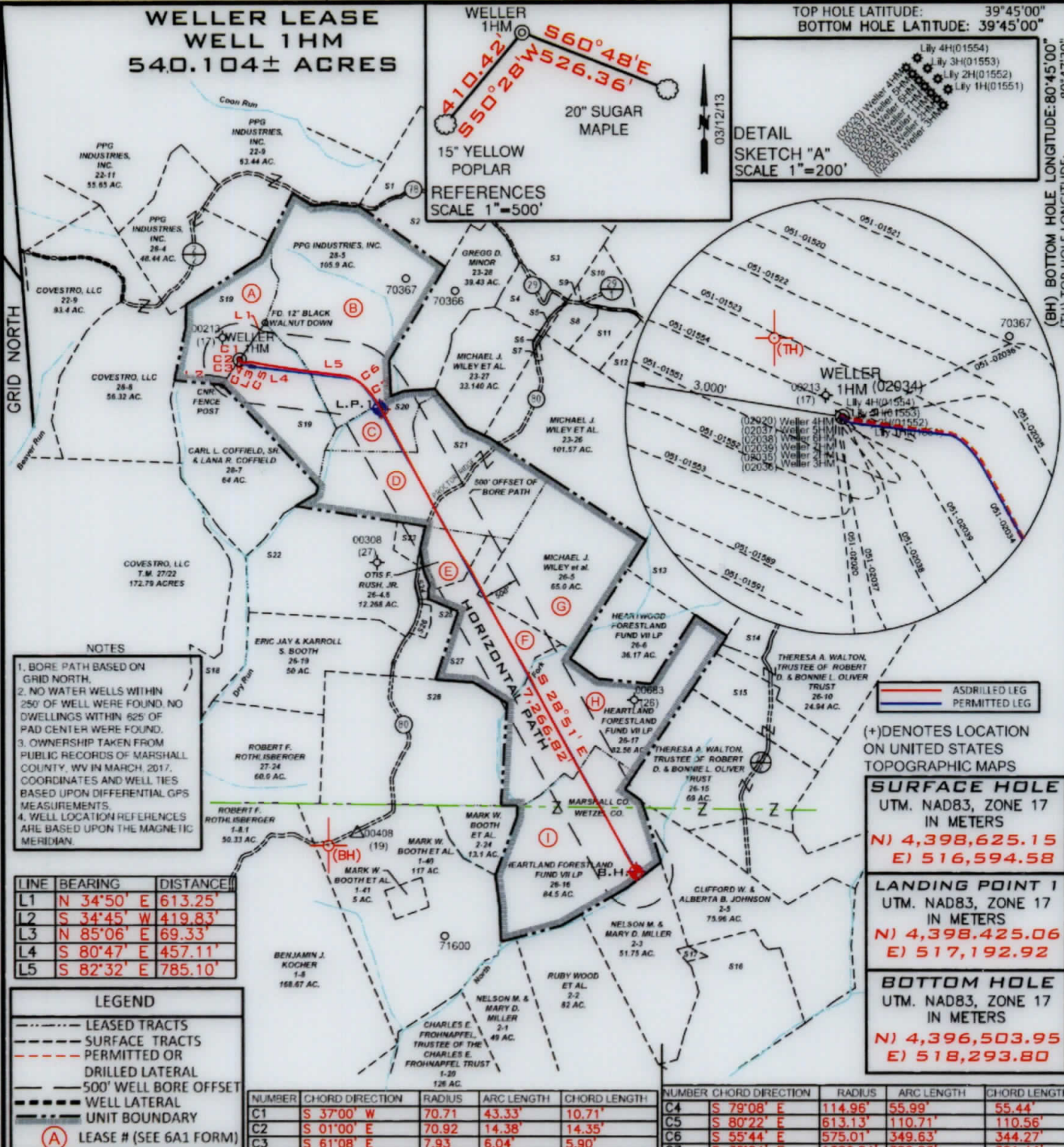


WELLER LEASE WELL 1HM 540.104± ACRES



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 34°50' E	613.25'
L2	S 34°45' W	419.83'
L3	N 85°06' E	69.33'
L4	S 80°47' E	457.11'
L5	S 82°32' E	785.10'

LEGEND

- LEASE 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
C1	S 37°00' W	70.71	43.33'	10.71'
C2	S 01°00' E	70.92	14.38'	14.35'
C3	S 61°08' E	7.93	6.04'	5.90'
C4	S 79°08' E	114.96'	55.99'	55.44'
C5	S 80°22' E	613.13'	110.71'	110.56'
C6	S 55°44' E	575.01'	349.63'	344.27'
C7	S 35°24' E	1326.24'	322.23'	321.44'

SURFACE HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,625.15
E) 516,594.58

LANDING POINT 1
UTM. NAD83, ZONE 17
IN METERS
N) 4,398,425.06
E) 517,192.92

BOTTOM HOLE
UTM. NAD83, ZONE 17
IN METERS
N) 4,396,503.95
E) 518,293.80

FILE NUMBER _____

DRAWING NUMBER WELLER_WP_1HM

SCALE 1" = 2000'

MINIMUM DEGREE OF ACCURACY 1/200

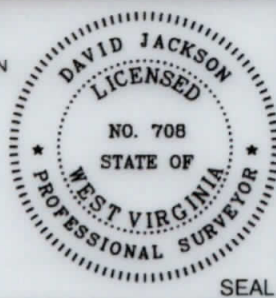
PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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



DATE: APRIL 08, 2020

OPERATORS WELL NO. WELLER 1HM

API WELL NO. 47-051-02034

STATE COUNTY PERMIT

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

PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH TVD: 6,570.42' TMD: 14,479'

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

COUNTY NAME PERMIT

**WELLER LEASE
WELL N-1HM
540.104± ACRES**

Number	TAX MAP -PARCEL	ADJOINER OWNER	ACRES
S1	22-7.1	XCL MIDASTREAM OPERATING, LLC & ATINUM MARCELLUS I. LLC	21.68
S2	22-7	PATRICIA ACCETTOLO ET AL.	25.02
S3	23-1	PATRICIA ACCETTOLO 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	MICHEAL JAMES WILEY & MICHELLE E. BAKER	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 AND LINDA D. DUNLAP, TRUSTEES OF THE ULA F. NELSON & LINDA D. DUNLAP LIVING TRUST DATED JULY 9, 2019	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) 4,397,063.62
E) 517,709.71



P.S. 708

David L Jackson



**TUG HILL
OPERATING**

OPERATOR'S
WELL #: 1HM - 47-051-02034
DISTRICT: Franklin
COUNTY: Marshall
STATE: WV

WELL PLAT
PAGE 2 OF 2
DATE: 04/08/2020