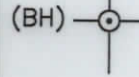
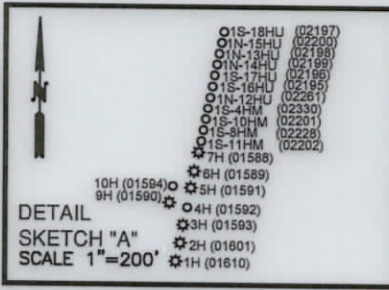
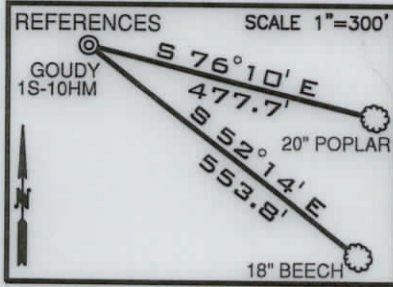


**GOUDY LEASE  
WELL 1S-10HM  
781.6183± ACRES**

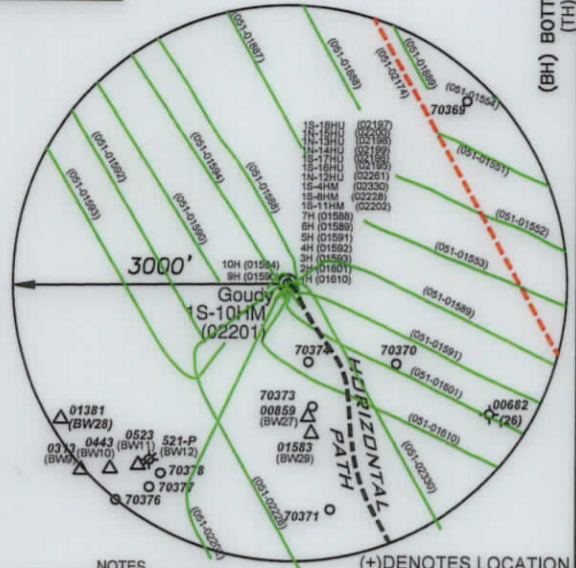
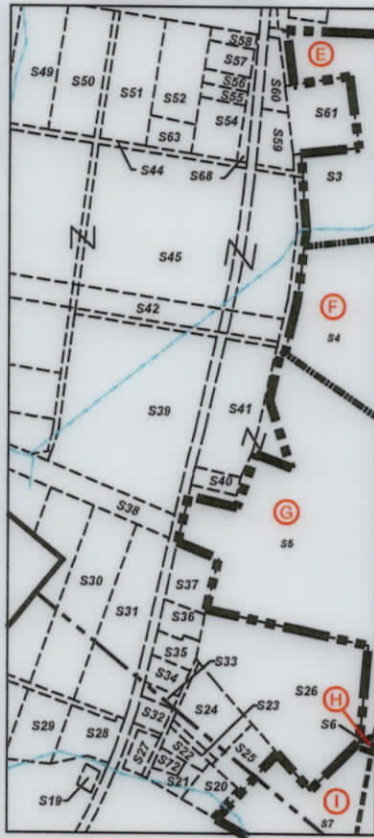
TOP HOLE LATITUDE: 39°45'00"  
BOTTOM HOLE LATITUDE: 39°42'30"



(BH) BOTTOM HOLE LONGITUDE: 80°47'30"  
(TH) TOP HOLE LONGITUDE: 80°47'30"  
(BH) 2,411'  
(TH) 4,748'

<b>SURFACE HOLE</b> UTM. NAD83, ZONE 17 IN METERS N) 4,398,583.47 E) 514,678.53
<b>LANDING POINT 1</b> UTM. NAD83, ZONE 17 IN METERS N) 4,397,902.06 E) 514,999.32
<b>AZIMUTH POINT 1</b> UTM. NAD83, ZONE 17 IN METERS N) 4,397,824.64 E) 515,006.10
<b>AZIMUTH POINT 2</b> UTM. NAD83, ZONE 17 IN METERS N) 4,397,464.02 E) 515,119.86
<b>BOTTOM HOLE</b> UTM. NAD83, ZONE 17 IN METERS N) 4,394,675.55 E) 516,730.96

**Detail "A"  
SCALE 1"=1000'**



(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

**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 MARSHALL COUNTY, WV IN MARCH, 2019. COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS.
4. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.
5. BOUNDARIES ALONG ROADWAYS ARE BASED UPON MEMORANDUM BY DICKIE, MCCAMEY & CHILCOTE, P.C. FILE 0058304.0401147

LINE	BEARING	DISTANCE
L1	N 11°54' W	2277.52'
L2	S 52°31' E	1756.43'
L3	S 59°02' E	70.77'
L4	S 34°03' E	643.00'
L5	S 06°03' E	90.03'
L6	S 04°03' E	358.41'
L7	S 04°03' E	255.06'
L8	S 29°04' E	10569.30'

CURVE	CHORD BEARING	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 41°47' E	89.24'	426.18'	89.41'
C2	S 25°47' E	119.29'	620.80'	119.48'
C3	S 26°35' E	270.25'	1,665.59'	270.55'
C4	S 32°24' E	230.50'	3,678.87'	230.54'
C5	S 20°03' E	572.96'	1,184.53'	578.70'
C6	S 04°58' E	89.17'	2,587.85'	89.18'
C7	S 16°33' E	1,241.03'	2,864.90'	1,250.94'

**LEGEND**

- LEASE TRACTS
- - - SURFACE TRACTS
- - - WELL LATERAL
- - - POINT PLEASANT LEGS
- - - MARCELLUS LEGS
- UNIT BOUNDARY
- (A) LEASE # (SEE 6A1 FORM)

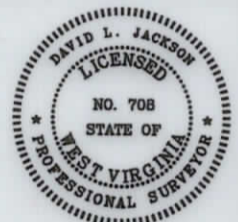
FILE NUMBER \_\_\_\_\_  
DRAWING NUMBER **GOUDY\_1S-10HM\_REVS**  
SCALE **1" = 2000'**  
MINIMUM DEGREE OF ACCURACY **1/200**  
PROVEN SOURCE OF ELEVATION **SUBMETER MAPPING**  
**GRADE GPS**

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



SEAL

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

DATE: **MARCH 25, 2019**  
REVISED: **FEBRUARY 02, 2021**  
OPERATORS WELL NO. **GOUDY 1S-10HM**  
API WELL NO. **47-051-02201**  
STATE COUNTY PERMIT

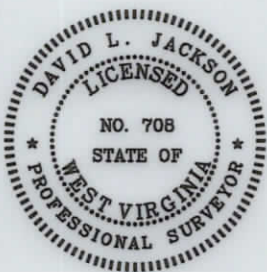
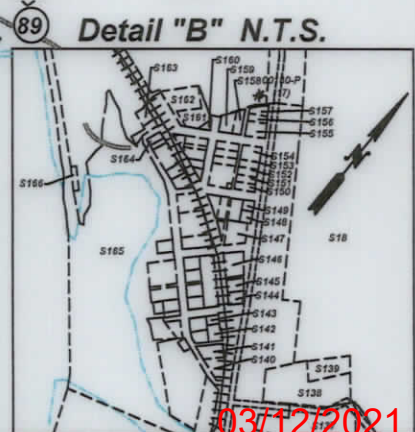
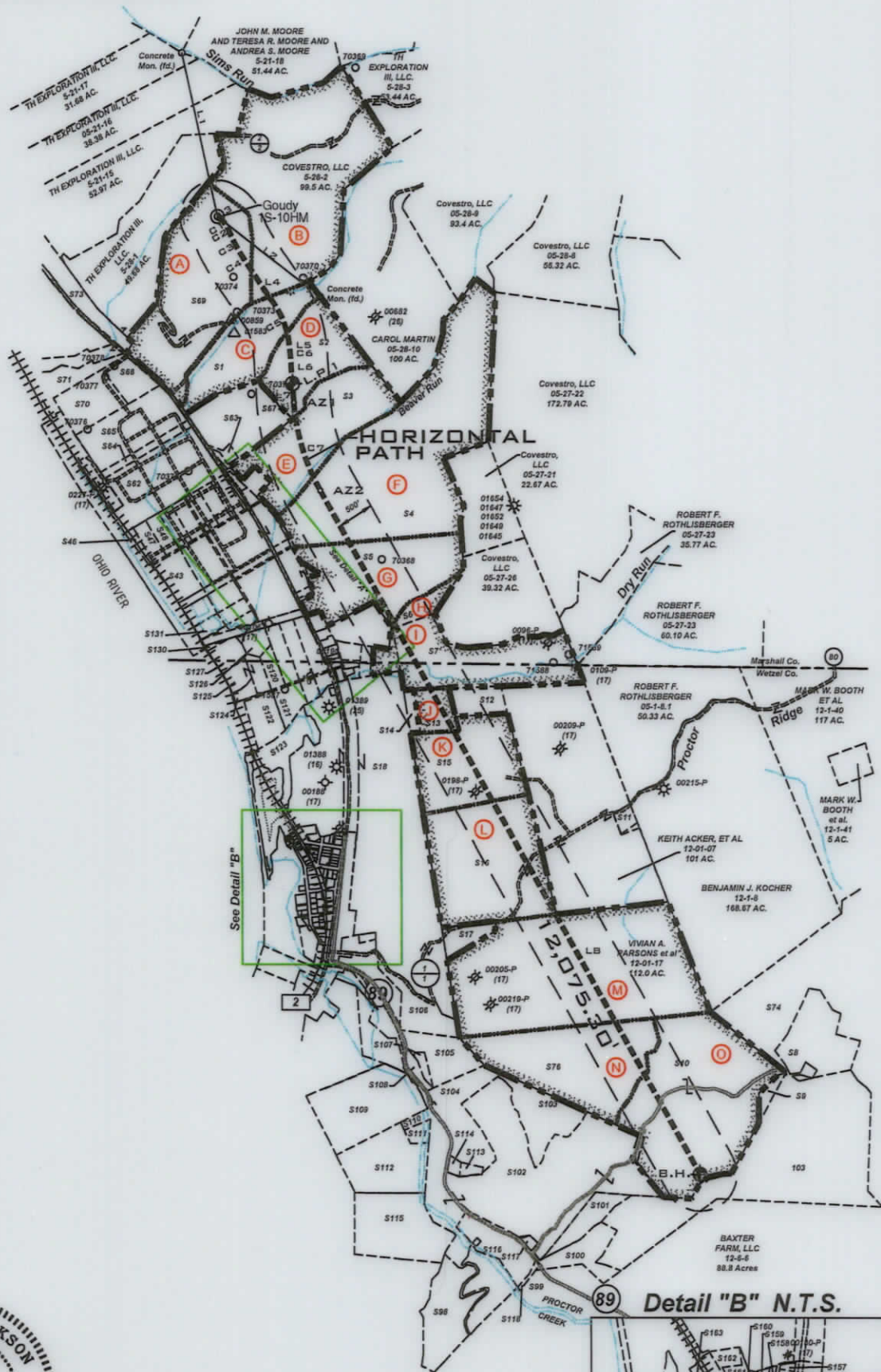
WELL TYPE: OIL \_\_\_ GAS **X** LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION **X** STORAGE \_\_\_ DEEP \_\_\_ SHALLOW **X**

LOCATION ELEVATION **1242.0'** WATERSHED (HUC 10) **FRENCH CREEK - OHIO RIVER**  
DISTRICT **FRANKLIN** COUNTY **MARSHALL**  
QUADRANGLE **NEW MARTINSVILLE 7.5'** LEASE NUMBER **SEE WW-6A1 FORM**

SURFACE OWNER **TH EXPLORATION III, LLC.** ACREAGE **03/12/2021**  
OIL & GAS ROYALTY OWNER **PPG INDUSTRIES, INC., ET AL. THEIR SUCCESSORS OR ASSIGNS.** LEASE ACREAGE **70.0**  
PROPOSED WORK: DRILL **X** CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE **X** PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_  
PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
TARGET FORMATION **Marcellus** ESTIMATED DEPTH **TVD 6,530' TMD: 19,419'**  
WELL OPERATOR **TUG HILL OPERATING, LLC** DESIGNATED AGENT **DIANNA STAMPER**  
**CT CORPORATION SYSTEM**  
ADDRESS **1320 SOUTH UNIVERSITY DRIVE, SUITE 500** ADDRESS **5400 D BIG TYLER ROAD**  
**FORT WORTH, TX 76107** **CHARLESTON, WV 25313**

# GOUDY LEASE WELL 1S-10HM 781.6183± ACRES

GRID NORTH



P.S. 708

*David L Jackson*

Scale  
1" = 2000'

03/12/2021



## TUG HILL OPERATING

OPERATOR'S  
WELL #: Goudy 1S-10HM  
DISTRICT: Franklin  
COUNTY: Marshall  
STATE: WV  
API # 47-051-02201

WELL PLAT  
PAGE 2 OF 4  
DATE: 03/25/2019  
REVISED: 02/02/2021