

# WOODFORD LEASE WELL 10HU 636.4012± ACRES

(BH) 8,673' (TH) 5,748'

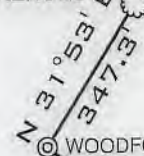
TOP HOLE LATITUDE: 39°50'00"  
BOTTOM HOLE LATITUDE: 39°47'30"

DETAIL  
SKETCH "A"  
SCALE 1"=100'

REFERENCES

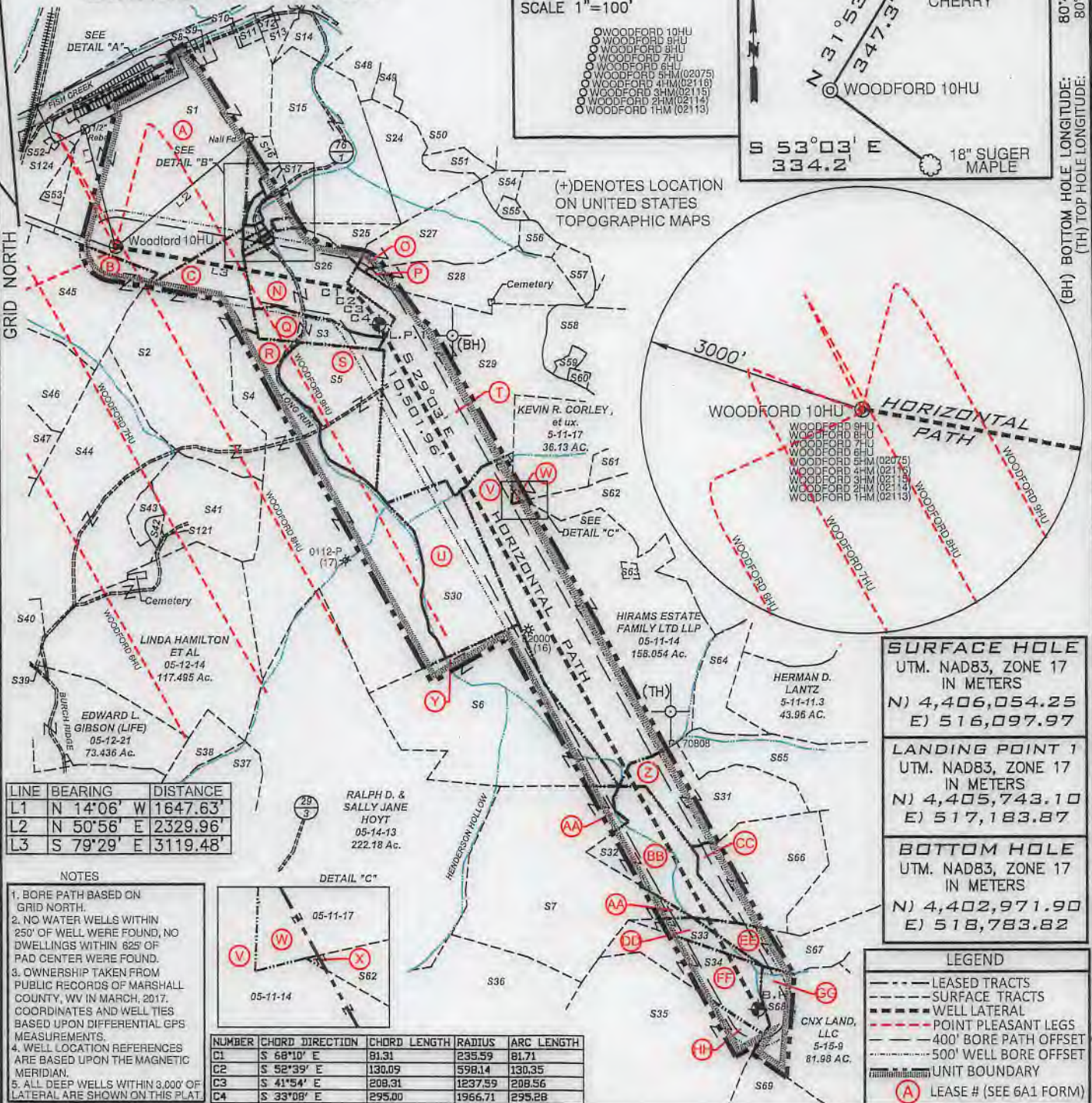
SCALE 1"=400'

20" BLACK CHERRY



18" SUGER MAPLE

(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS



**SURFACE HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,406,054.25  
E) 516,097.97

**LANDING POINT 1**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,405,743.10  
E) 517,183.87

**BOTTOM HOLE**  
UTM. NAD83, ZONE 17  
IN METERS  
N) 4,402,971.90  
E) 518,783.82

**LEGEND**  
- - - LEASE TRACTS  
- - - SURFACE TRACTS  
- - - WELL LATERAL  
- - - POINT PLEASANT LEGS  
- - - 400' BORE PATH OFFSET  
- - - 500' WELL BORE OFFSET  
- - - UNIT BOUNDARY  
A LEASE # (SEE 6A1 FORM)

- NOTES**
- BORE PATH BASED ON GRID NORTH.
  - NO WATER WELLS WITHIN 250' OF WELL WERE FOUND, NO DWELLINGS WITHIN 825' 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.
  - ALL DEEP WELLS WITHIN 3,000' OF LATERAL ARE SHOWN ON THIS PLAT.



NUMBER	CHORD DIRECTION	CHORD LENGTH	RADIUS	ARC LENGTH
C1	S 68°10' E	81.31	235.59	81.71
C2	S 52°39' E	130.09	598.14	130.35
C3	S 41°54' E	208.31	1237.59	208.56
C4	S 33°08' E	295.00	1966.71	295.28

FILE NUMBER \_\_\_\_\_

DRAWING NUMBER WOODFORD\_10HU\_REV1

SCALE 1" = 2000'

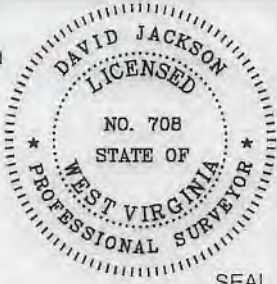
MINIMUM DEGREE OF ACCURACY 1/200

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*

P.S. 708



JACKSON SURVEYING INC.  
P.O. Box 1460  
Clarksburg, WV 26302  
304-823-5851



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

DATE: DECEMBER 14, 2018

REVISED DATE: JANUARY 04, 2019

OPERATORS WELL NO. Woodford 10HU

API WELL NO. \_\_\_\_\_

47-051-02152 H6A

STATE COUNTY PERMIT

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

LOCATION ELEVATION 1233.51' WATERSHED (HUC 10) FRENCH CREEK - OHIO RIVER

DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER SEE WW-6A1 Form

SURFACE OWNER CNX LAND, LLC ACREAGE 155.7119

OIL & GAS ROYALTY OWNER HG ENERGY II APPALACHIA LC (TRACT 5-7-43) LEASE ACREAGE 155.7119

PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_  
PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_\_\_

TARGET FORMATION POINT PLEASANT ESTIMATED DEPTH TVD: 11,350' TMD: 22,704'

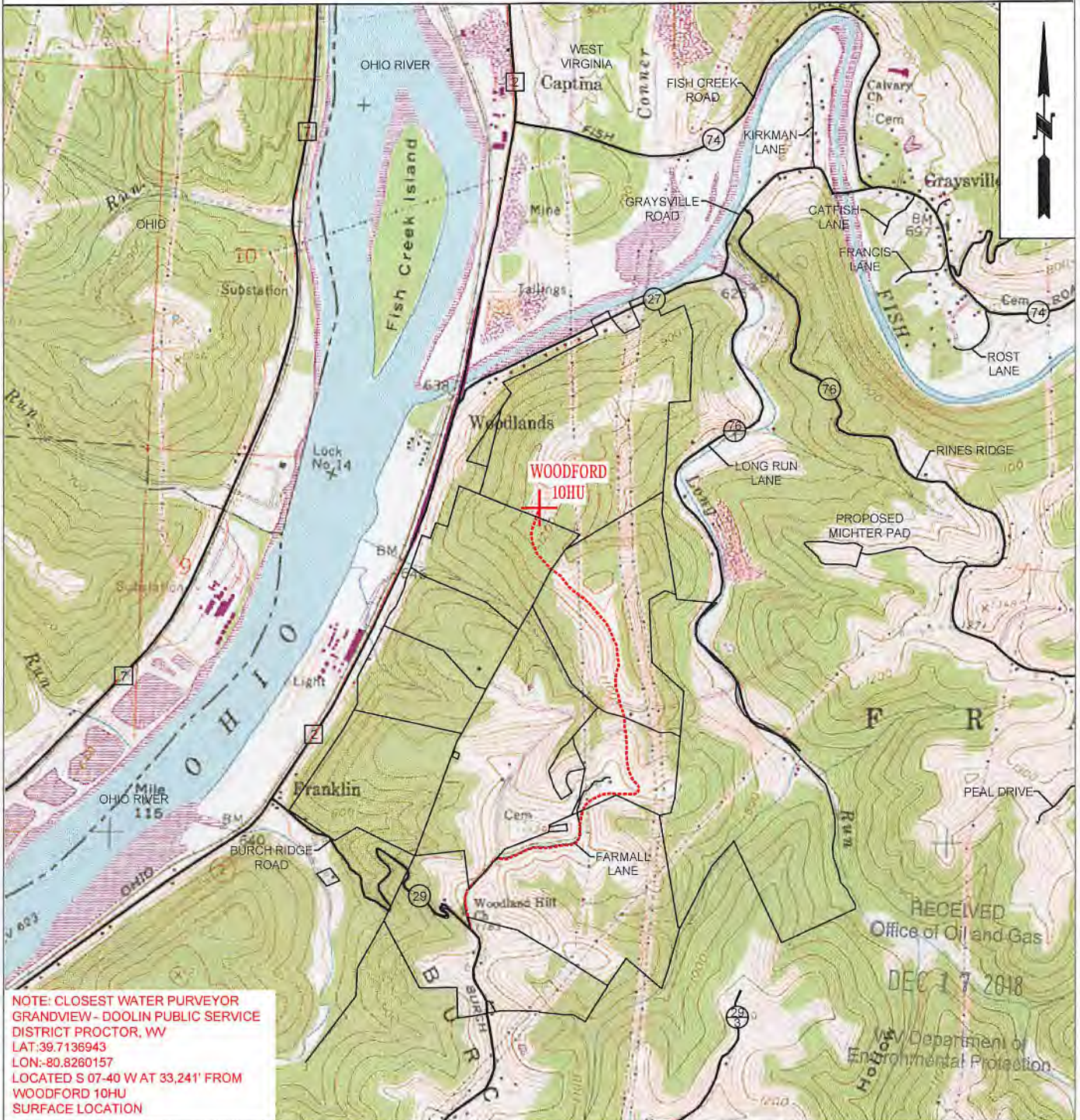
WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER  
CT CORPORATION SYSTEM

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

WW-9


# PROPOSED WOODFORD 10HU

SUPPLEMENT PG 2



NOTE: CLOSEST WATER PURVEYOR  
GRANDVIEW - DOOLIN PUBLIC SERVICE  
DISTRICT PROCTOR, WV  
LAT: 39.7136943  
LON: -80.8260157  
LOCATED S 07-40 W AT 33,241' FROM  
WOODFORD 10HU  
SURFACE LOCATION

RECEIVED  
Office of Oil and Gas  
DEC 17 2018  
WV Department of  
Environmental Protection

 <b>TUG HILL OPERATING</b>	OPERATOR	494510851	TOPO SECTION	LEASE NAME
	TUG HILL OPERATING, LLC 380 SOUTHPOINTE BLVD SUITE 200 CANONSBURG, PA 15317		POWHATAN POINT 7.5'	WOODFORD
			SCALE: 1" = 2000'	DATE: DATE: 07-27-2018