

(BOT. HL: LON:-80°29'48.0")

LON:-80°29'52.4"

11200

LAT: 39°17'30"

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- W.F. WILLIAMS 131

LON: 80°27'30" 7295
LAT: 39°16'17.9" (BOTTOM HOLE: LAT:39°16'20.2")

SURVEY NOTES

1 - Well ties and Latitude and Longitude were measured by Topcon Hiper GA survey grade GPS. Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1927).

2 - Surface owners, adjoining information, Lease names, & line mapping obtained from HGE GIS system. No survey was performed to determine lines within the Waterflood Unit-reference: HGE GIS system.

3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete title Opinion.

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,347,052m. E-543,327m.
Bottom Hole	N-4,347,123m. E-543,433m.

LOCATION REFERENCES	
UTM 27	N 4°37' W 47.4' EX: WELL N 72°58' W 120.1' 11" MAPLE Brq. Direction is prop. well to the ref.



+ DENOTES LOCATION OF WELL ON U.S. TOPO MAPS.

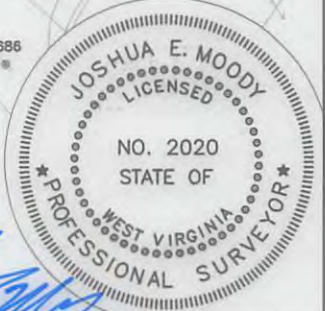
JOB # 13-014
 DRAWING # 13LAKEFLOYD FOLDER
 SCALE 1" = 1500'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEV. BENCH MARK H-80

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 REGULATIONS ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



WEST VIRGINIA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,
OFFICE OF OIL AND GAS

MOODY LAND SURVEYING, LLC
ST. MARYS, WV 26170



JOSHUA E. MOODY, P.S. 2020

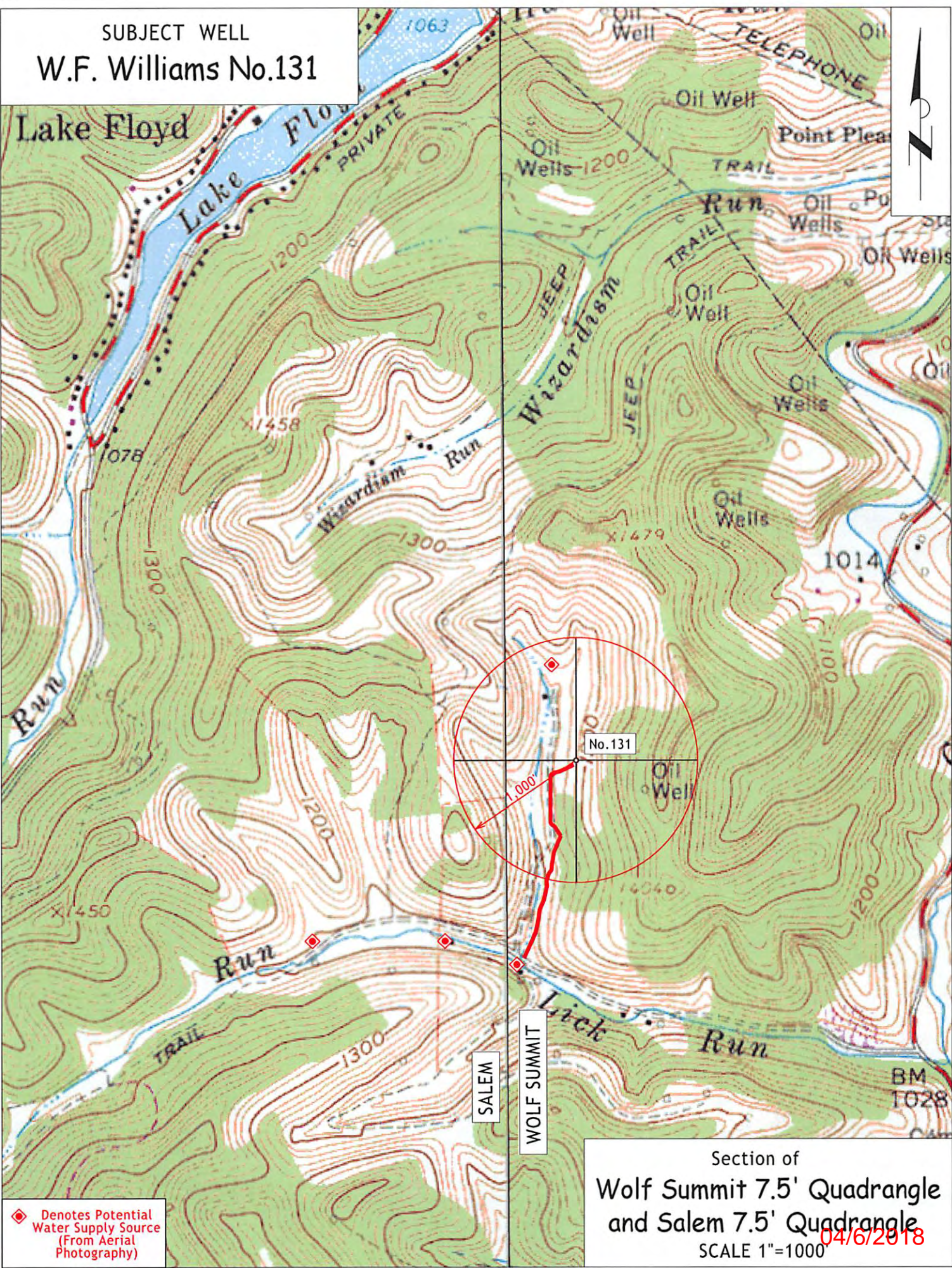
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1173' WATERSHED BRANCH OF LICK RUN API WELL # 47-033-057565
 DISTRICT TEN MILE COUNTY HARRISON STATE WEST VIRGINIA COUNTY HARRISON PERMIT 057565
 QUADRANGLE WOLF SUMMIT 7.5'

SURFACE OWNER BRIAN V. HUFFMAN ACREAGE 102.35 ACRES +/-
 OIL & GAS ROYALTY OWNER CLYDE WILLIAMS ET AL LEASE ACREAGE 102 ACRES +/-
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) WILL BE DRILLED DIRECTIONALLY (N 56° E 420')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION 5TH SAND ESTIMATED DEPTH MD= 3,100'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT MIKE KIRSCH
 ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

04/6/2018

SUBJECT WELL
W.F. Williams No.131



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Section of
 Wolf Summit 7.5' Quadrangle
 and Salem 7.5' Quadrangle
 SCALE 1"=1000
 04/6/2018