

(BOTTOM HOLE: LON:-80°30'04.6")

LON:-80°30'02.6" 205

LAT: 39°17'30"

# MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- W.F. WILLIAMS 136

**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).

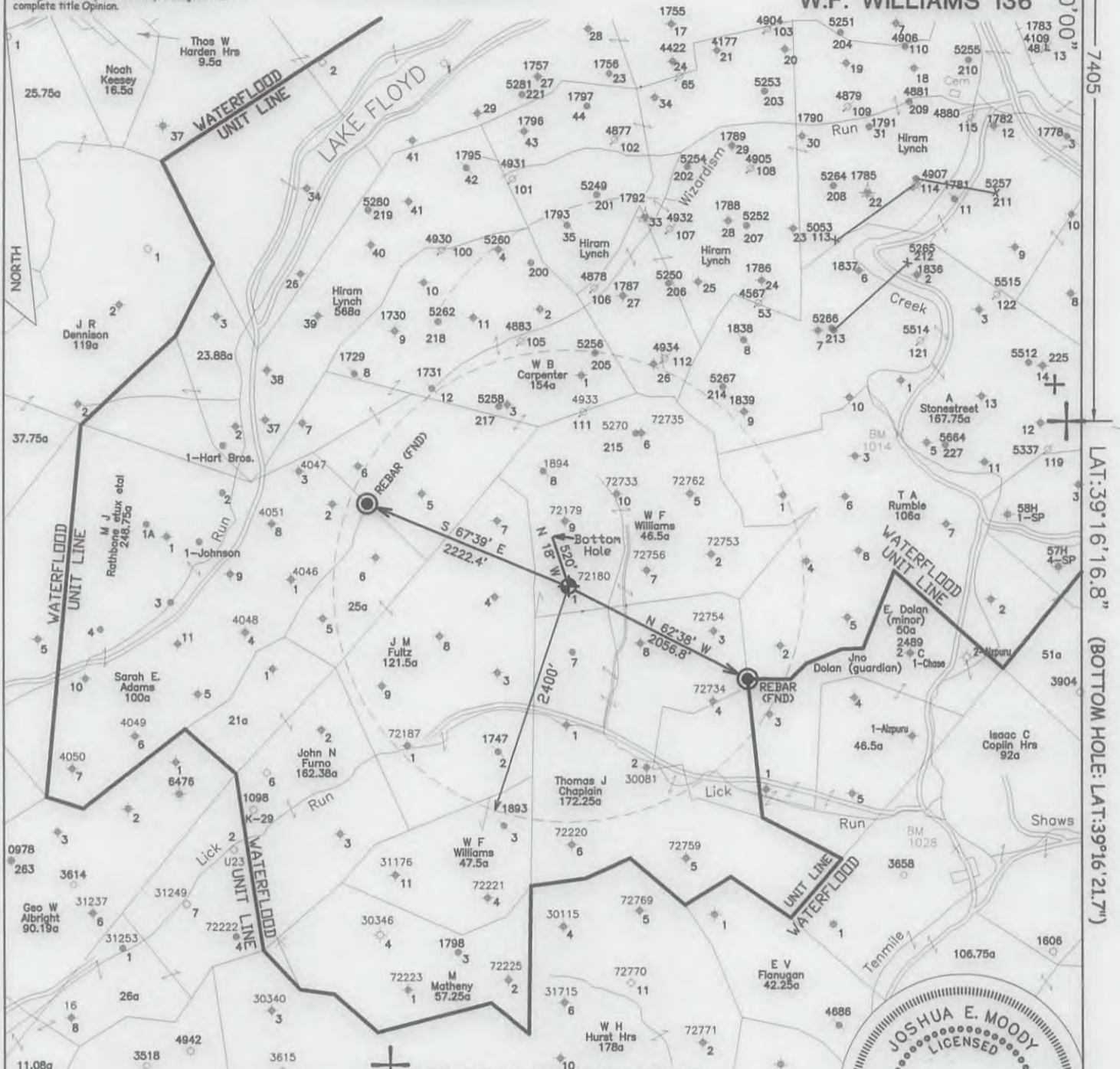
2 - Surface owners, adjoining information, Lease names, & line mapping obtained from HGE GIS system. No survey was performed to determine lines within the Waterflood Unit-reference: HGE GIS system.

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-4,347,017m. E-543,083m.
Bottom Hole	N-4,347,168m. E-543,034m.

**LOCATION REFERENCES**

UTM 27  
N 59°51' E 38.9' EX: WELL  
N 53°00' W 165.6' SPIKE @ T-POST  
Brg. Direction is prop. well to the ref.



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

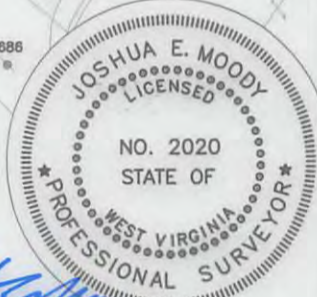
JOB # 13-014  
DRAWING # 13LAKEFLOYD FOLDER  
SCALE 1" = 1500'  
MINIMUM DEGREE OF ACCURACY 1/2500  
PROVEN SOURCE OF ELEV. BENCH MARK H-80

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

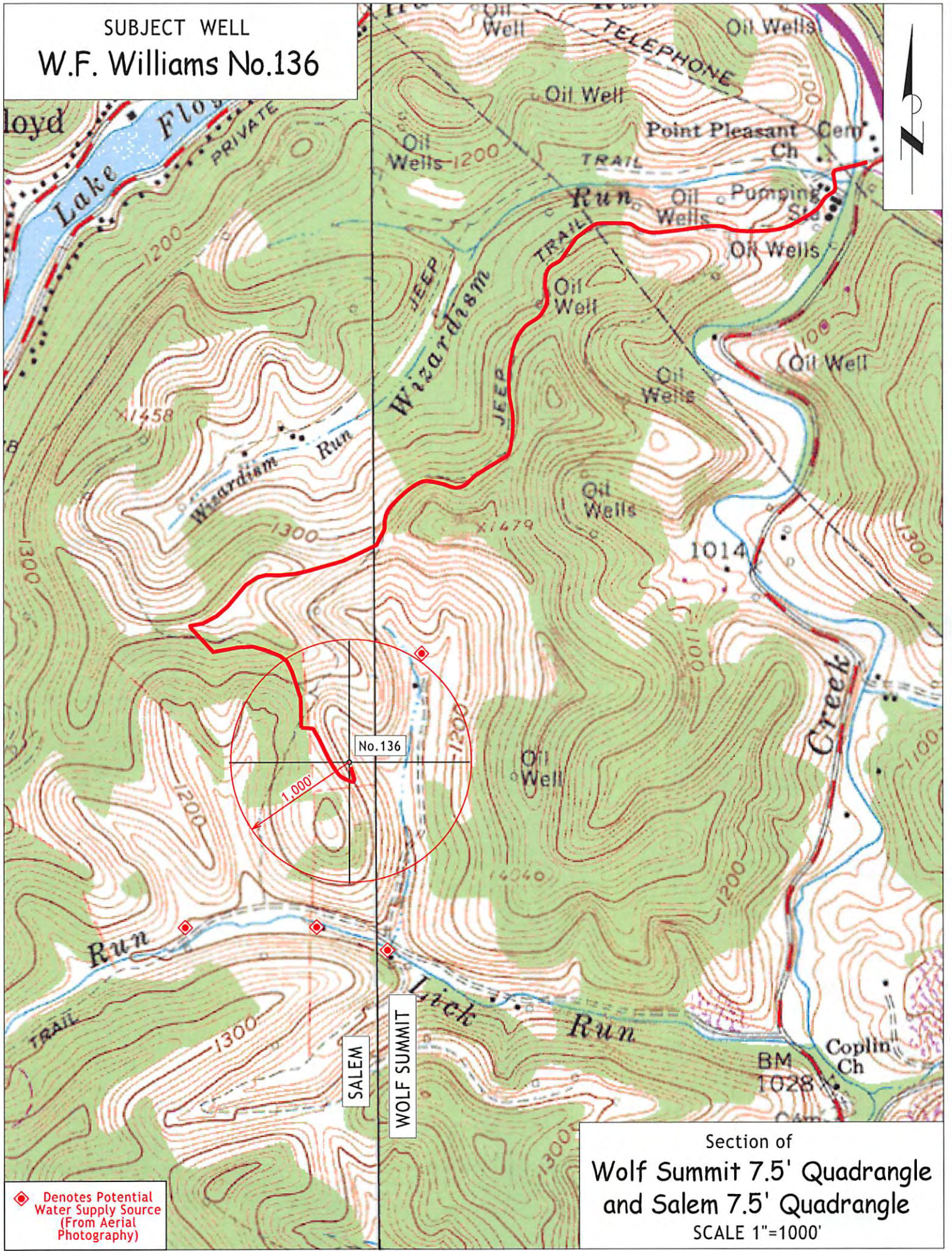
WEST VIRGINIA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

DATE 4/19/13  
OPERATOR'S WELL  
W.F. WILLIAMS #136

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  HORIZONTAL   
(IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1155' WATERSHED BRANCH OF LICK RUN API WELL # 051573  
DISTRICT TEN MILE COUNTY HARRISON STATE 47 COUNTY 033 PERMIT 051573  
QUADRANGLE SALEM 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 18° W 520')  
PLUG & ABANDON  CLEAN OUT & REPLUG   
TARGET FORMATION 5TH SAND  
WELL OPERATOR H.G. ENERGY, LLC  
ADDRESS 5260 DuPONT ROAD  
PARKERSBURG, WV 26101  
ESTIMATED DEPTH MD= 3,150'  
DESIGNATED AGENT MIKE KIRSCH  
ADDRESS 5260 DuPONT ROAD  
PARKERSBURG, WV 26101

SUBJECT WELL  
W.F. Williams No.136



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Section of  
 Wolf Summit 7.5' Quadrangle  
 and Salem 7.5' Quadrangle  
 SCALE 1"=1000'