

(BOTTOM HOLE: LON:-80°30'21.5")

LON:-80°30'22.0"

1730

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, adjoiners 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.

SURVEY NOTES

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,347,315m. E-542,617m.
Bottom Hole	N-4,347,233m. E-542,630m.

LOCATION REFERENCES	
UTM 27	
S 45°34' E 42.4' EX: WELL	
N 63°54' E 155.9' 12" WO	
Brg. Direction is prop. well to the ref.	

LAT: 39°17'30"
MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
W.B. CARPENTER 141

LON: 80°30'00"

6420

LAT:39°16'26.6"

(BOTTOM HOLE: LAT:39°16'23.9")



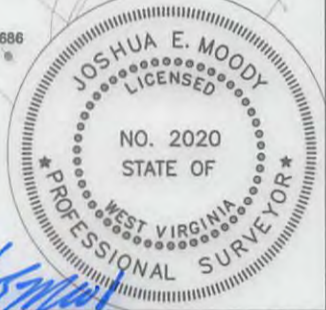
+ DENOTES LOCATION OF WELL ON U.S. TOPO MAPS.

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



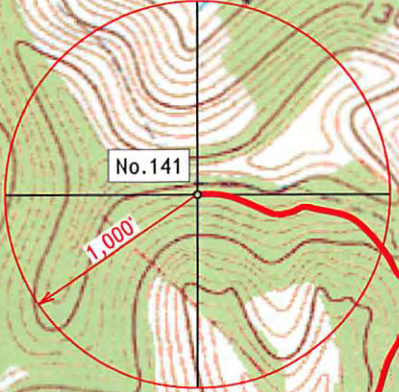
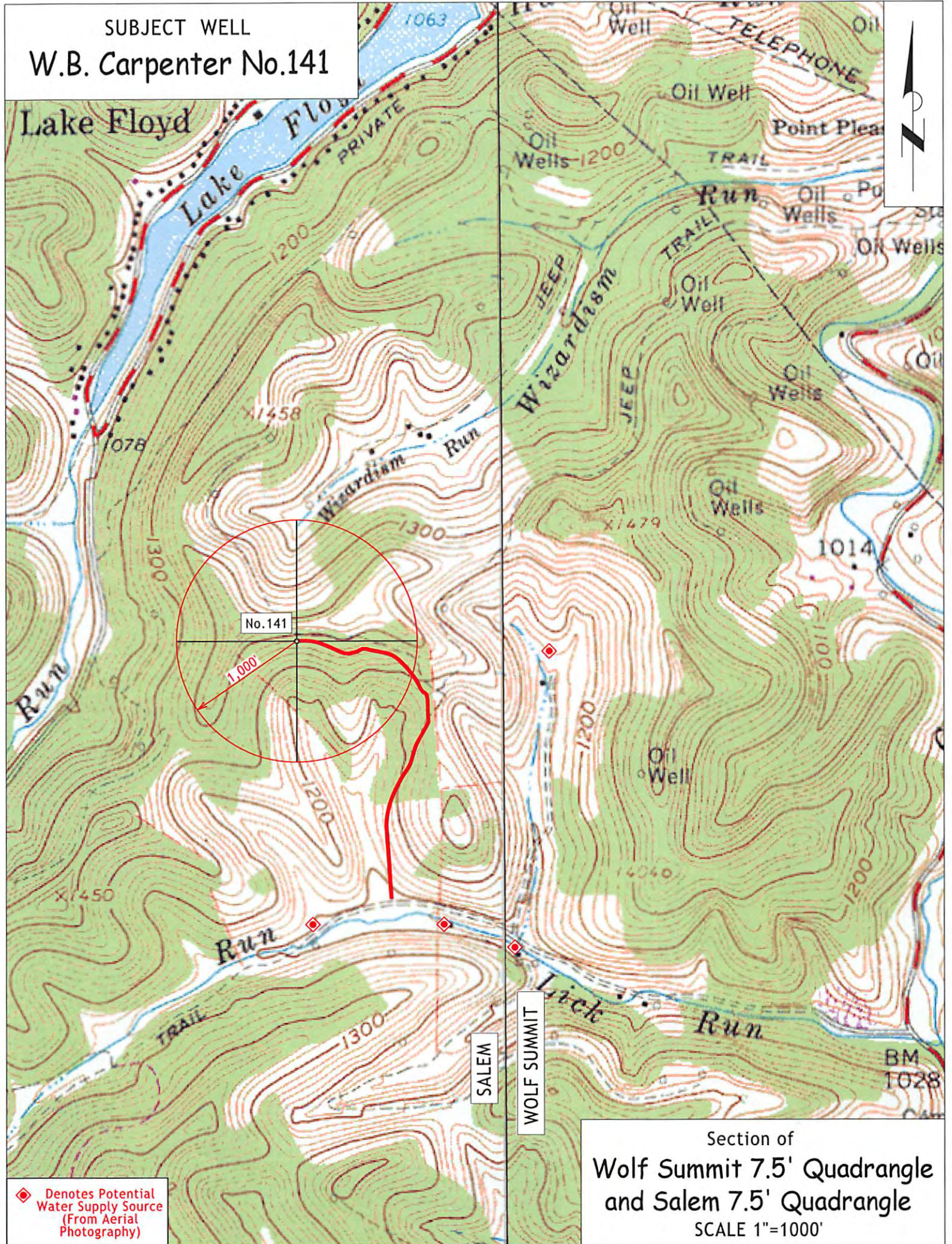
JOSHUA E. MOODY, P.S. 2020
 DATE 4/19/13
 OPERATOR'S WELL W.B. CARPENTER #141

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 1390' WATERSHED BRANCH OF LICK RUN API WELL # 057603
 DISTRICT TEN MILE COUNTY HARRISON 47 - 033 - 057603
 QUADRANGLE SALEM 7.5' STATE COUNTY PERMIT
 SURFACE OWNER EARL & BELVA JUNKINS ACREAGE 152.14 ACRES +/-
 OIL & GAS ROYALTY OWNER CHARLES A. SADDLER ET AL LEASE ACREAGE 154 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 (S 9° E 270')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION 5TH SAND ESTIMATED DEPTH MD= 3,425'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT MIKE KIRSCH
 ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

COUNTY NAME PERMIT

SUBJECT WELL
W.B. Carpenter No.141



◆ Denotes Potential Water Supply Source (From Aerial Photography)

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