

(BOTTOM HOLE: LON:-80°30'26.8")

LON:-80°30'20.6"

1620'

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, adjacent information, Lease names, & line mapping obtained from 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-4,347,635m. E-542,649m.
Bottom Hole	N-4,347,849m. E-542,498m.

LOCATION REFERENCES	
NAD 1983	
S 60°22' E 33.8' EX	WELL 1731
N 41°36' W 130.7' 10"	POPLAR

LAT: 39°17'30"
MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
W.B. CARPENTER 133

LON: 80°30'00"



5370'
 LAT:39°16'36.9"
 (BOTTOM HOLE: LAT:39°16'43.9")

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
 JOSHUA E. MOODY, P.S. 2020
 DATE 4/08/13
 OPERATOR'S WELL W.B. CARPENTER #133

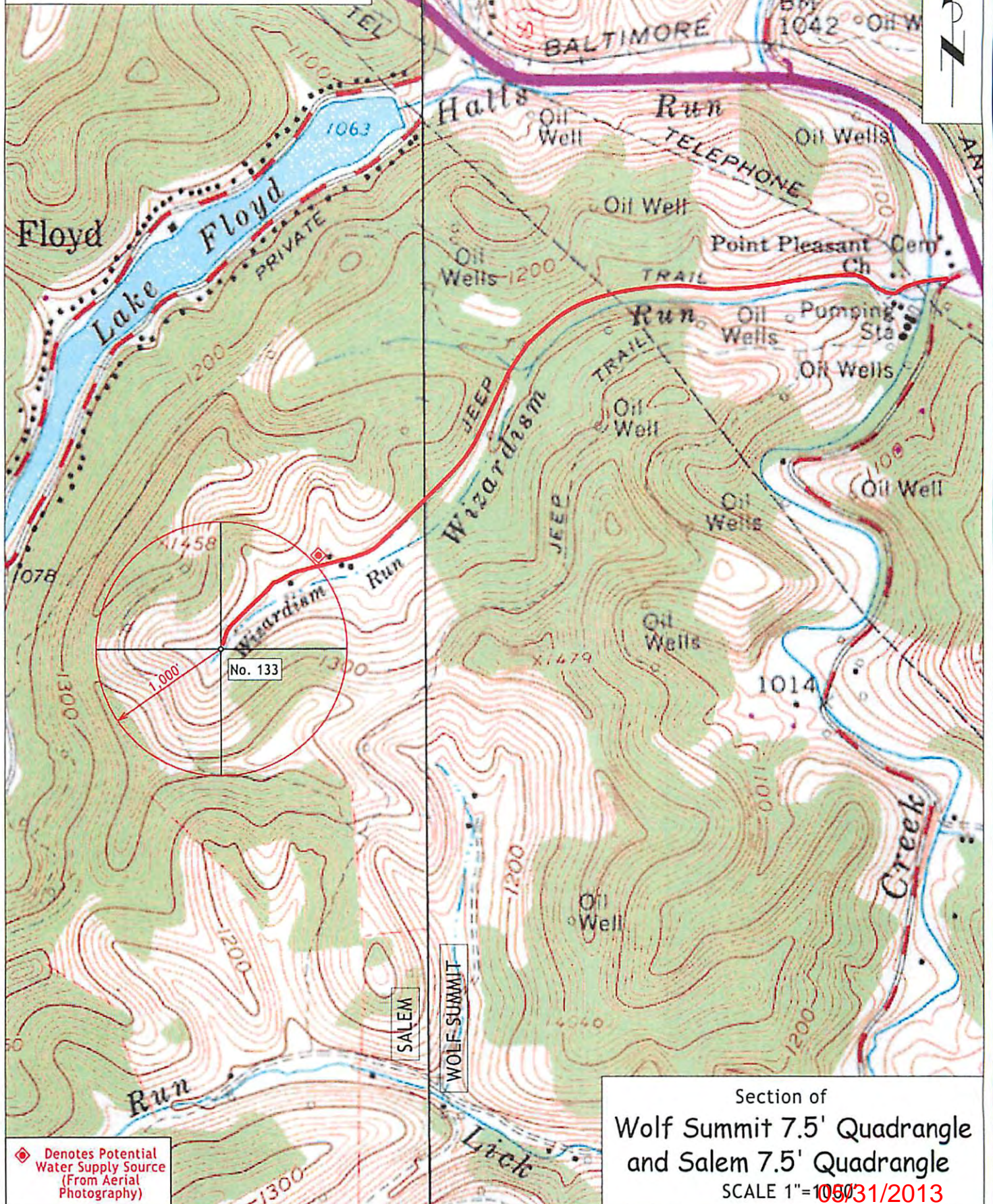
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION WASTE DISPOSAL ___ HORIZONTAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1161' WATERSHED WIZARDISM RUN API WELL # 47 - 033 - 05748
 DISTRICT TEN MILE COUNTY HARRISON STATE COUNTY PERMIT
 QUADRANGLE SALEM 7.5'

SURFACE OWNER EARL & BELVA JUNKINS ACREAGE 152.14 ACRES +/-
 OIL & GAS ROYALTY OWNER CHARLES A. SADLER 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 (N 35° W 860')

PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
 TARGET FORMATION 5TH SAND ESTIMATED DEPTH MD= 3,175'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT MIKE KIRSCH
 ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
 PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

SUBJECT WELL
W.B. Carpenter No.133



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Section of
 Wolf Summit 7.5' Quadrangle
 and Salem 7.5' Quadrangle
 SCALE 1"=105631/2013