

(BOT. HL: LON:-80°30'34.2") LON:-80°30'41.1"

3230

SURVEY NOTES

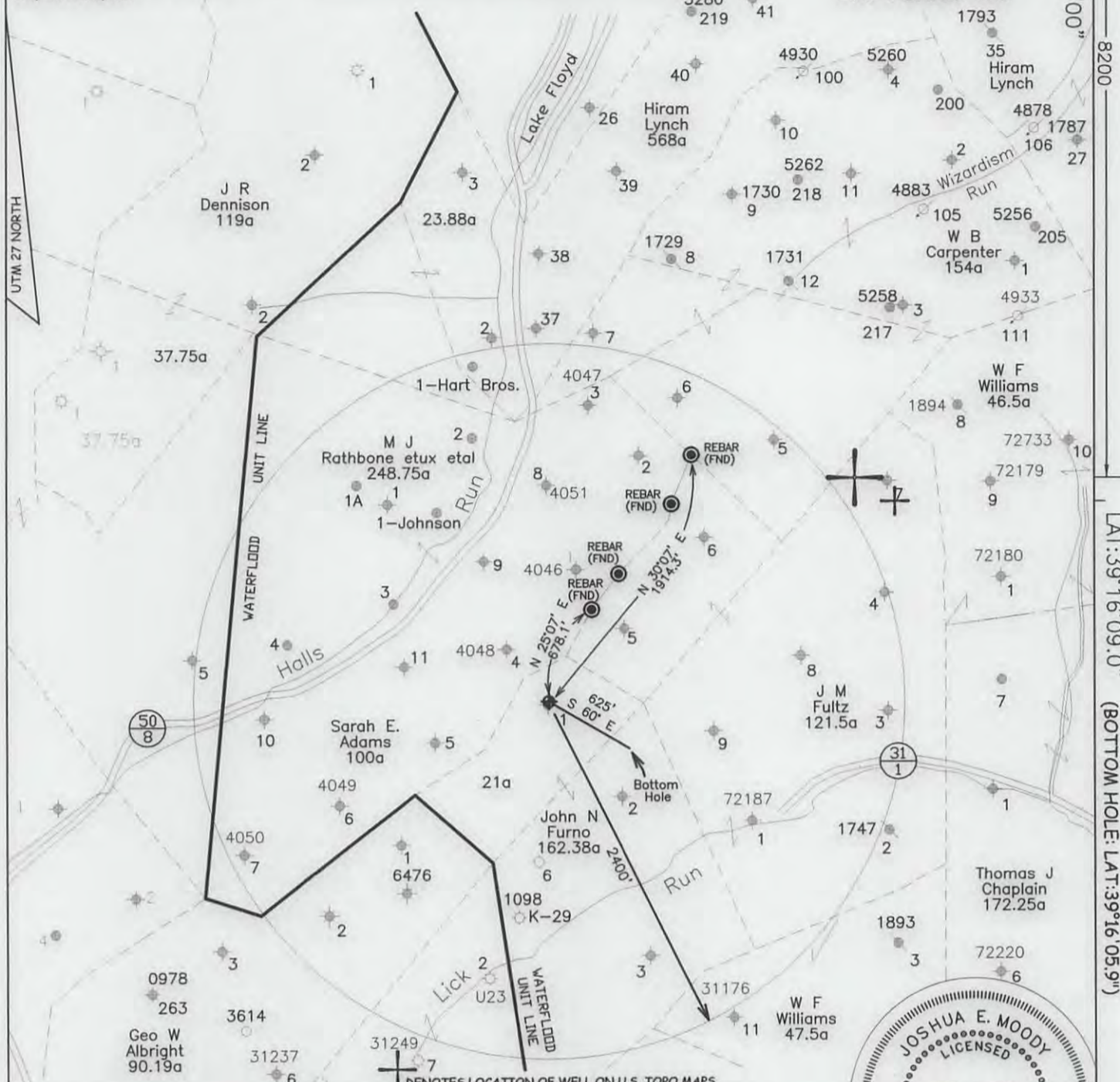
1 - Well ties and Latitude and Longitude were measured by Topcon Hiper GA survey grade GPS. Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1927).

2 - Surface owners, adjoiners 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.

UTM Coordinates (Zone 17N-NAD 1983)		LOCATION REFERENCES
Surface	N-4,346,770m. E-542,163m.	UTM 27 S 17°00' W 22.8' 4" PVC WELL N 18°48' W 99.2' 9" HICKORY
Bottom Hole	N-4,346,675m. E-542,328m.	Brg. Direction is prop. well to the ref.

LAT: 39°17'30"
MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
J.N. FURNO 149



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

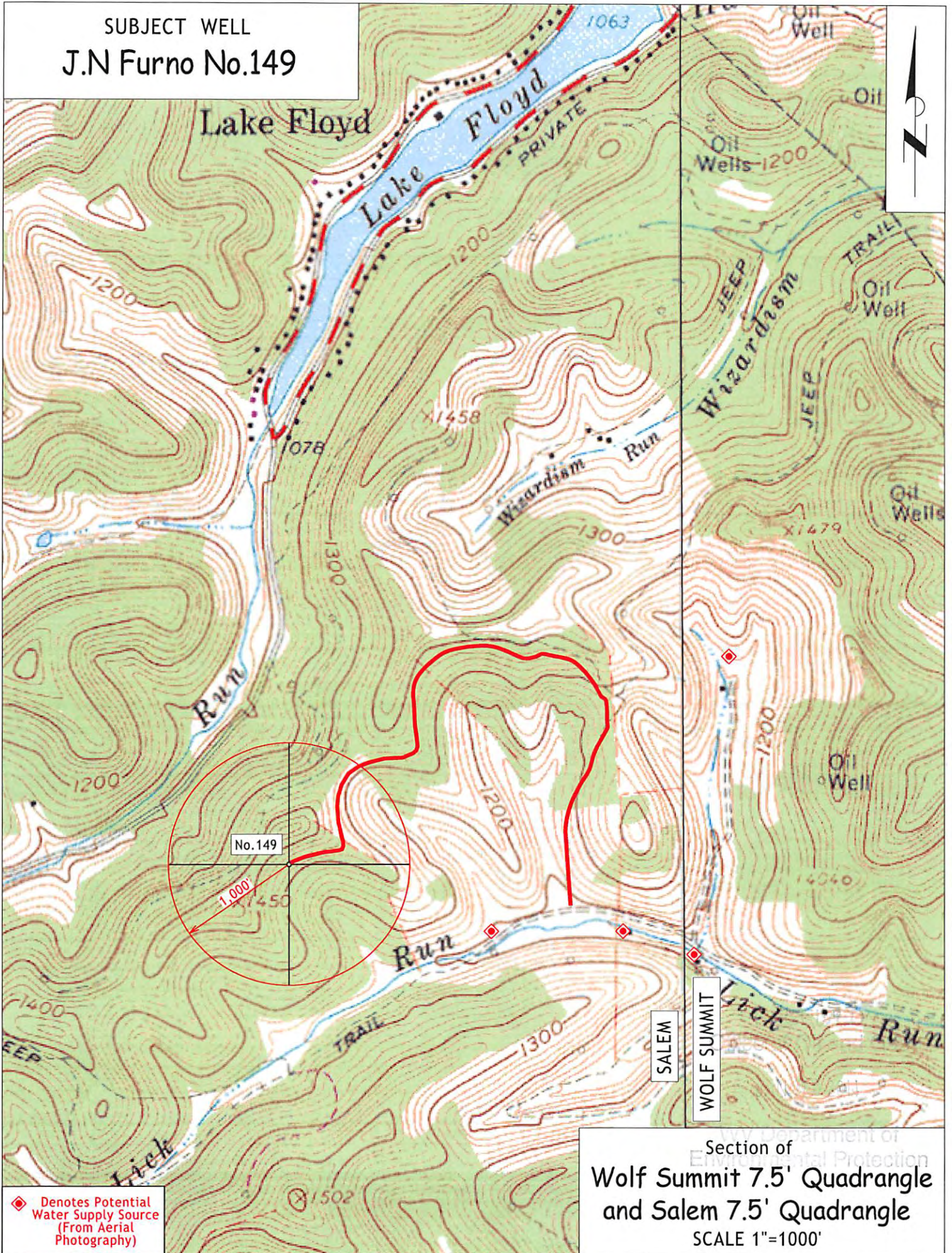


JOSHUA E. MOODY, P.S. 2020
 DATE 9/17/13
 OPERATOR'S WELL J.N. FURNO # 149

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1338' WATERSHED TEN MILE CREEK API WELL # 058045
 DISTRICT TEN MILE COUNTY HARRISON STATE 47 COUNTY 033 PERMIT 058045
 QUADRANGLE SALEM 7.5'

SURFACE OWNER CLARENCE & MARY MUTSCHELKNAUS ACREAGE 157.94 ACRES +/-
 OIL & GAS ROYALTY OWNER JOHN H. FURNER, et al LEASE ACREAGE 185 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 60° E 625')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION 5TH SAND ESTIMATED DEPTH MD= 3,325'
 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
J.N Furno No.149



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Section of
U.S. Department of
Environmental Protection
**Wolf Summit 7.5' Quadrangle
and Salem 7.5' Quadrangle**
SCALE 1"=1000'