

(BOTTOM HOLE: LON:-80°30'20.0")

LON:-80°30'21.8"

1715

1 - Well ties and Latitude and Longitude were measured by Topcon HiPer 6A 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-542,622m.
Bottom Hole	N-4,347,430m. E-542,663m.

LOCATION REFERENCES	
UTM 27	
S 25°54' E 34.4' EX: WELL	
N 61°40' E 141.8' 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 237**

LON: 80°30'00"

6415

LAT: 39°16'26.6"

(BOTTOM HOLE: LAT: 39°16'30.3")



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

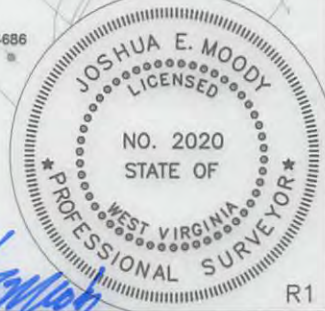
JOB # 13-014
DRAWING # 13LAKEFLOYD FOLDER
SCALE 1" = 1500'
MINIMUM DEGREE OF ACCURACY 1/2500
PROVEN SOURCE OF ELEV. BENCH MARK H-80

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



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 # 47-033-05780

DISTRICT TEN MILE COUNTY HARRISON STATE 47 COUNTY 033 PERMIT 05780

QUADRANGLE SALEM 7.5'

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 (N 20° E 400')

PLUG & ABANDON CLEAN OUT & REPLUG

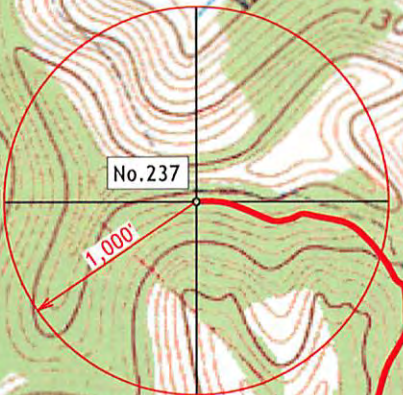
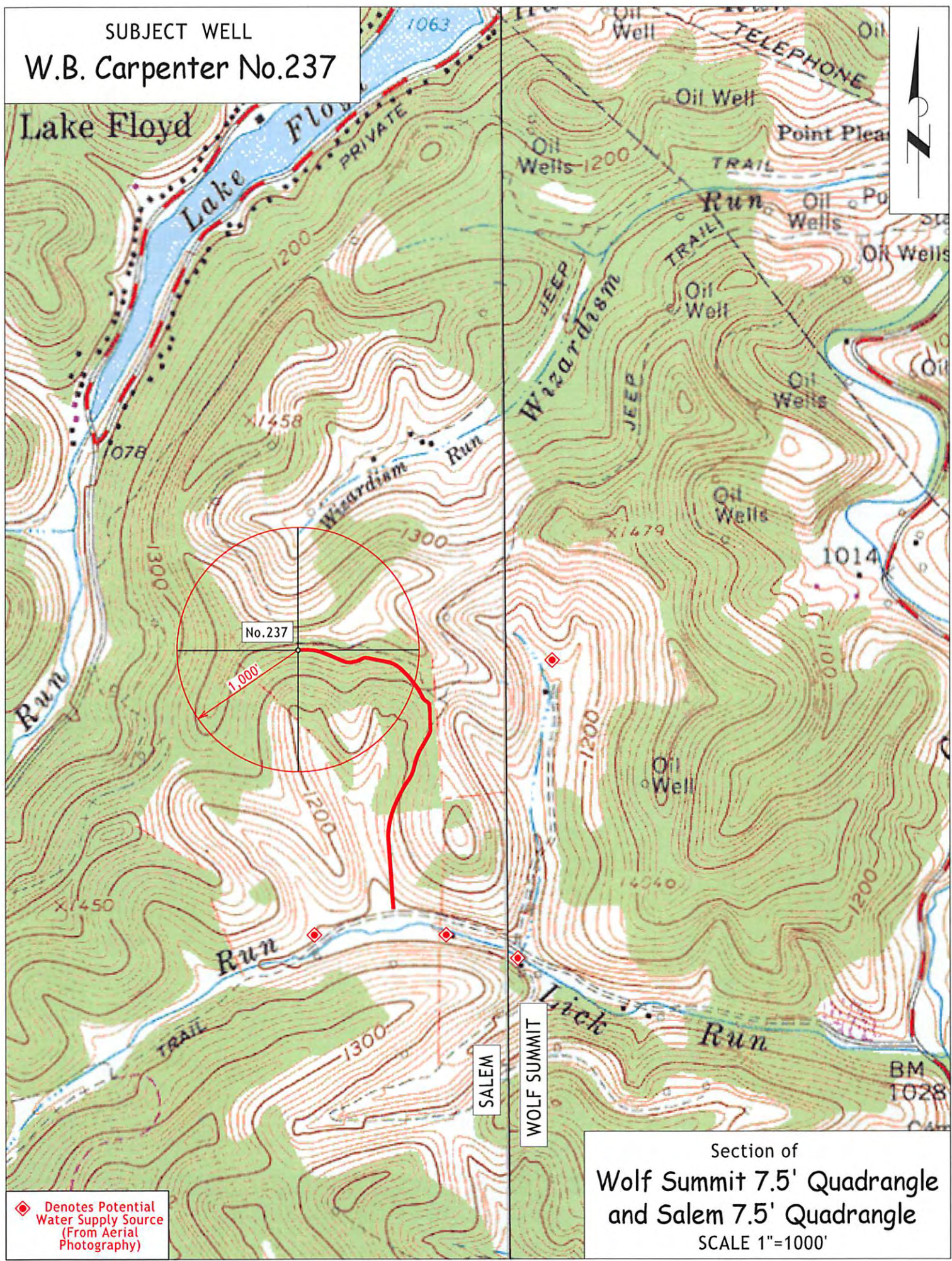
TARGET FORMATION 5TH SAND ESTIMATED DEPTH MD= 3,400'

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.237



◆ Denotes Potential Water Supply Source (From Aerial Photography)

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