

(BOTTOM HOLE: LON:-80°29'58.5")

LON:-80°30'02.7" 210

LAT: 39°30'00" 8075  
LAT: 39°16'10.2" (BOTTOM HOLE: LAT: 39°16'08.0")

**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-4,346,812m. E-543,083m.
Bottom Hole	N-4,346,746m. E-543,184m.

**LOCATION REFERENCES**

UTM 27  
N 85°06' E 37.6' EX: WELL  
S 18°51' W 124.4' 6' MAPLE  
Brg. Direction is prop. well to the ref.

LAT: 39°17'30"  
**MAP OF  
H.G. ENERGY, LLC  
-WATERFLOOD UNIT-  
T.J. CHAPLAIN 240**



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

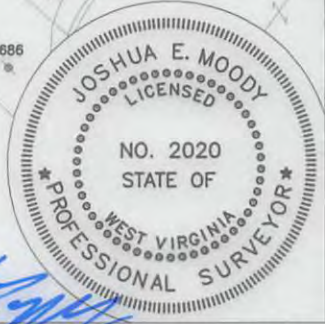
JOB # 13-014  
DRAWING # 13LAKEFLOYD FOLDER  
SCALE 1" = 1500'  
MINIMUM DEGREE OF ACCURACY 1/2500  
PROVEN SOURCE OF ELEV. BENCH MARK H-80

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



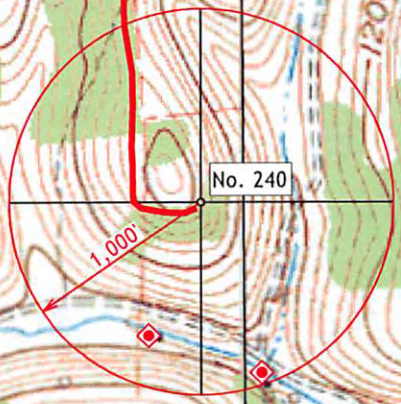
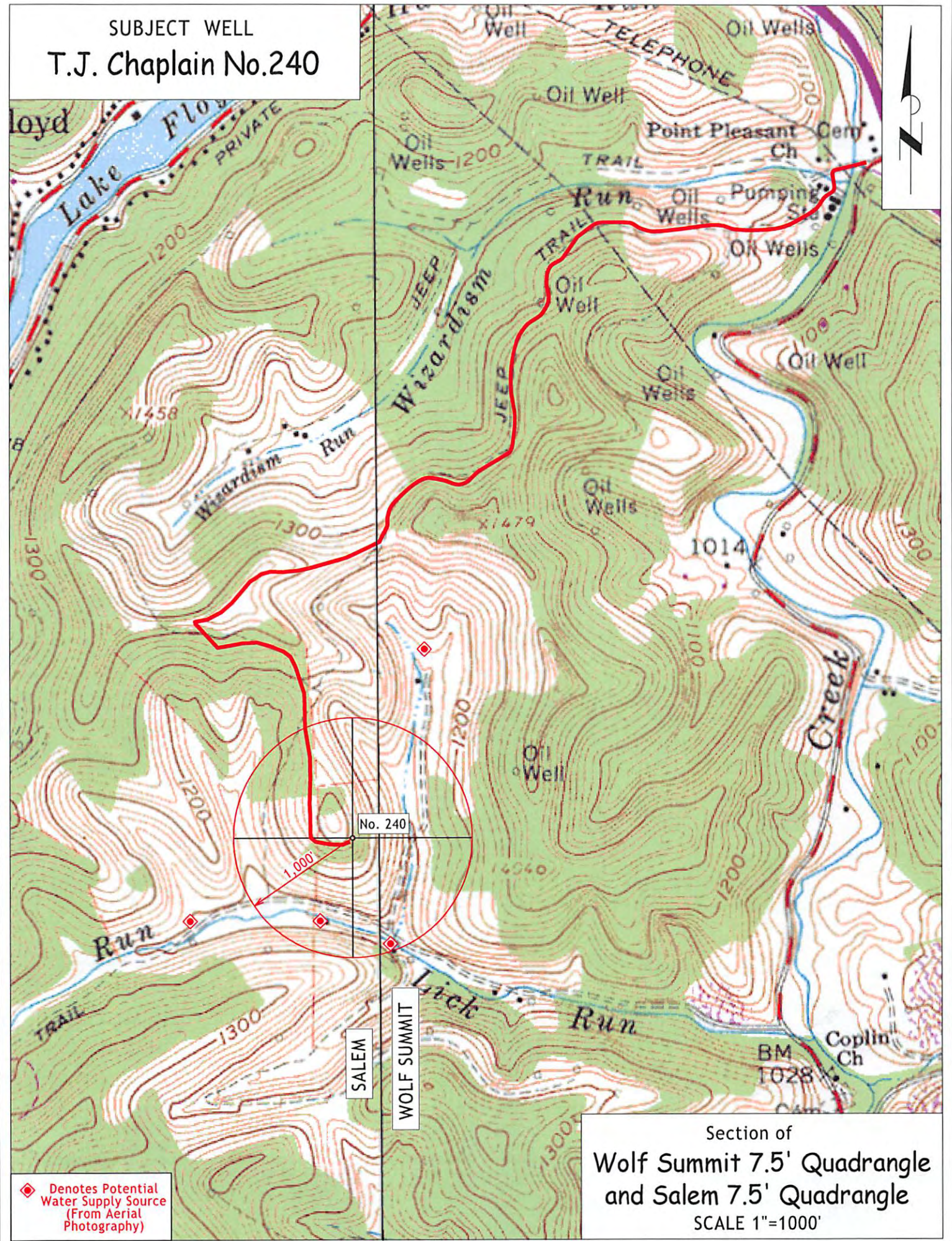
JOSHUA E. MOODY, P.S. 2020  
DATE 4/19/13  
OPERATOR'S WELL  
T.J. CHAPLAIN #240

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 1286' WATERSHED BRANCH OF LICK RUN API WELL # 47-033-05764  
DISTRICT TEN MILE COUNTY HARRISON STATE 47 COUNTY 033 PERMIT 05764  
QUADRANGLE SALEM 7.5'

SURFACE OWNER EDITH JEAN MYERS ACREAGE 25.00 ACRES +/-  
OIL & GAS ROYALTY OWNER ORVILLE MYERS JR. ET AL LEASE ACREAGE 131 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 57° E 395')  
PLUG & ABANDON  CLEAN OUT & REPLUG   
TARGET FORMATION 5TH SAND ESTIMATED DEPTH MD= 3,225'  
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  
T.J. Chaplain No.240



◆ Denotes Potential Water Supply Source (From Aerial Photography)

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