

(BOTTOM HOLE: LON:-80°30'07.0")

LON:-80°30'02.7" 210

LON: 80°30'00" LAT: 39°16'10.3" (BOTTOM HOLE: LAT:39°16'08.8")

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)		LOCATION REFERENCES	
Surface	N-4,346,817m. E-543,083m.	UTM 27	S 71°50' E 39.2' EX: WELL S 16°40' W 139.2' 6" MAPLE Brg. Direction is prop. well to the ref.
Bottom Hole	N-4,346,768m. E-542,979m.		

LAT: 39°17'30"
**MAP OF
 H.G. ENERGY, LLC
 -WATERFLOOD UNIT-
 T.J. CHAPLAIN 143**



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

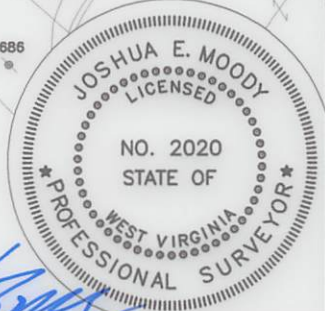
JOB # 13-014
 DRAWING # 13LAKEFLOYD FOLDER
 SCALE 1" = 1500'
 MINIMUM DEGREE OF ACCURACY 1/2500
 PROVEN SOURCE OF ELEV. BENCH MARK H-80

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



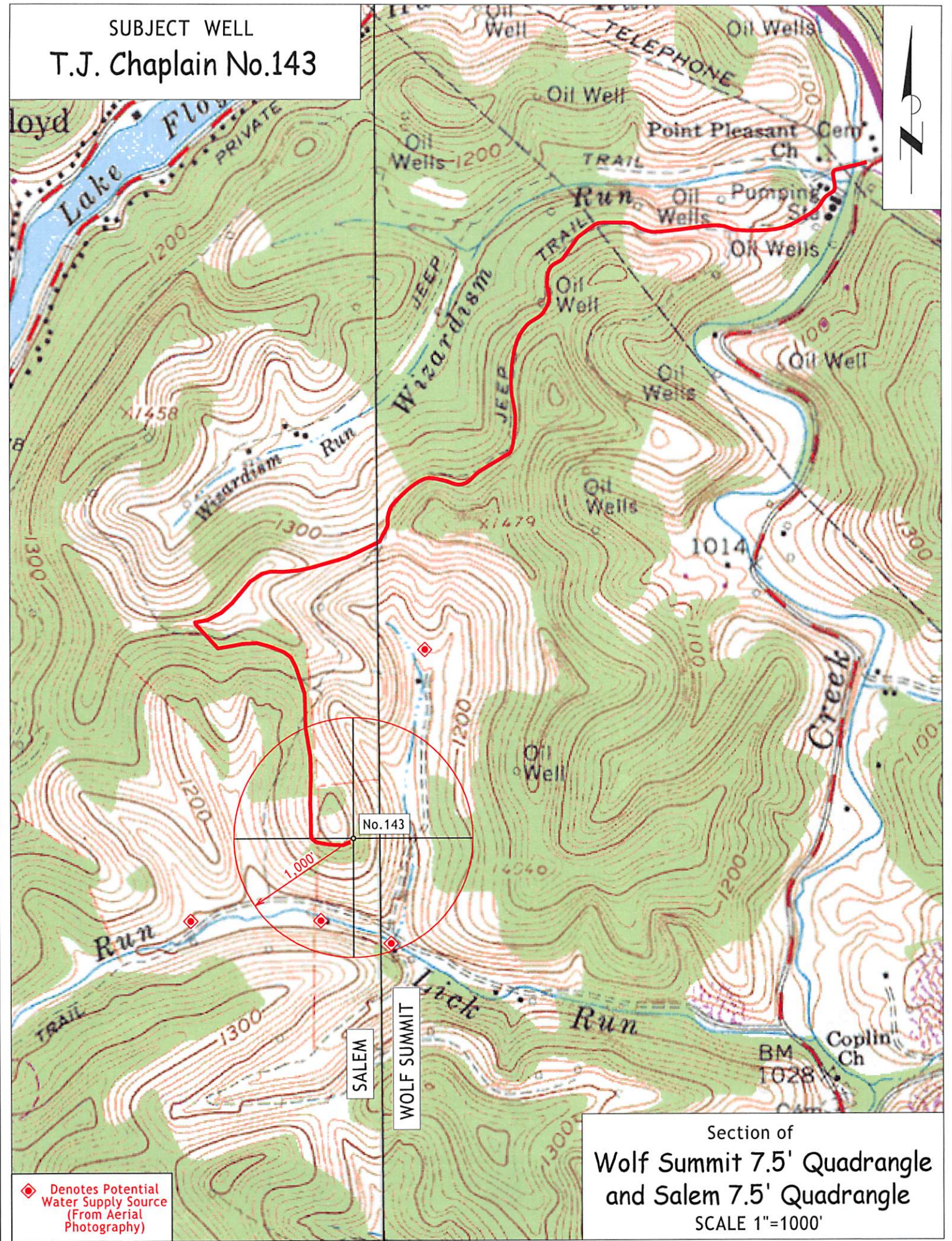
JOSHUA E. MOODY, P.S. 2020
 DATE 4/19/13
 OPERATOR'S WELL
 T.J. CHAPLAIN #143

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 # 47-033-05775 S
 DISTRICT TEN MILE COUNTY HARRISON STATE WV COUNTY HARRISON PERMIT 05775 S
 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 65° W 375')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION 5TH SAND
 WELL OPERATOR H.G. ENERGY, LLC ESTIMATED DEPTH MD= 3,225'
 ADDRESS 5260 DuPONT ROAD DESIGNATED AGENT MIKE KIRSCH
PARKERSBURG, WV 26101 ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101

SUBJECT WELL
T.J. Chaplain No.143



◆ Denotes Potential Water Supply Source (From Aerial Photography)

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