

(BOT. HL: LON:-80°30'40.8")

LON:-80°30'38.4"

3020

**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).

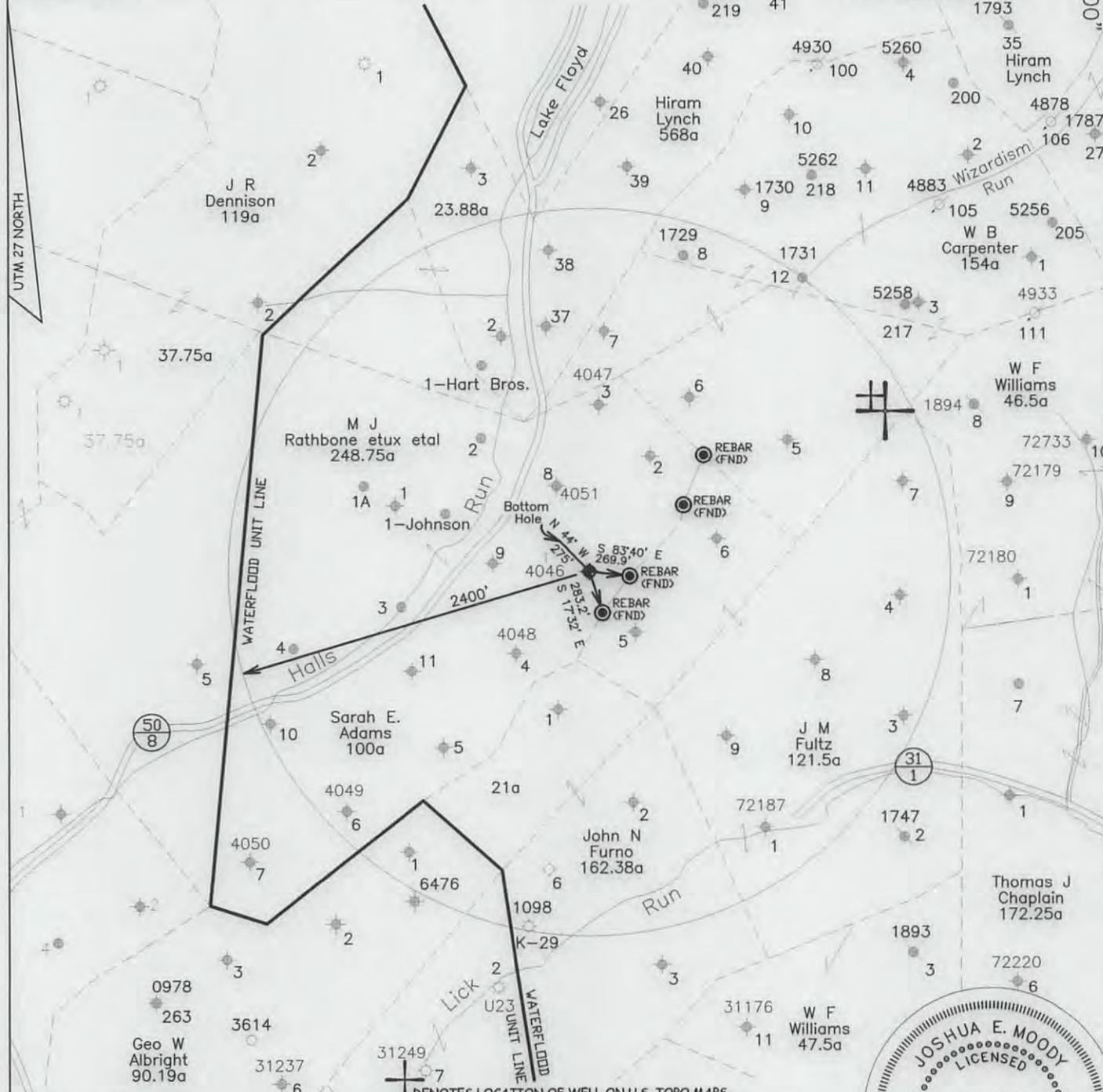
2 - Surface owners, adjoining information, Lease names, & line mapping obtained from HGE GIS system.

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-4,347,039m. E-542,225m.	UTM 27	
Bottom Hole	N-4,347,100m. E-542,167m.	S 88°22' W 19.3' EX: WELL S 25°15' W 160.9' 12" HICKORY	
		Brg. Direction is prop. well to the ref.	

LAT: 39°17'30"  
**MAP OF  
 H.G. ENERGY, LLC  
 -WATERFLOOD UNIT-  
 S.E. ADAMS 247**

LON: 80°30'00"  
 7315  
 LAT: 39°16'17.7"  
 (BOTTOM HOLE: LAT: 39°16'19.7")



⊕ 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



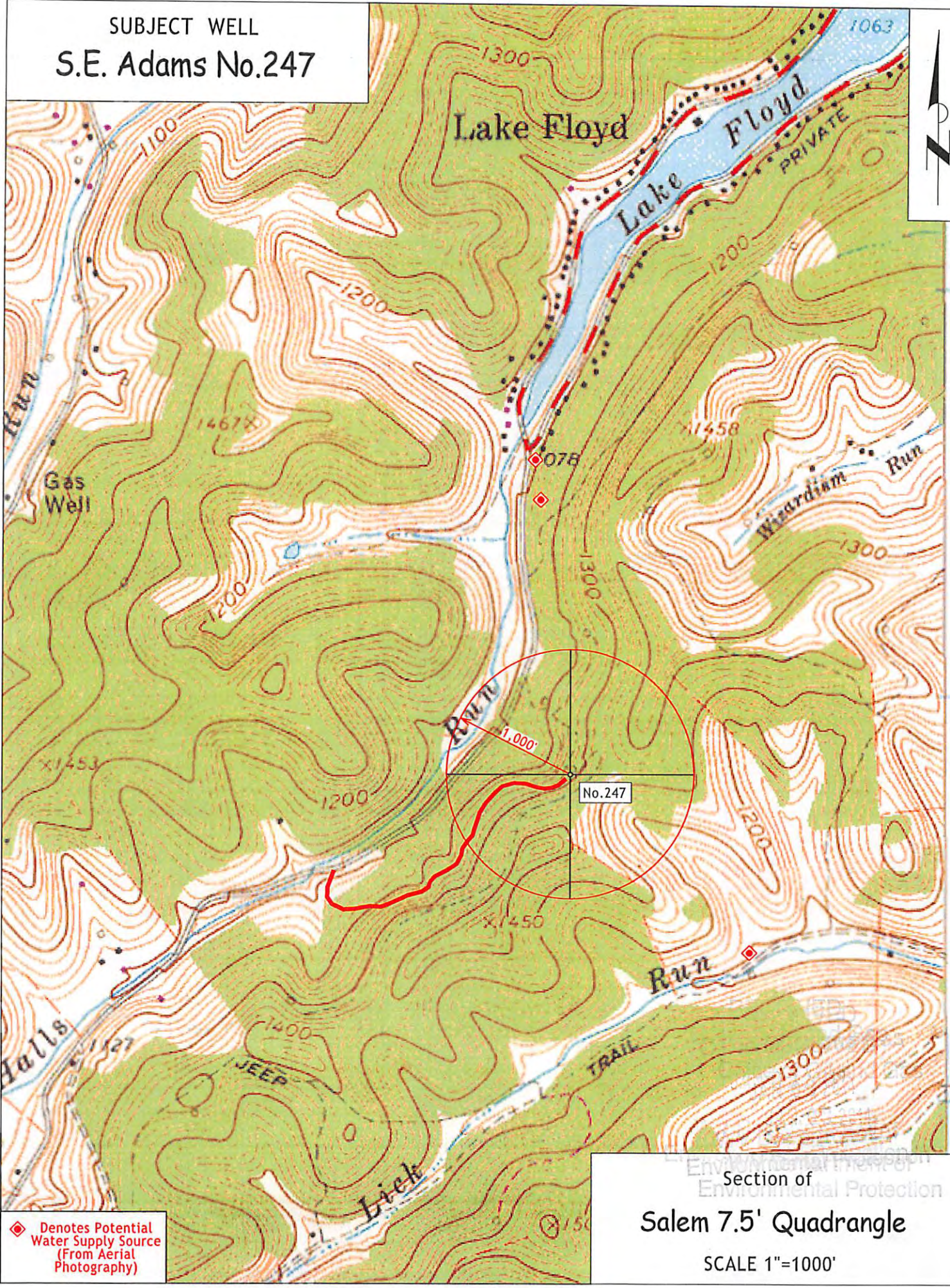
JOSHUA E. MOODY, P.S. 2020  
 DATE 9/17/13  
 OPERATOR'S WELL S.E. ADAMS # 247

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 1267' WATERSHED TEN MILE CREEK API WELL # 05806  
 DISTRICT TEN MILE COUNTY HARRISON STATE 47 COUNTY 033 PERMIT  
 QUADRANGLE SALEM 7.5'

SURFACE OWNER HILARY HEIGHTS LTD ACREAGE 241.54 ACRES +/-  
 OIL & GAS ROYALTY OWNER HILARY HEIGHTS LTD., et al LEASE ACREAGE 100 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 44° W 275')  
 PLUG & ABANDON  CLEAN OUT & REPLUG   
 TARGET FORMATION 5TH SAND ESTIMATED DEPTH MD= 3,200'  
 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  
S.E. Adams No.247



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Section of  
Salem 7.5' Quadrangle  
SCALE 1"=1000'