

(BOT. HL: LON:-81°16'30.5")

LON: -81°16'42.9" 8155'

LAT: 38°45'00"

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- A.J. EPLING 120

LON: 81°15'00"

14650'

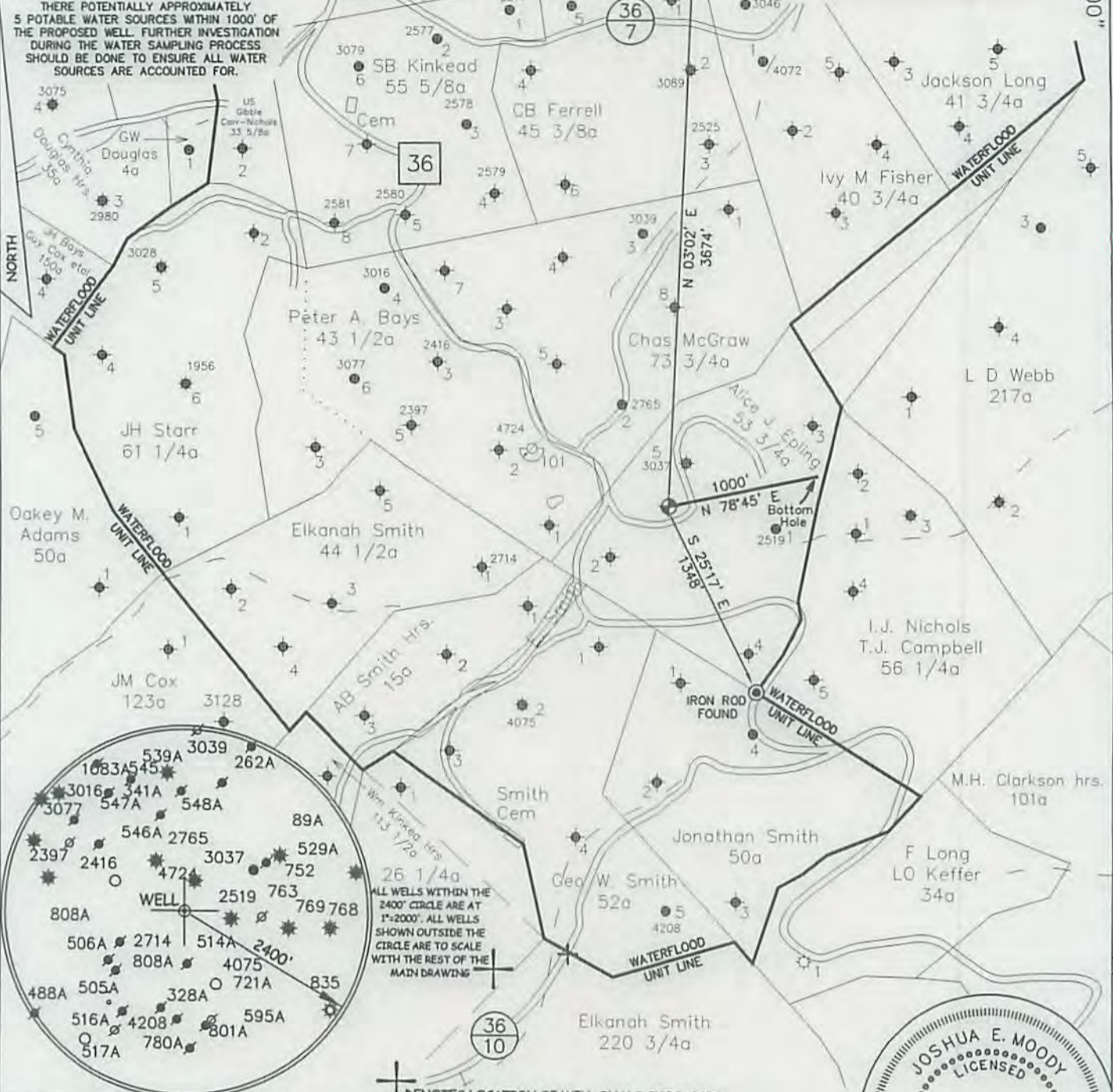
LAT: 38°42'35.2"

(BOTTOM HOLE: LAT:38°42'37.2")

- SURVEY NOTES**
- 1 - Well ties and Latitude and Longitude were measured by DGPS (Sub-meter Mapping Grade). Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1983).
 - 2 - Surface owners and adjacent information obtained from the Roane County Assessor's tax records.
 - 3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete title opinion.
 - 4 - Existing well spots from HGE or Seneca Tech, Inc. data

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,284,618m. E-475,793m.
Bottom Hole	N-4,284,678m. E-476,092m.

LOCATION REFERENCES	
MAGNETIC BEARING	
N 45° E 96.3'	8" RED OAK
N 55° W 110.0'	8" MAPLE



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

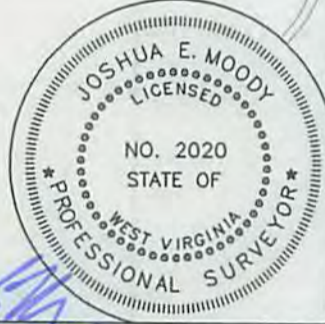
JOB # 14-033
 DRAWING # 14CLOVER FOLDER
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEV. MAPPING GRADE GPS

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

JOSHUA E. MOODY, P.S. 2020
 DATE 12/15/14
 OPERATOR'S WELL
 A.J. EPLING # 120

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1189' WATERSHED BIG HOLLOW API WELL #
 DISTRICT SMITHFIELD COUNTY ROANE 47 - 087 - 047649
 QUADRANGLE LOONEYVILLE 7.5' STATE COUNTY PERMIT

SURFACE OWNER DOLORES ATKINSON (TRUSTEE), RICHARD & RONALD FISCHER ACREAGE 105.73 ACRES +/-
 OIL & GAS ROYALTY OWNER FREEHOLD COMPANY ET AL LEASE ACREAGE 54.00 ACRES +/-
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) WELL WILL BE DRILLED DIRECTIONALLY (N 78°45' E 1000')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH TVD=2,300' MD=2,960'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT DIANE WHITE
 ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

FORM WW-6 WV Department of Environmental Protection LEASE # 62031-50

04/03/2015

SUBJECT WELL
A.J. Epling No.120



◆ Denotes Potential Water Supply Source and Surface Owner (From Aerial Photography)

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