

(BOT. HL: LON:-81°17'07.3") LON: -81°17'17.8" 10925' LAT: 38°42'30" LON: 81°15'00" LAT: 38°42'24.4" (BOTTOM HOLE: LAT: 38°42'26.1")

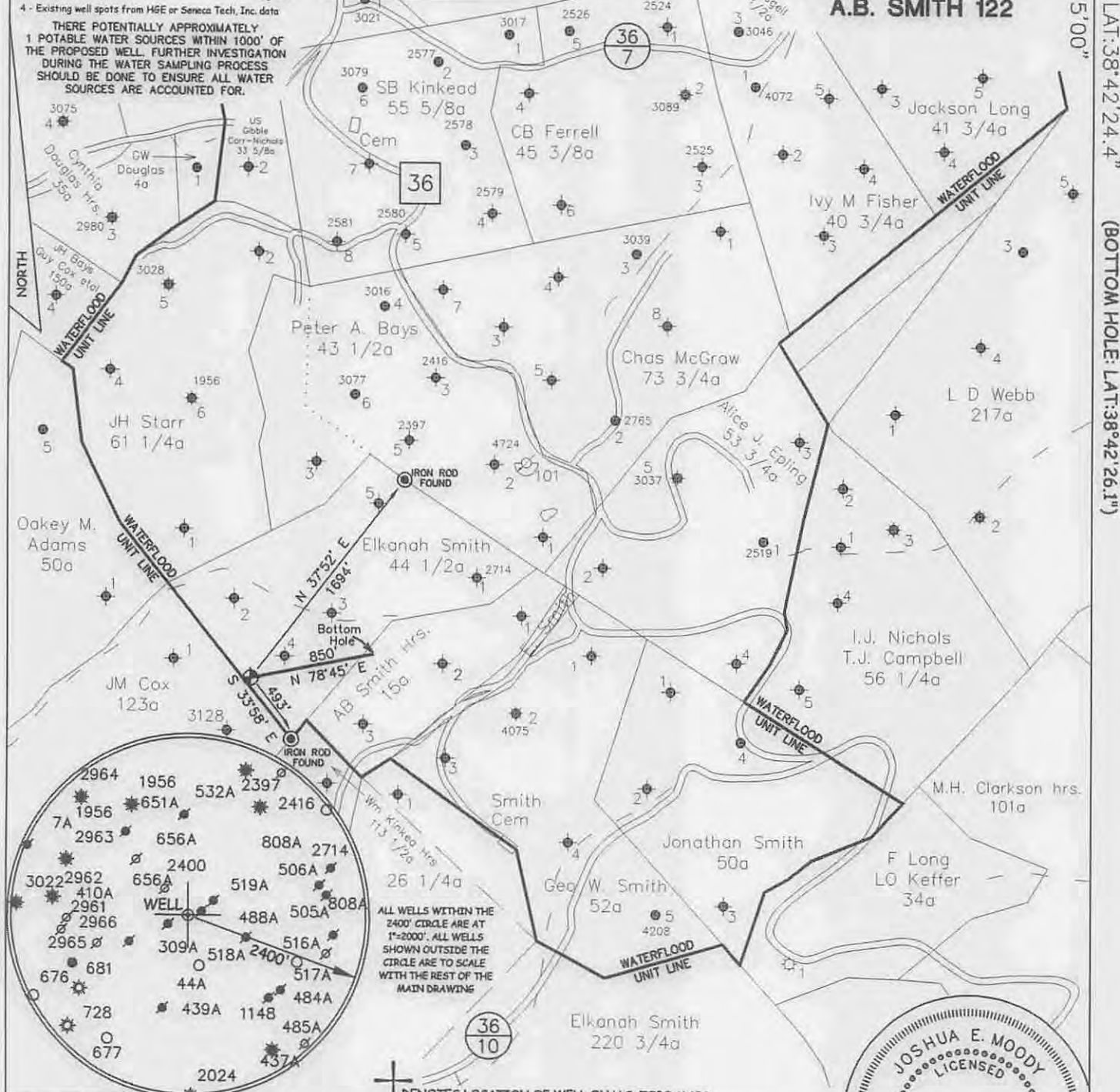
SURVEY NOTES

- 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 1927).
- Surface owners and adjacent information obtained from the Roane County Assessor's tax records.
- No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete title opinion.
- Existing well spots from HGE or Seneca Tech, Inc. data

THERE POTENTIALLY APPROXIMATELY 1 POTABLE WATER SOURCES WITHIN 1000' OF THE PROPOSED WELL. FURTHER INVESTIGATION DURING THE WATER SAMPLING PROCESS SHOULD BE DONE TO ENSURE ALL WATER SOURCES ARE ACCOUNTED FOR.

UTM Coordinates (Zone 17N-NAD 1983)		LOCATION REFERENCES	
Surface	N-4,284,289m. E-474,949m.	MAGNETIC BEARING N 56° W 93.0' 10" HICKORY IN FENCE N 05° E 109.6' 12" CHERRY	
Bottom Hole	N-4,284,339m. E-475,203m.		

LAT: 38°42'30"
**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
A.B. SMITH 122**



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

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.



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



**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 12/15/14
OPERATOR'S WELL
A.B. SMITH # 122

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 1148' WATERSHED LAUREL FORK API WELL # 47-087-04760S
DISTRICT SMITHFIELD COUNTY ROANE STATE 47 COUNTY 087 PERMIT 04760S
QUADRANGLE LOONEYVILLE 7.5'

SURFACE OWNER RONALD G. & BRENDA S. CHADWELL ACREAGE 50.00 ACRES +/-
OIL & GAS ROYALTY OWNER FREEHOLD COMPANY ET AL LEASE ACREAGE 20.00 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 850')
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BIG INJUN ESTIMATED DEPTH TVD=2,270' MD=2,840'
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

LEASE # 47192-50

02/13/2015

SUBJECT WELL
A.B. Smith No.122



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

Received
Office of Oil & Gas
JAN 22 2015

Section of
Looneyville 7.5' Quadrangle

SCALE 1"=1000'