

(BOT. HL: LON:-81°17'20.5")

LON: -81°17'15.8"

10760'

LON: 81°15'00"

13230'

LAT: 38°42'49.2"

(BOTTOM HOLE: LAT: 38°42'55.5")

- 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

SURVEY NOTES

UTM Coordinates (Zone 17N-NAD 1983)

Surface N-4,285,053m.
E-475,000m.

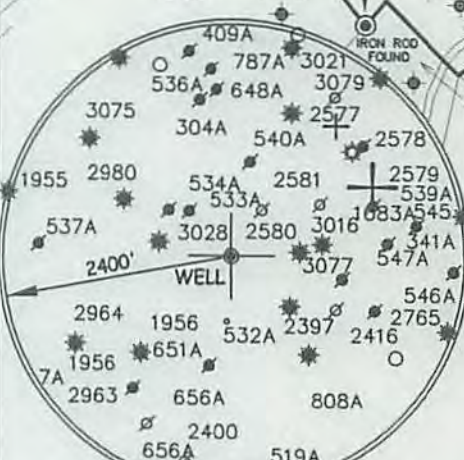
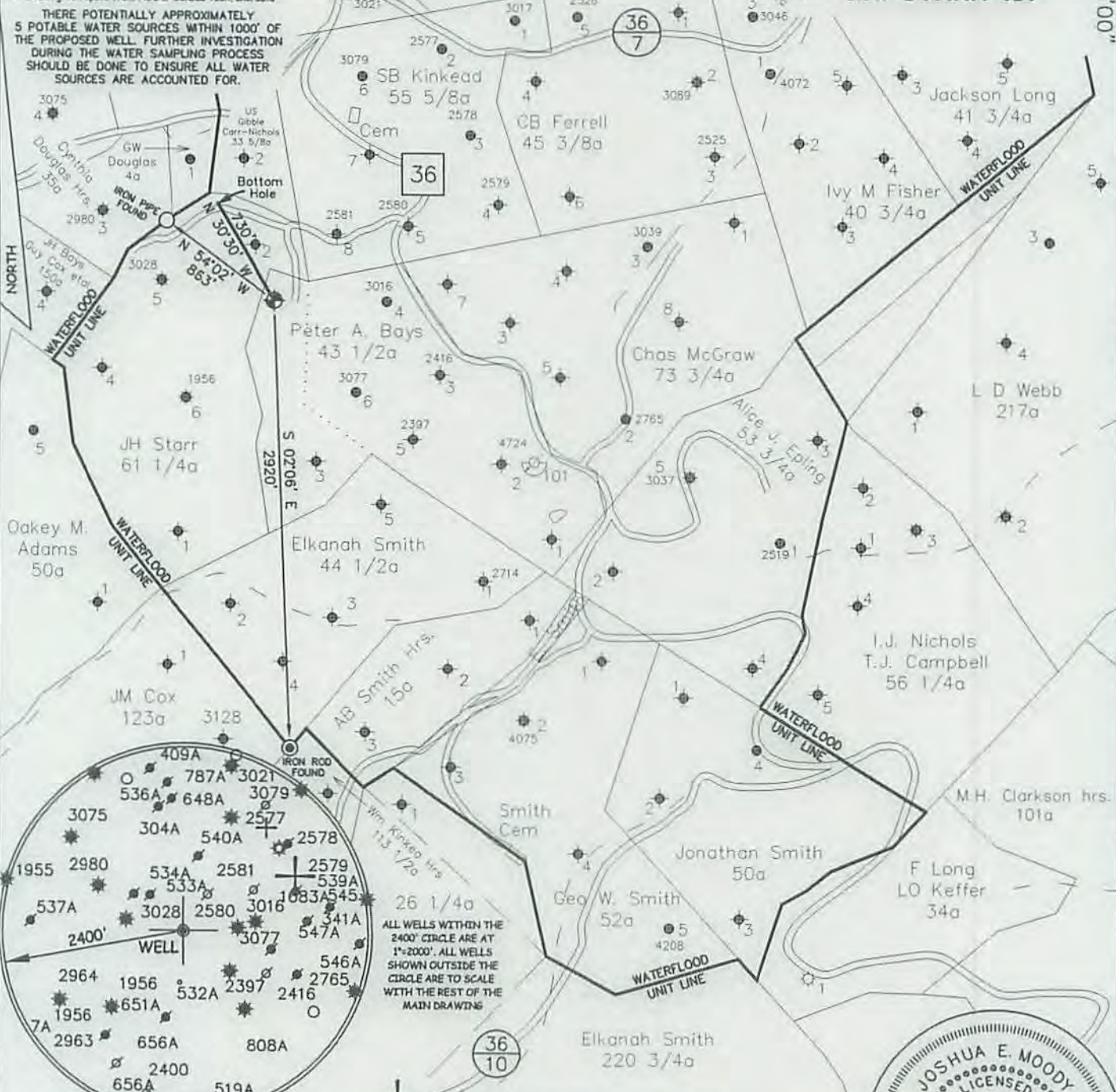
Bottom Hole N-4,285,245m.
E-474,887m.

LOCATION REFERENCES

MAGNETIC BEARING
S 60° W 94.8' 15" POPLAR
N 29° W 67.0' 10" RED OAK

LAT: 38°45'00"

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
J.H. STARR 107**



ALL WELLS WITHIN THE 2400' CIRCLE ARE AT 1"=2000'. ALL WELLS SHOWN OUTSIDE THE CIRCLE ARE TO SCALE WITH THE REST OF THE MAIN DRAWING

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

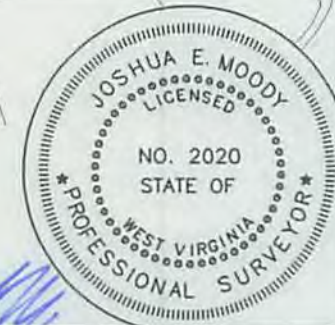
JOB # 14-033
DRAWING # 14CLOVER FOLDER
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEV. MAPPING GRADE GPS

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
J.H. STARR # 107

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1097' WATERSHED LAUREL FORK API WELL # 47-087-047825
DISTRICT SMITHFIELD COUNTY ROANE STATE 47 COUNTY 087 PERMIT 047825
QUADRANGLE LOONEYVILLE 7.5'

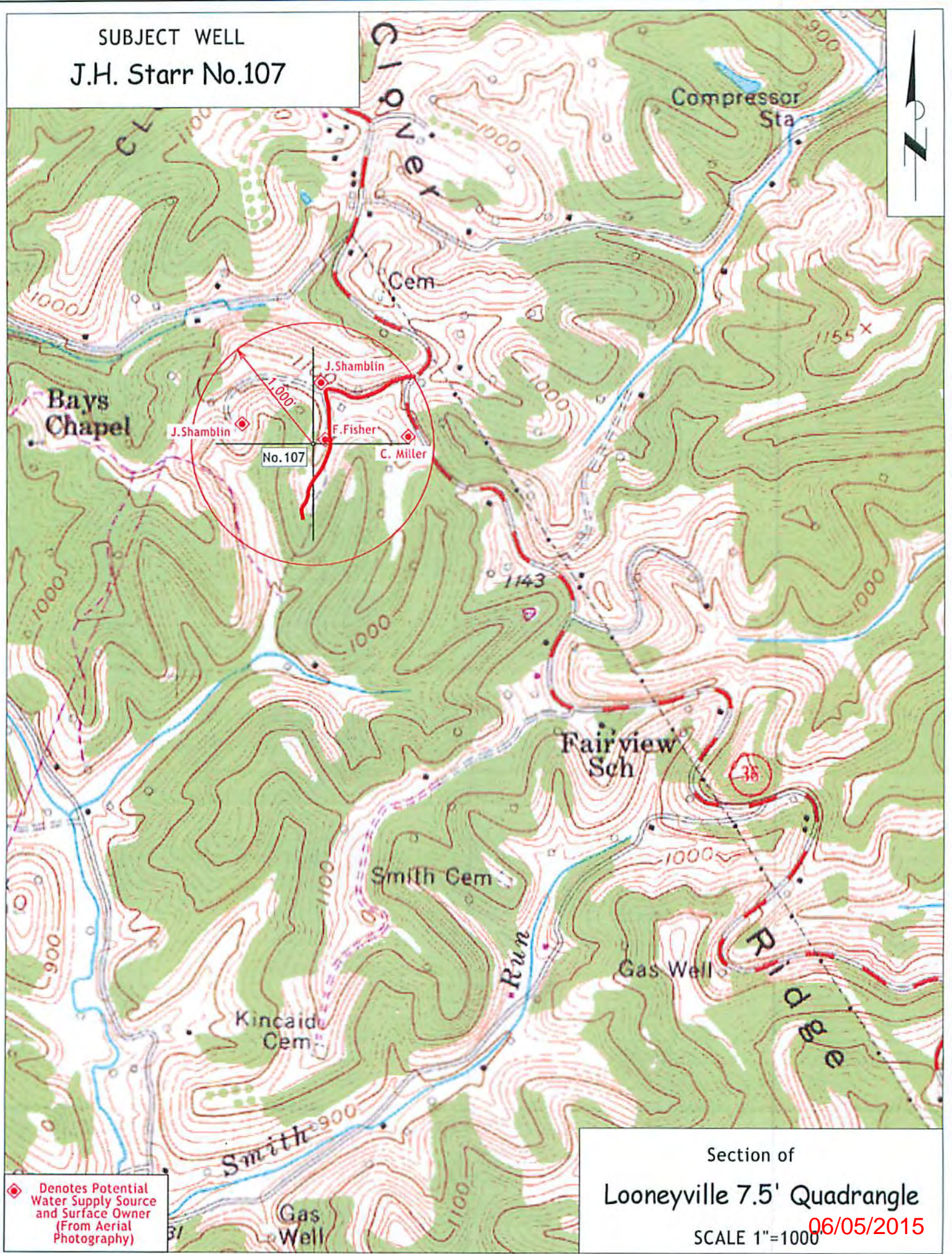
SURFACE OWNER FREDDIE FISHER ET AL ACREAGE 33.00 ACRES +/-
OIL & GAS ROYALTY OWNER WILLIAM S. HAYMOND II ET AL LEASE ACREAGE 104.00 ACRES +/-
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) WELL WILL BE DRILLED DIRECTIONALLY (N 30°30' W 730')
PLUG & ABANDON CLEAN OUT & REPLUG


06/05/2015

TARGET FORMATION BIG INJUN ESTIMATED DEPTH TVD=2,225' MD=2,730'
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 # 61791-50

SUBJECT WELL
J.H. Starr No.107



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

Section of
 Looneyville 7.5' Quadrangle
 SCALE 1"=1000
 06/05/2015