

(BOT. HL: LON:-81°16'37.3")

LON: -81°16'42.8"

8145'

LAT: 38°45'00"

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- A.J. EPLING 211

LON: 81°15'00"

14635'

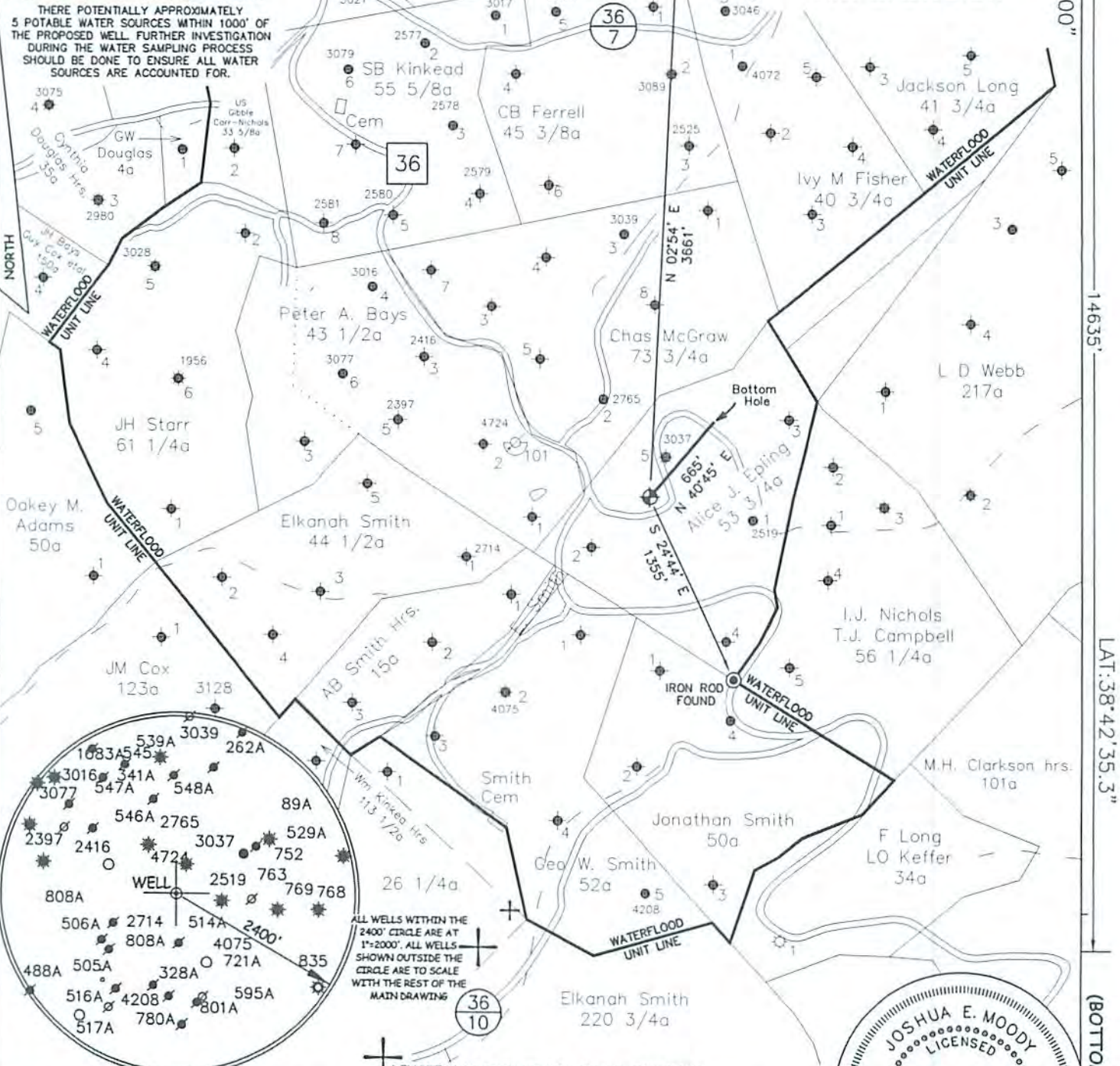
LAT: 38°42'35.3"

(BOTTOM HOLE: LAT:38°42'40.3")

- 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 adjoining 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

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,284,622m. E-475,796m.
Bottom Hole	N-4,284,776m. E-475,928m.

LOCATION REFERENCES	
MAGNETIC BEARING	N 44° E 81.4' 8" RED OAK N 65° W 111.9' 8" MAPLE



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



JOSHUA E. MOODY, P.S. 2020
DATE 12/15/14
OPERATOR'S WELL
A.J. EPLING # 211

WEST VIRGINIA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

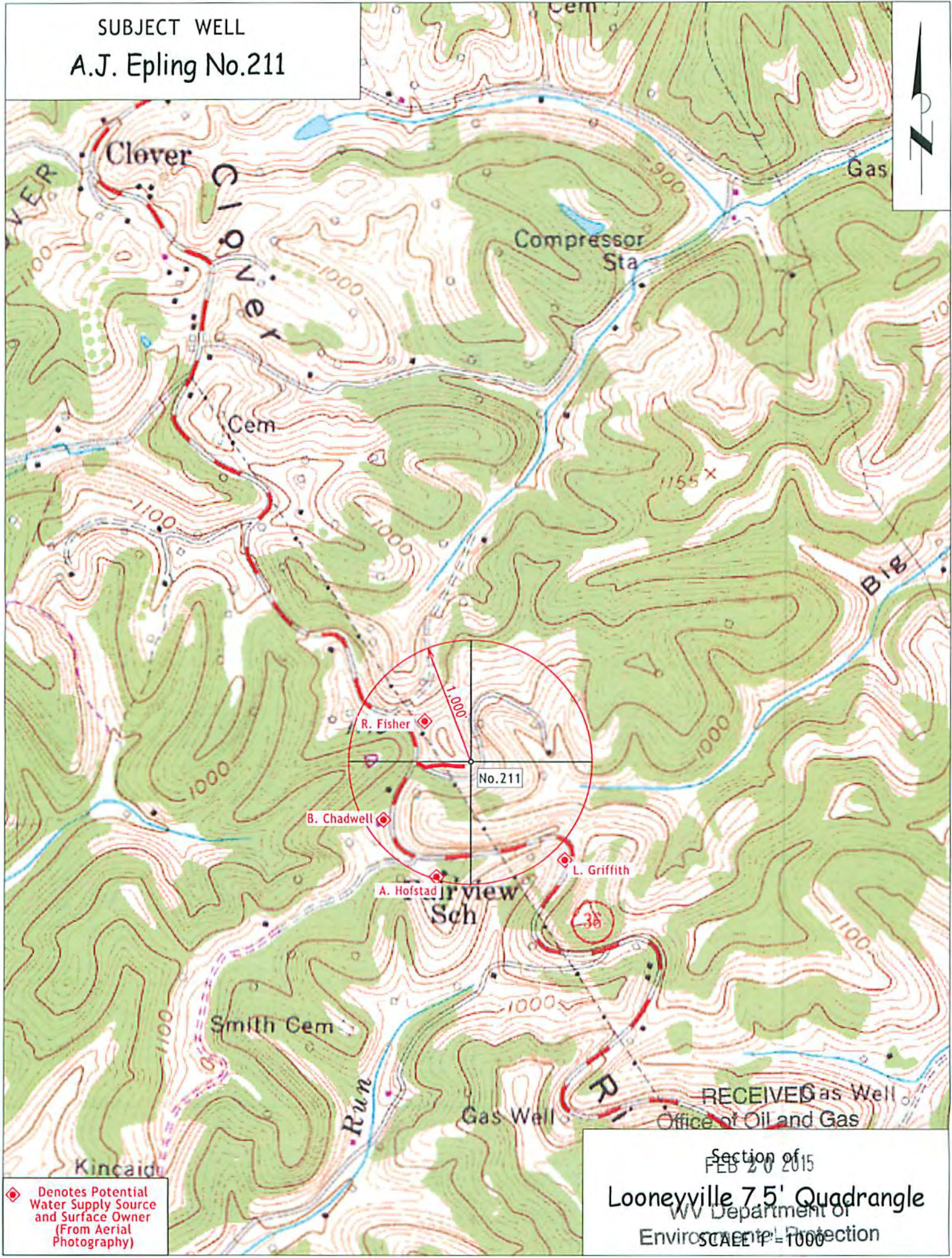
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1189' WATERSHED BIG HOLLOW
DISTRICT SMITHFIELD COUNTY ROANE
QUADRANGLE LOONEYVILLE 7.5'

RECEIVED
Office of Oil and Gas
APR WELL #
47 - 087 - 04-771
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 40°45' E 865')
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BIG INJUN
WELL OPERATOR H.G. ENERGY, LLC
ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101

RECEIVED
Office of Oil and Gas
FEB 20 2015
WV Department of
Environmental Protection

SUBJECT WELL
A.J. Epling No.211



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

Section of
FEB 20 2015
Looneyville 7.5' Quadrangle
WV Department of
Environmental Protection
SCALE 1" = 1000'