

LON: -81°17'17.9"

10930'

LON: 81°15'00"

LAT: 38°42'24.6"

- 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 adjoining 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)

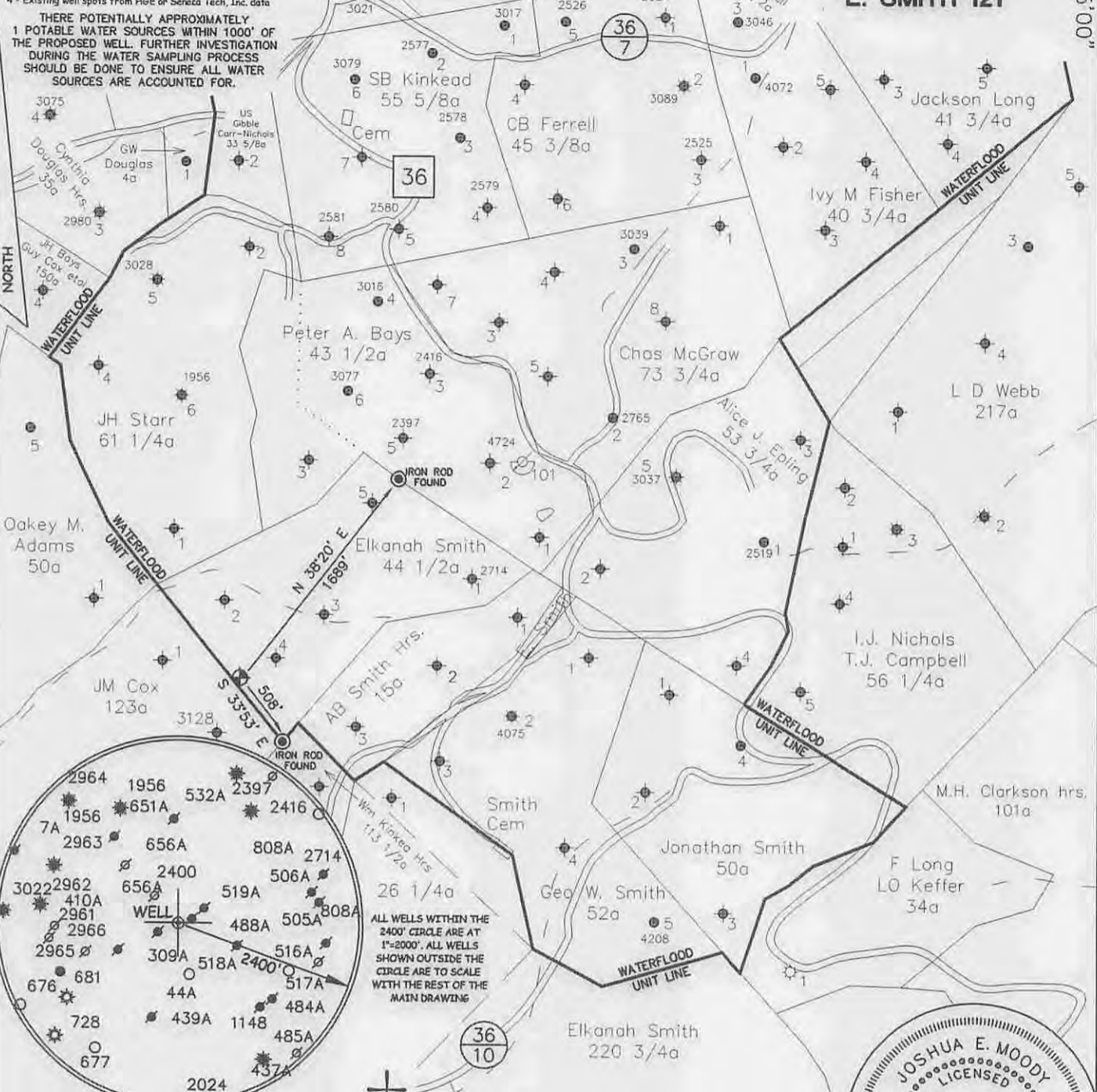
Surface N-4,284,292m.
E-474,946m.

LOCATION REFERENCES

MAGNETIC BEARING
N 66° W 83.0' 10" HICKORY IN FENCE
N 15° E 98.0' 12" CHERRY

LAT: 38°42'30"

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
E. SMITH 121**



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



JOSHUA E. MOODY, P.S. 2020
DATE 12/15/14
OPERATOR'S WELL E. SMITH # 121

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1148' WATERSHED LAUREL FORK API WELL #
DISTRICT SMITHFIELD COUNTY ROANE 47 - 087 - 047615
QUADRANGLE LOONEYVILLE 7.5' STATE COUNTY PERMIT

SURFACE OWNER RONALD G. & BRENDA S. CHADWELL ACREAGE 50.00 ACRES +/-
OIL & GAS ROYALTY OWNER FREEHOLD COMPANY ET AL LEASE ACREAGE 50.00 ACRES +/-
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY)
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BIG INJUN ESTIMATED DEPTH TVD=2,270'
WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT DIANE WHITE
ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

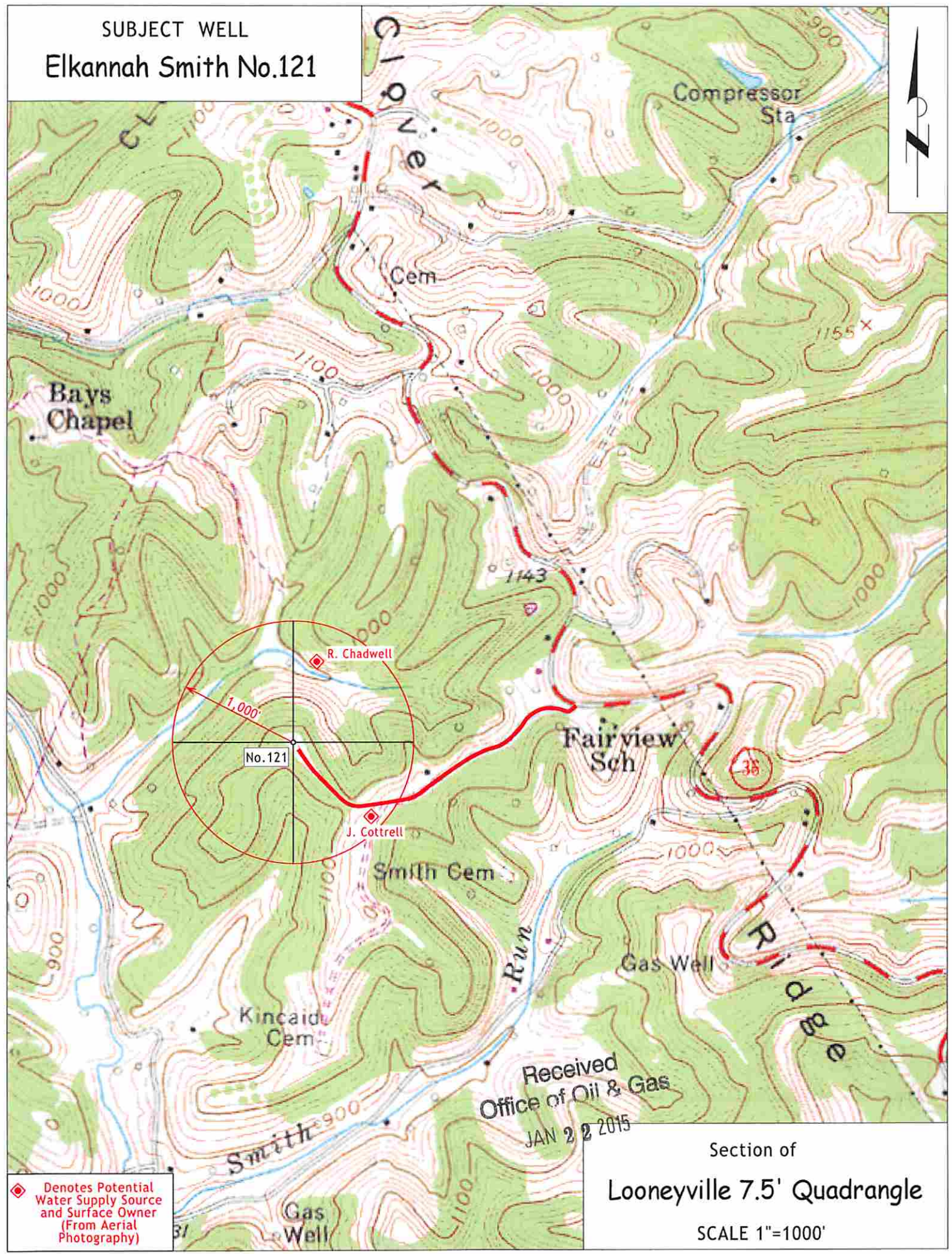
FORM WW-6

LEASE # 60232-50

COUNTY NAME PERMIT

02/13/2015

SUBJECT WELL
Elkannah Smith No.121



◆ 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'