

(BOT. HL: LON:-81°16'44.9")

LON: -81°16'51.9"

8870'

LON: 81°15'00"

12955'

LAT: 38°42'51.9"

(BOTTOM HOLE: LAT:38°42'47.6")

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 1927).

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.

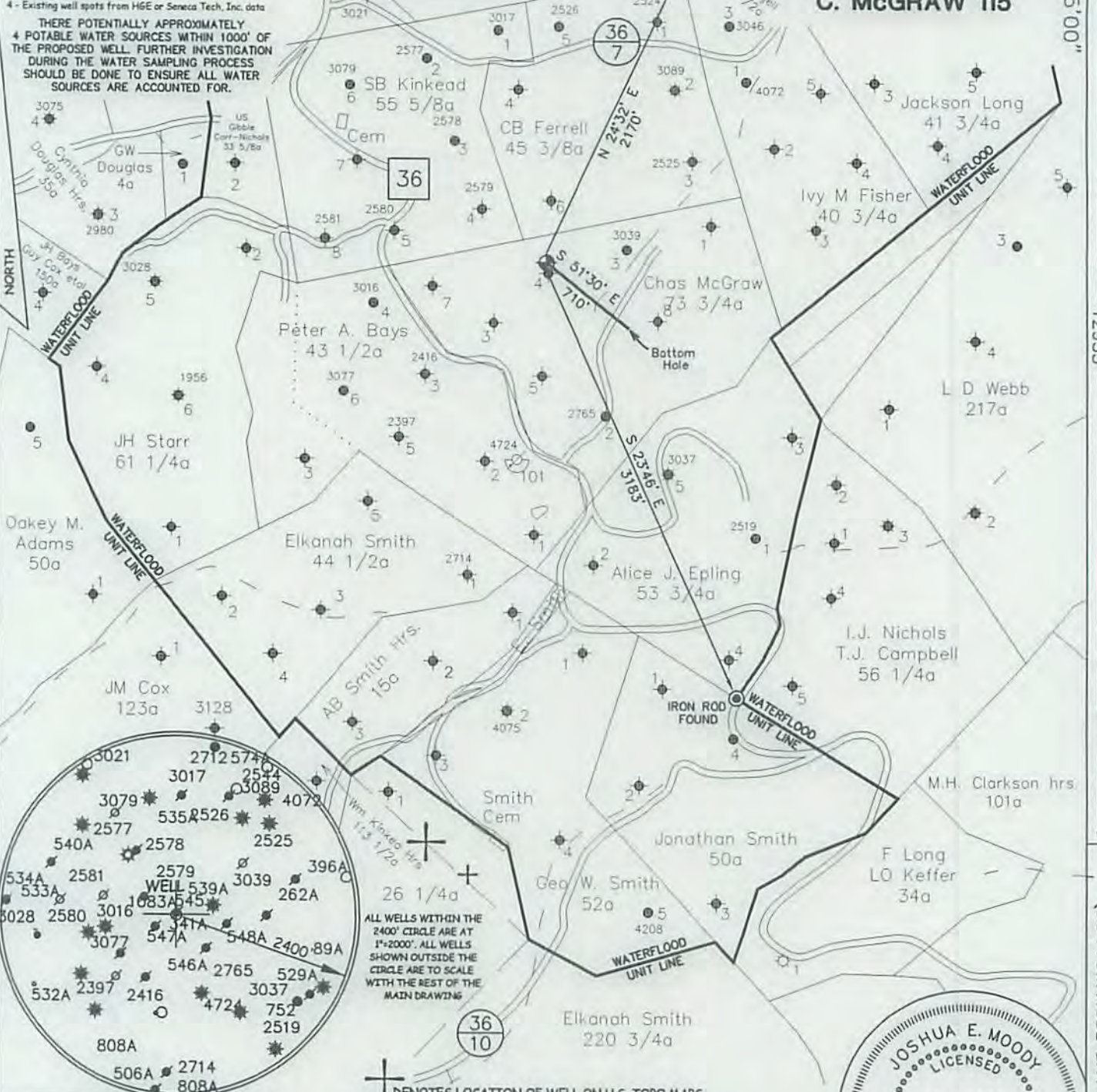
4 - Existing well spots from HGE or Seneca Tech, Inc. data

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,285,135m. E-475,577m.
Bottom Hole	N-4,285,000m. E-475,747m.

LOCATION REFERENCES	
MAGNETIC BEARING	
S 81° W 134.9' 15" RED OAK	
DUE SOUTH 72.4' PLUG WELL CM #4	

LAT: 38°45'00"

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
C. McGRAW 115**



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

JOSHUA E. MOODY, P.S. 2020
DATE 12/15/14
OPERATOR'S WELL
C. McGRAW # 115

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 1111' WATERSHED RUSH CREEK OF HENRYS FORK API WELL # 47-087-047585
DISTRICT SMITHFIELD COUNTY ROANE STATE WV COUNTY ROANE PERMIT 047585
QUADRANGLE LOONEYVILLE 7.5'

SURFACE OWNER DOLORES ATKINSON (TRUSTEE), RICHARD & RONALD FISCHER ACREAGE 40.00 ACRES +/-
OIL & GAS ROYALTY OWNER GEORGE W. CARR ET AL LEASE ACREAGE 75.00 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 (S 51°30' E 710')
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BIG INJUN
WELL OPERATOR H.G. ENERGY, LLC ESTIMATED DEPTH TVD=2,235' MD=2,740'
ADDRESS 5260 DuPONT ROAD DESIGNATED AGENT DIANE WHITE
PARKERSBURG, WV 26101 ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101

FORM WW-6

LEASE # 61420-50

02/27/2015

SUBJECT WELL
Charles McGraw No.115



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

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