

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)

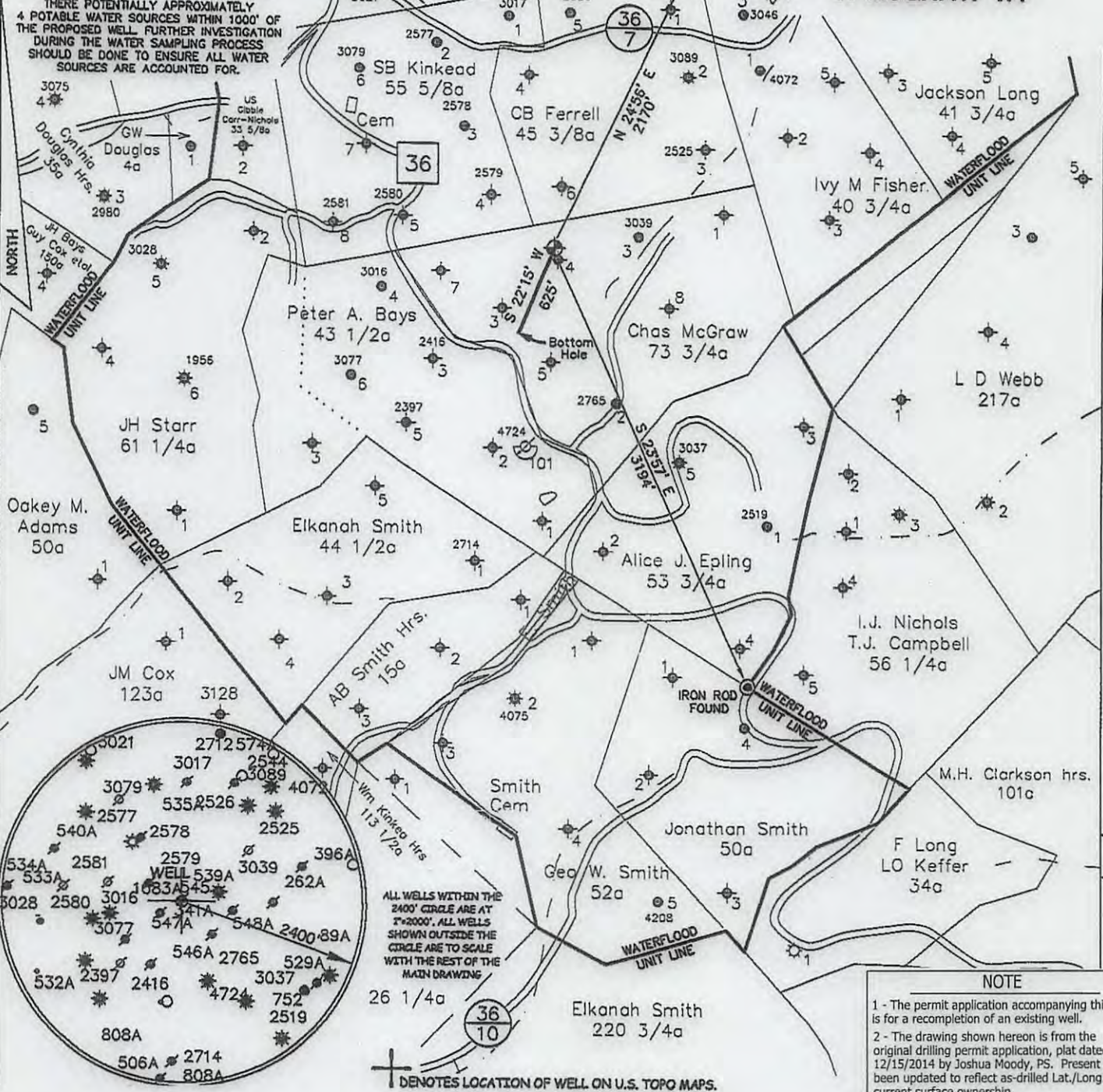
Surface N-4,285,136m.
E-475,573m.

Bottom Hole N-4,284,960m.
E-475,501m.

LOCATION REFERENCES

MAGNETIC BEARING
S 76° W 124.7' 15" RED OAK
S 06° E 81.2' PLUG WELL CM #4

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
C. MCGRAW 114**



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.

NOTE

1 - The permit application accompanying this plat is for a recompletion of an existing well.

2 - The drawing shown hereon is from the original drilling permit application, plat dated 12/15/2014 by Joshua Moody, PS. Present plat has been updated to reflect as-drilled Lat./Long. and current surface ownership.

FILE NO. _____

SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY _____

PROVEN SOURCE OF ELEVATION DGPS Survey
(Sub-Meter Mapping Grade)

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 PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) [Signature]
TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
Division of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, West Virginia 25301



DATE April 23, 2018

FARM Charles McGraw No.114

API WELL NO. 47 - 087 - 04759 W

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION X WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___

LOCATION: ELEVATION 1,111' WATERSHED Rush Run

DISTRICT Smithfield COUNTY Roane

QUADRANGLE Looneyville 7.5'

SURFACE OWNER Richard W. Fisher, et al. ACREAGE 40 Ac.

OIL & GAS ROYALTY OWNER George W. Carr, et al. LEASE ACREAGE 75 Ac.

LEASE NO. _____

PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___

TARGET FORMATION Big Injun ESTIMATED DEPTH 2,480' MD

WELL OPERATOR HG Energy LLC. DESIGNATED AGENT Diane White

ADDRESS 5260 DuPont Road ADDRESS 5260 DuPont Road

Parkersburg, WV 26101 Parkersburg, WV 26101

07/13/2018

SUBJECT WELL
Charles McGraw No.114
47-087-04759



RECEIVED
Office of Oil and Gas
JUN 15 2018
Section of
WV Department of
Environmental Protection
Looneyville 7.5" Quadrangle
07/13/2018
SCALE 1"=1000'