

Longitude = 81°17' 11.02"

10,380'

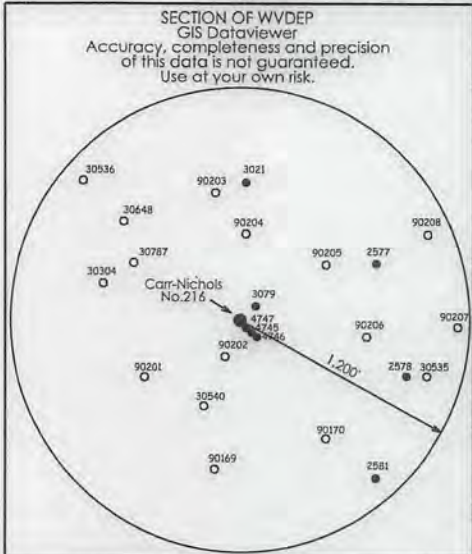
LATITUDE 38° 45' 00"

LONGITUDE 81° 15' 00"

11,805'

Bottom Hole Lat. = 38° 43' 10.2"

Latitude = 38° 43' 03.31"



Well Coordinates
UTM (NAD83) - Meters

Surface	Bottom Hole
N - 4,285,487 E - 475,116	N - 4,285,700 E - 475,034

Location References
(Magnetic Bearing - Slope Dist.)

S29°E 69' SBK No.200
S83°W 68' 6" Gum

NOTES ON SURVEY

- 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).
- Latitude/Longitude shown are NAD 1927.
- Surface owner information obtained from the Roane County Assessor's tax records.

- ◆ - DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.
- ⊕ - DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

FILE NO. 1486

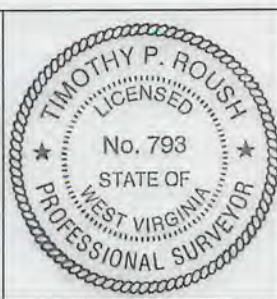
SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY Sub-Meter

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) *Timothy P. Roush*
TIMOTHY P. ROUSH PS 793



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



DATE February 22, 2016

FARM Carr - Nichols No.216

API WELL NO. 47 - 087 - 04786

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

LOCATION: ELEVATION 1,124' WATERSHED Edgell Fork
DISTRICT Smithfield COUNTY Roane
QUADRANGLE Looneyville 7.5'

SURFACE OWNER John R. McClain et al. ACREAGE 9.5 Ac.

OIL & GAS ROYALTY OWNER HG Energy, LLC., et al LEASE ACREAGE 48 Ac. 05/06/2016
LEASE NO. 60228-50

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 directionally drilled as shown.

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION Big Injun ESTIMATED DEPTH 2,414' MD

WELL OPERATOR HG Energy LLC. DESIGNATED AGENT Diane White
ADDRESS 5260 DuPont Road ADDRESS 5260 DuPont Road
Parkersburg, WV 26101 Parkersburg, WV 26101

SUBJECT WELL
Carr-Nichols No.216



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Looneyville 7.5' Quadrangle

SCALE 1"=1000' 05/06/2016