

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



DATE November 11, 2020
 FARM C.H. McGraw No. 205
 API WELL NO. 47-087-04748 W

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,120' WATERSHED Rush Run
 DISTRICT Smithfield COUNTY Boone
 QUADRANGLE Looneyville 7.5'
 SURFACE OWNER Ed Asbury
 OIL & GAS ROYALTY OWNER George W. Carr et al.
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW
 FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON CLEAN OUT AND REFLUG TARGET FORMATION Big Injun
 WELL OPERATOR Hg Energy LLC.
 ADDRESS 5260 Dupont Road Parkersburg, WV 26101
 DESIGNATED AGENT Diane White
 ADDRESS 5260 Dupont Road Parkersburg, WV 26101
 ESTIMATED DEPTH 2,601' MD

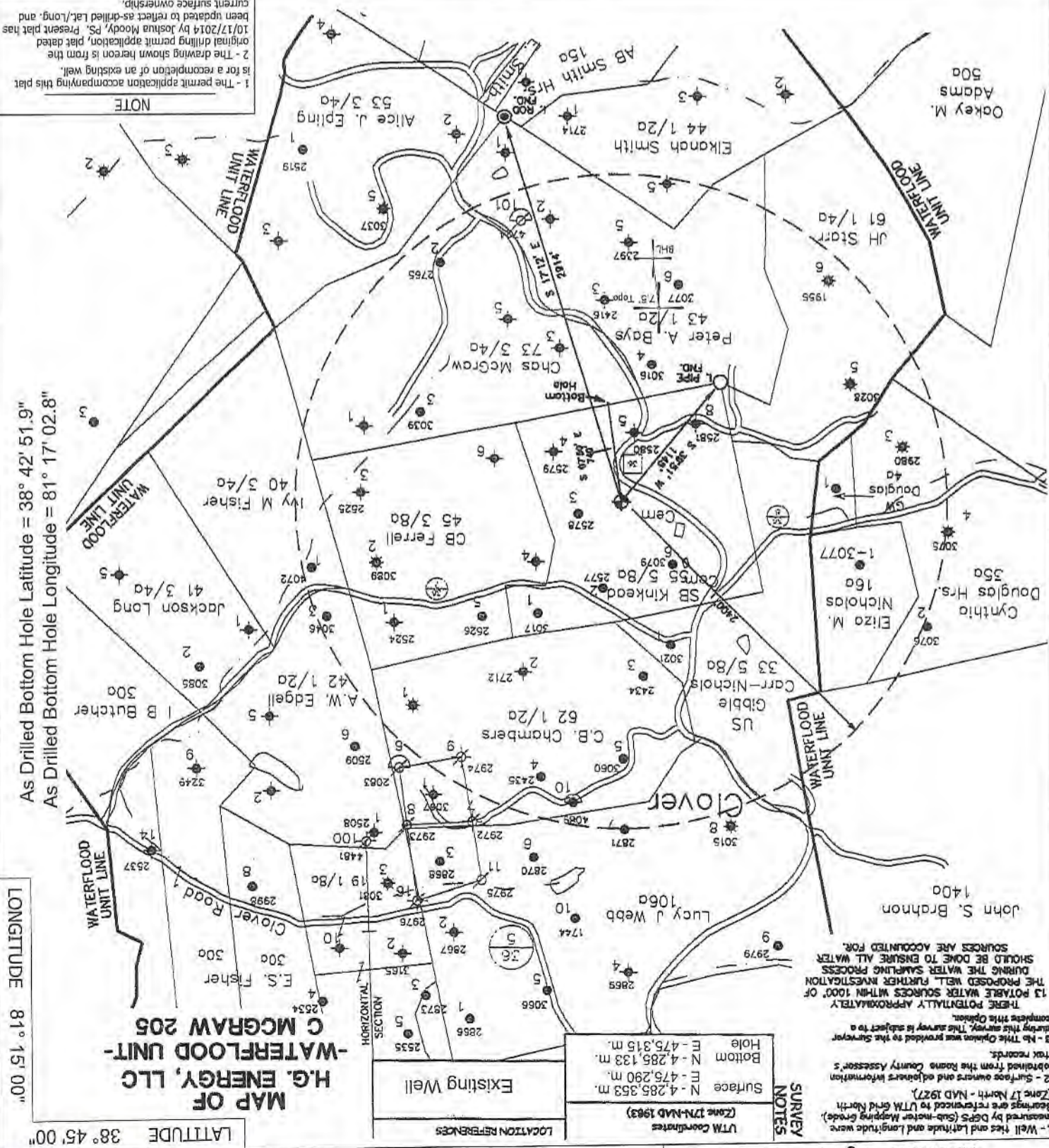
RECEIVED
 Office of Oil and Gas
 WV Department of Environmental Protection
 DEC 16 2020

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
 PLAN 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 PS 793



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 10/17/2014 by Joshua Moody, PS. Present plat has been updated to reflect as-drilled Lat./Long. and current surface ownership.



1 - Well 47-087-04748 W 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 owners' information obtained from the Boone County Assessor's tax records.
 3 - No The Operator was provided to the Surveyor during the survey. The survey is subject to a complete the Operator.
 THESE POTENTIALLY APPROXIMATELY 13 POTABLE WATER SOURCES WITHIN 100' OF THE PROPOSED WELL. FURTHER INVESTIGATION SHOULD BE DONE TO ENSURE ALL WATER SOURCES ARE ACCOUNTED FOR.

SURVEY NOTES

Surface	N - 4,285,353 m.
Bottom	N - 4,285,133 m.
Hole	E - 475,315 m.

LOCATION REFERENCES

UTM Coordinates (Zone 17N-MAD 1983)	
Existing Well	

MAP OF H.G. ENERGY, LLC - WATERFLOOD UNIT - C MCGRAW 205

LATITUDE	38° 45' 00"
LONGITUDE	81° 15' 00"

As Drilled Bottom Hole Latitude = 38° 42' 51.9"
 As Drilled Bottom Hole Longitude = 81° 17' 02.8"

As Drilled Latitude = 38° 42' 59.0"

12.240"

As-Drilled Longitude = 81° 17' 03.8" 9.808' 47-087-04748 W

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.

THERE POTENTIALLY APPROXIMATELY 13 POTABLE WATER SOURCES WITHIN 1000' OF THE PROPOSED WELL. FURTHER INVESTIGATION DURING THE WATER SAMPLING PROCESS SHOULD BE DONE TO ENSURE ALL WATER SOURCES ARE ACCOUNTED FOR.

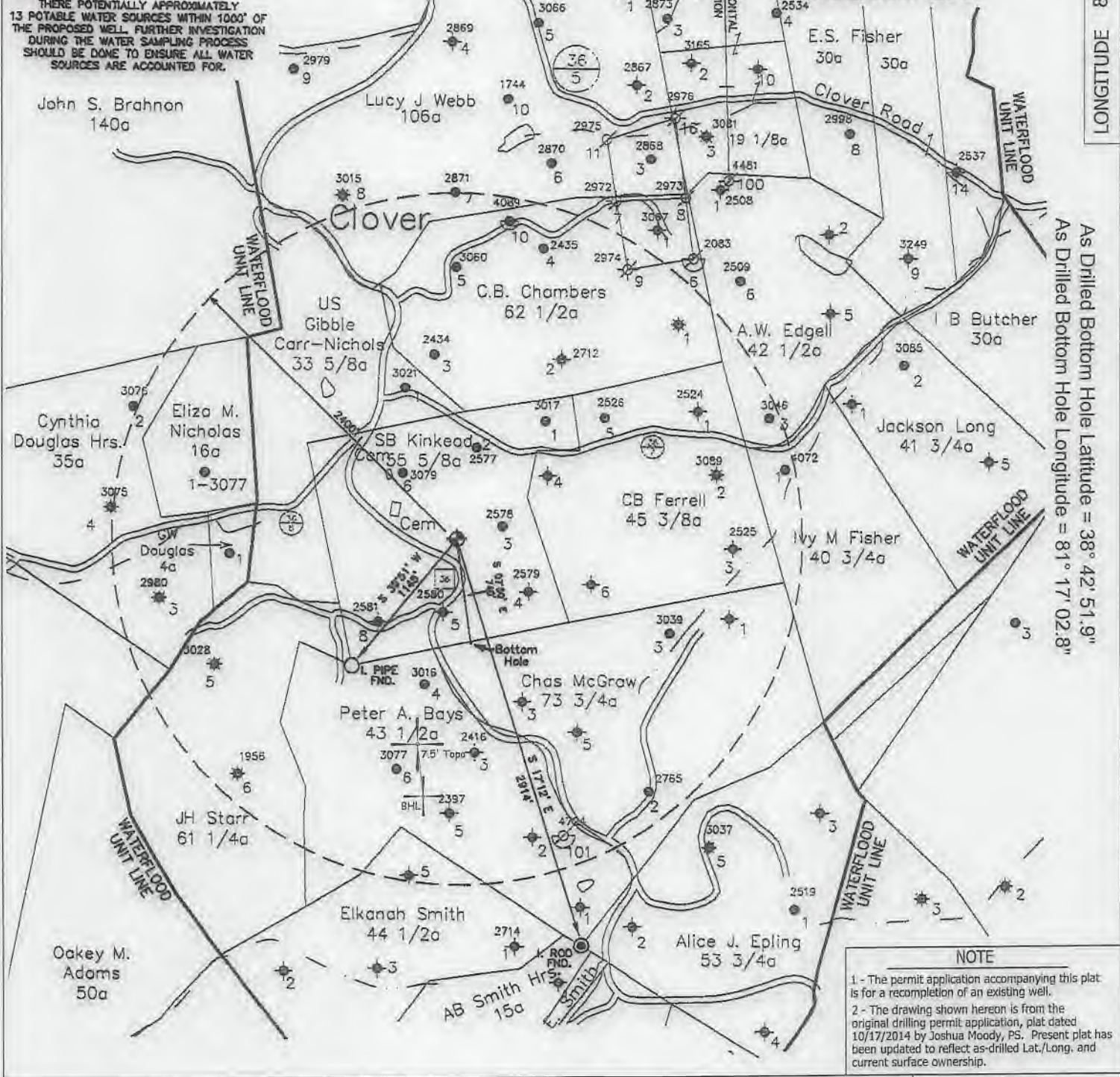
UTM Coordinates (Zone 17N-NAD 1983)

Surface	N - 4,285,353 m.
	E - 475,290 m.
Bottom	N - 4,285,133 m.
Hole	E - 475,315 m.

LOCATION REFERENCES

Existing Well

MAP OF H.G. ENERGY, LLC - WATERFLOOD UNIT - C MCGRAW 205



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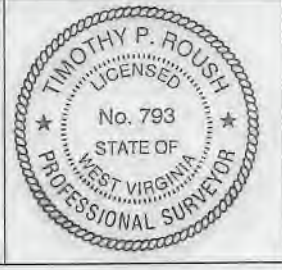
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(SIGNED) *[Signature]*
TIMOTHY P. ROUSH PS 793



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

DATE November 11, 2020

FARM C.H. McGraw No. 205

API WELL NO. 47 - 087 - 04748 W

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

LOCATION: ELEVATION 1,120' WATERSHED Rush Run

DISTRICT Smithfield COUNTY Roane

QUADRANGLE Looneyville 7.5'

SURFACE OWNER Ed Asbury ACREAGE 22 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 PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

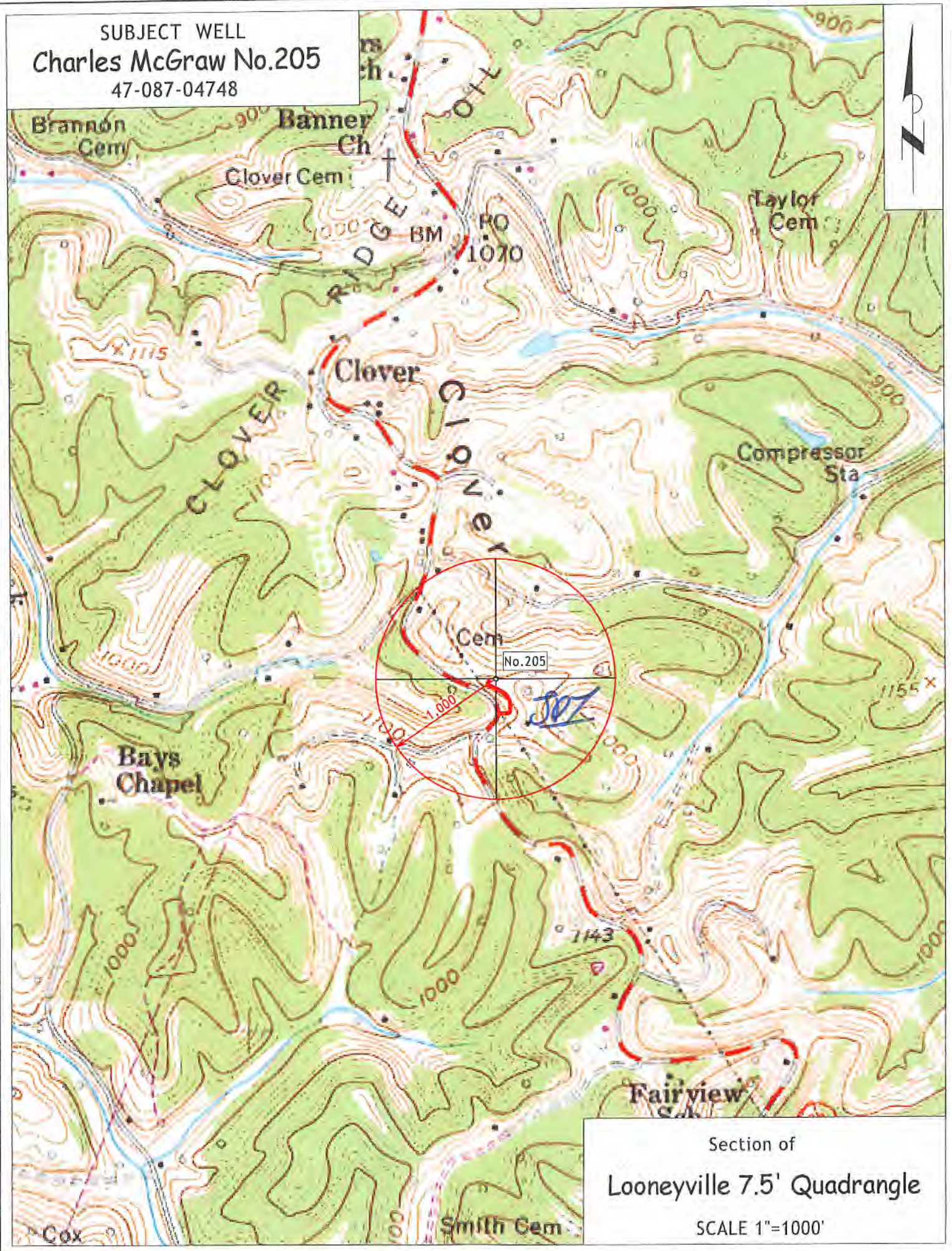
TARGET FORMATION Big Injun ESTIMATED DEPTH 2,601' MD

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
Charles McGraw No.205
47-087-04748



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