

- 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 Lincoln 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.**

**SURVEY NOTES**

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N - 4,232,190 E - 416,066
Bottom Hole	N - 4,232,052 E - 416,144

LOCATION REFERENCES	
MAGNETIC BEARING	
EXISTING WELL	

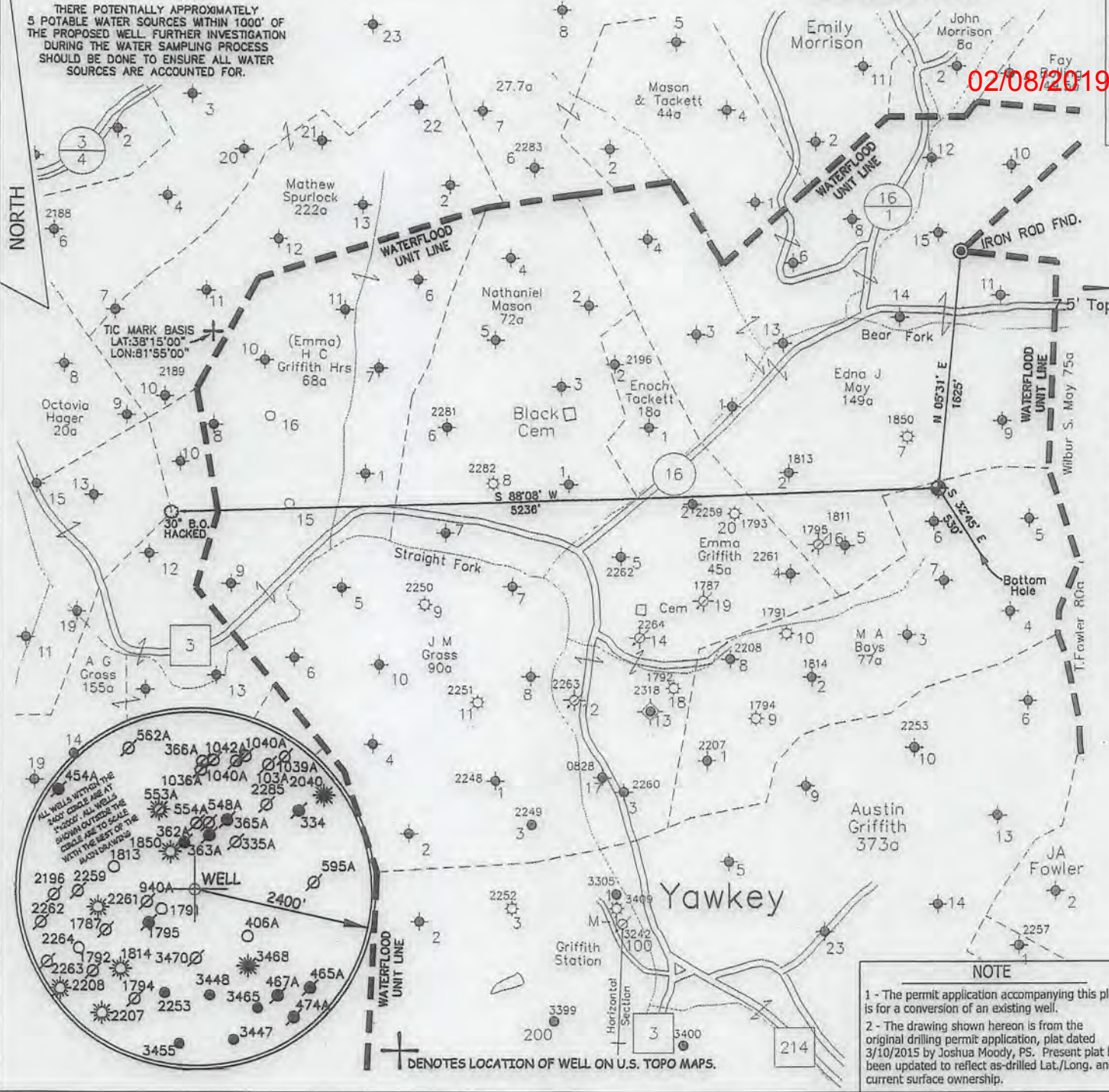
LATITUDE 38° 15' 00"

# MAP OF H.G. ENERGY, LLC - WATERFLOOD UNIT- MA BAYS 231

LONGITUDE 81° 57' 30"

5,940'

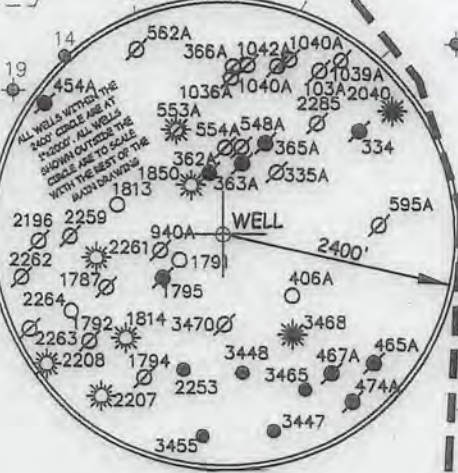
THERE POTENTIALLY APPROXIMATELY 5 POTABLE WATER SOURCES WITHIN 1000' OF THE PROPOSED WELL FURTHER INVESTIGATION DURING THE WATER SAMPLING PROCESS SHOULD BE DONE TO ENSURE ALL WATER SOURCES ARE ACCOUNTED FOR.



02/08/2019

TIC MARK BASIS  
LAT: 38° 15' 00"  
LON: 81° 55' 00"

30' B.O. HACKED



⊕ DENOTES LOCATION OF WELL ON U.S. TOPO MAPS.

**NOTE**

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

2 - The drawing shown hereon is from the original drilling permit application, plat dated 3/10/2015 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 September 27, 2018

FARM M.A. Bays No.231

API WELL NO. 47 - 043 - 03477 WS

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

LOCATION: ELEVATION 945' WATERSHED Bear Fork  
DISTRICT Duval COUNTY Lincoln  
QUADRANGLE Griffithville 7.5'

SURFACE OWNER H.G. Energy, LLC ACREAGE 77 Ac.  
OIL & GAS ROYALTY OWNER HG Energy, LLC et al. LEASE ACREAGE 78 Ac.  
LEASE NO. 71073-50

PROPOSED WORK: DRILL \_\_\_ CONVERT X DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR  
STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW  
FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Convert to Liquid Injection Well

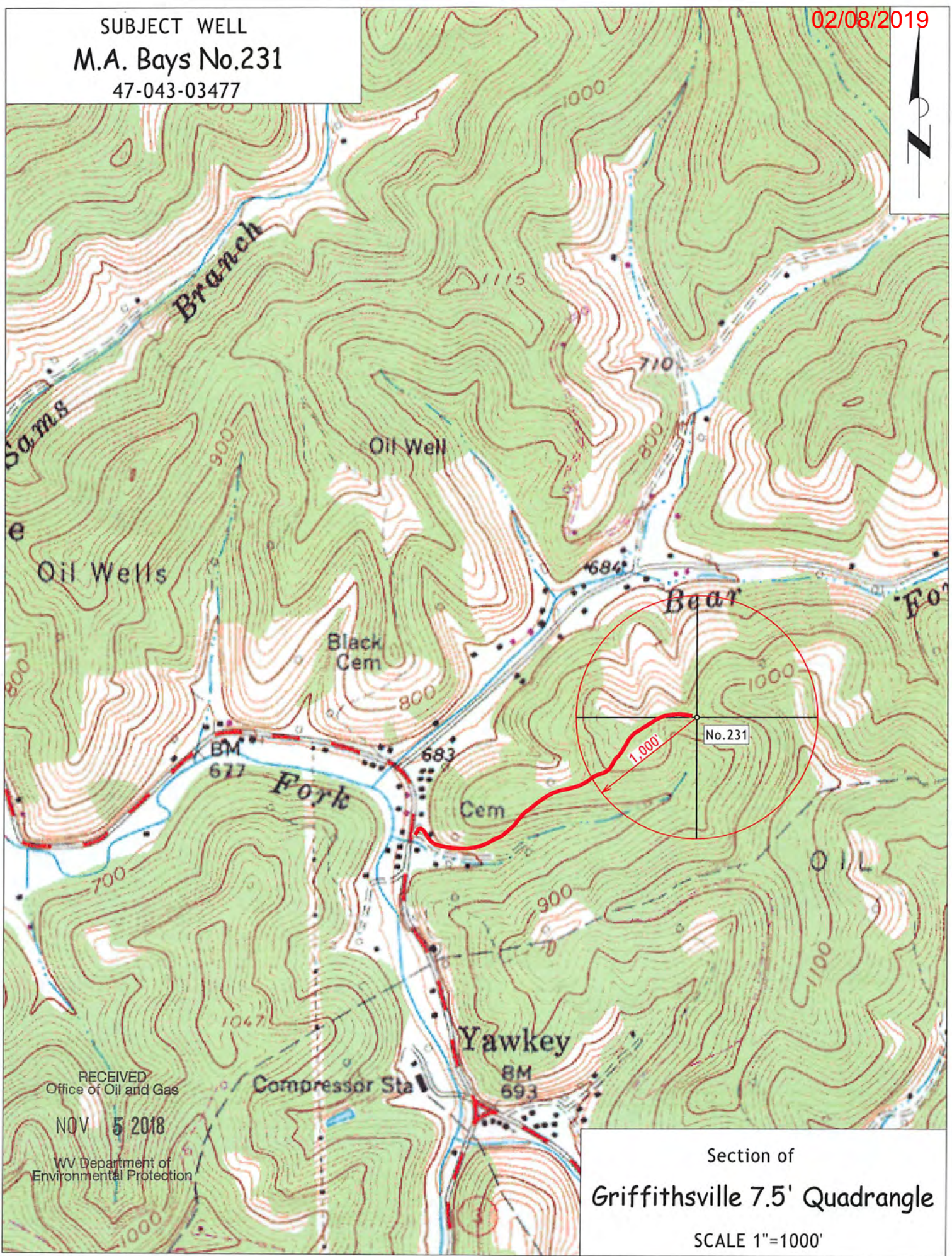
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_

TARGET FORMATION Berea ESTIMATED DEPTH 2,700' MD

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

02/08/2019

SUBJECT WELL  
M.A. Bays No.231  
47-043-03477



RECEIVED  
Office of Oil and Gas

NOV 5 2018

WV Department of  
Environmental Protection

Section of  
**Griffithsville 7.5' Quadrangle**  
SCALE 1"=1000'