

Bottom Hole Long.= 81°58' 07.7"

Longitude = 81°58' 12.81"

430 3562

3,415'

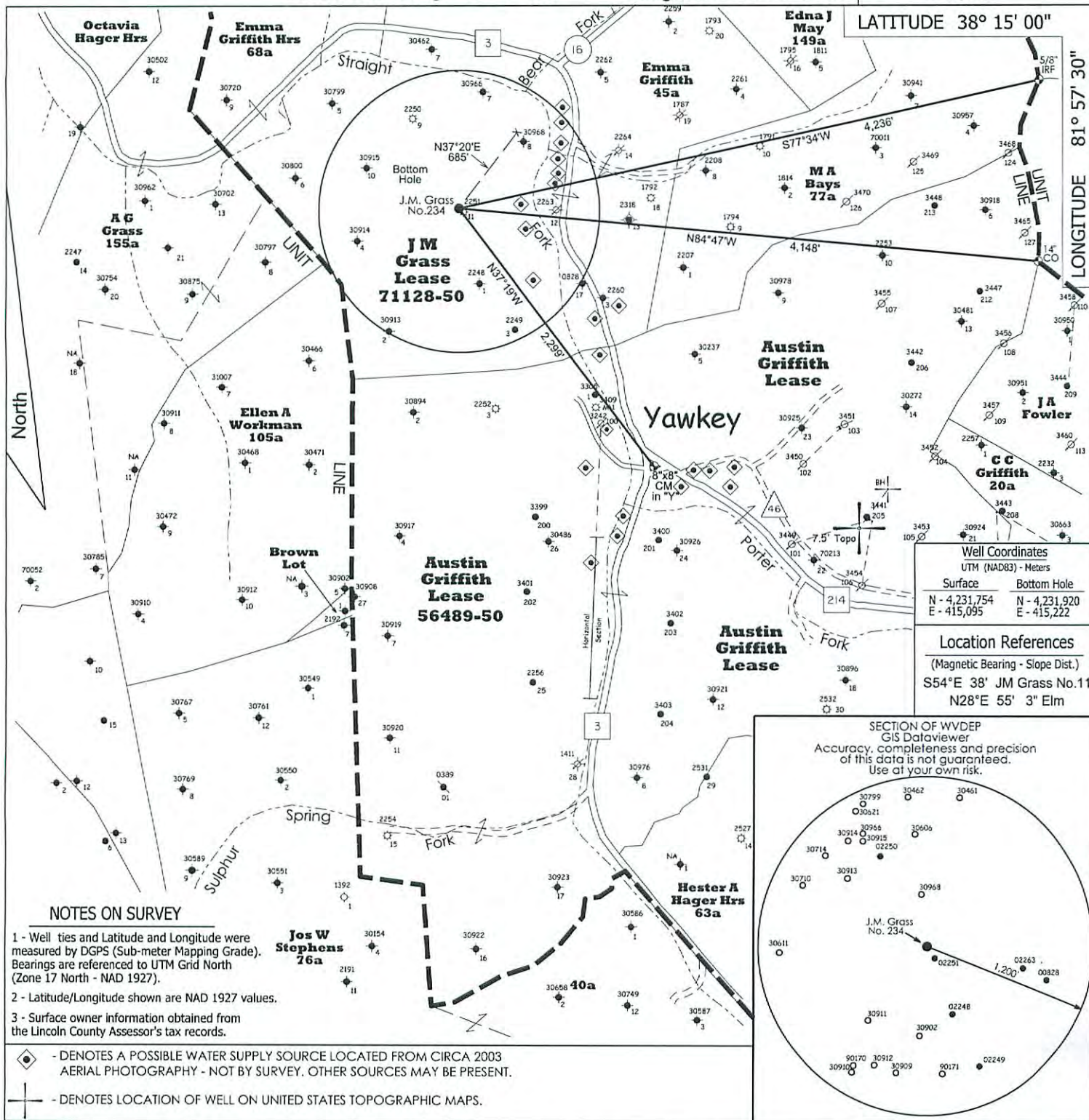
LATITUDE 38° 15' 00"

LONGITUDE 81° 57' 30"

7,400'

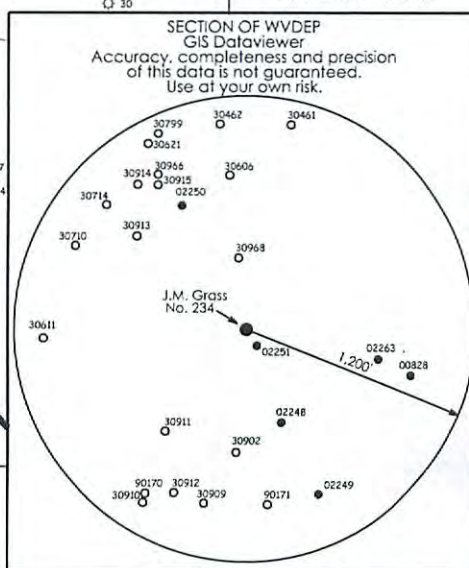
Latitude = 38° 13' 46.85"

Bottom Hole Lat. = 38° 13' 52.3"



Well Coordinates	
UTM (NAD83) - Meters	
Surface	Bottom Hole
N - 4,231,754	N - 4,231,920
E - 415,095	E - 415,222

Location References	
(Magnetic Bearing - Slope Dist.)	
S54°E 38'	JM Grass No.11
N28°E 55' 3"	Elm



NOTES ON SURVEY

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 - Latitude/Longitude shown are NAD 1927 values.

3 - Surface owner information obtained from the Lincoln 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. 1168

SCALE 1" = 1000'

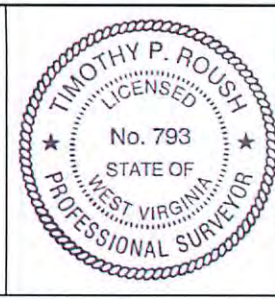
MINIMUM DEGREE OF ACCURACY Sub-Meter

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 PS 793



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



DATE November 18, 2015

FARM J.M. Grass No.234

API WELL NO. 47 - 043 - 03562

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

LOCATION: ELEVATION 815' WATERSHED Straight Fork

DISTRICT Duval COUNTY Lincoln

QUADRANGLE Griffithville 7.5'

SURFACE OWNER H.G. Energy, LLC. ACREAGE 47.88 Ac.

OIL & GAS ROYALTY OWNER HG Energy, LLC., et al LEASE ACREAGE 100 Ac. **01/29/2016**

LEASE NO. 71128-50

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

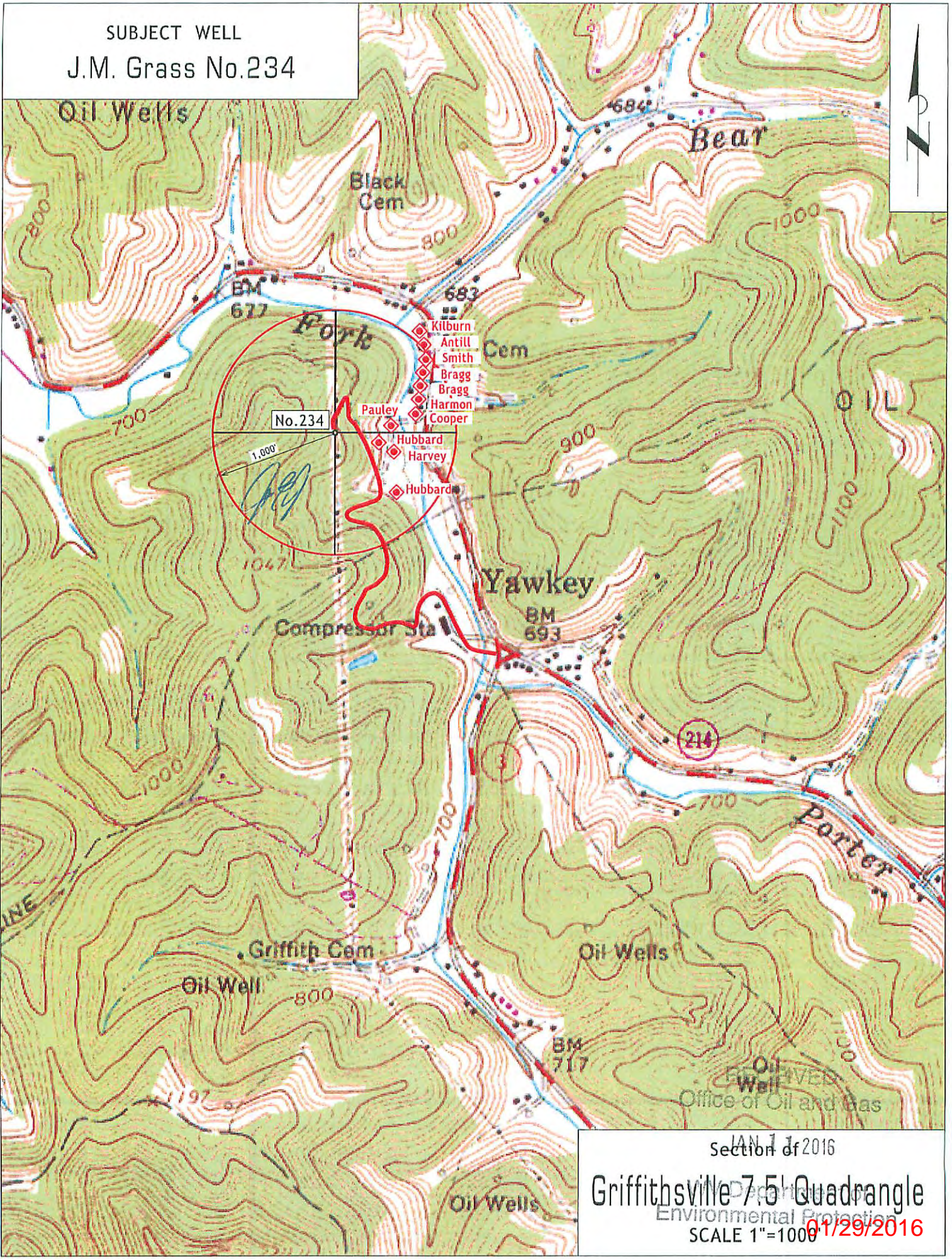
TARGET FORMATION Berea ESTIMATED DEPTH 3,036' MD

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

RECEIVED
Office of Oil and Gas
JAN 11 2016
WV Department of Environmental Protection

FORM IV-6

SUBJECT WELL
J.M. Grass No.234



Section of 2016

Griffithsville 7.5' Quadrangle

SCALE 1"=1000' 6/1/29/2016