

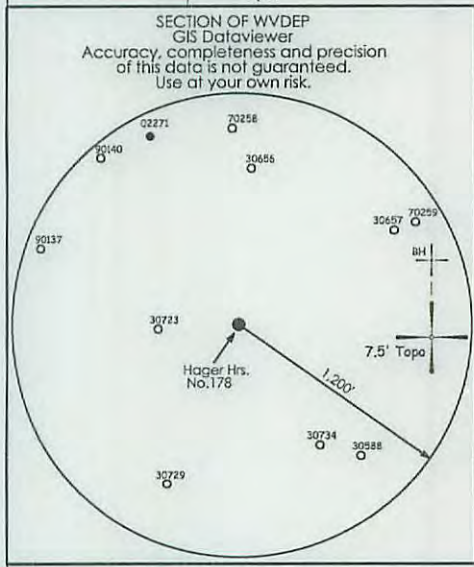
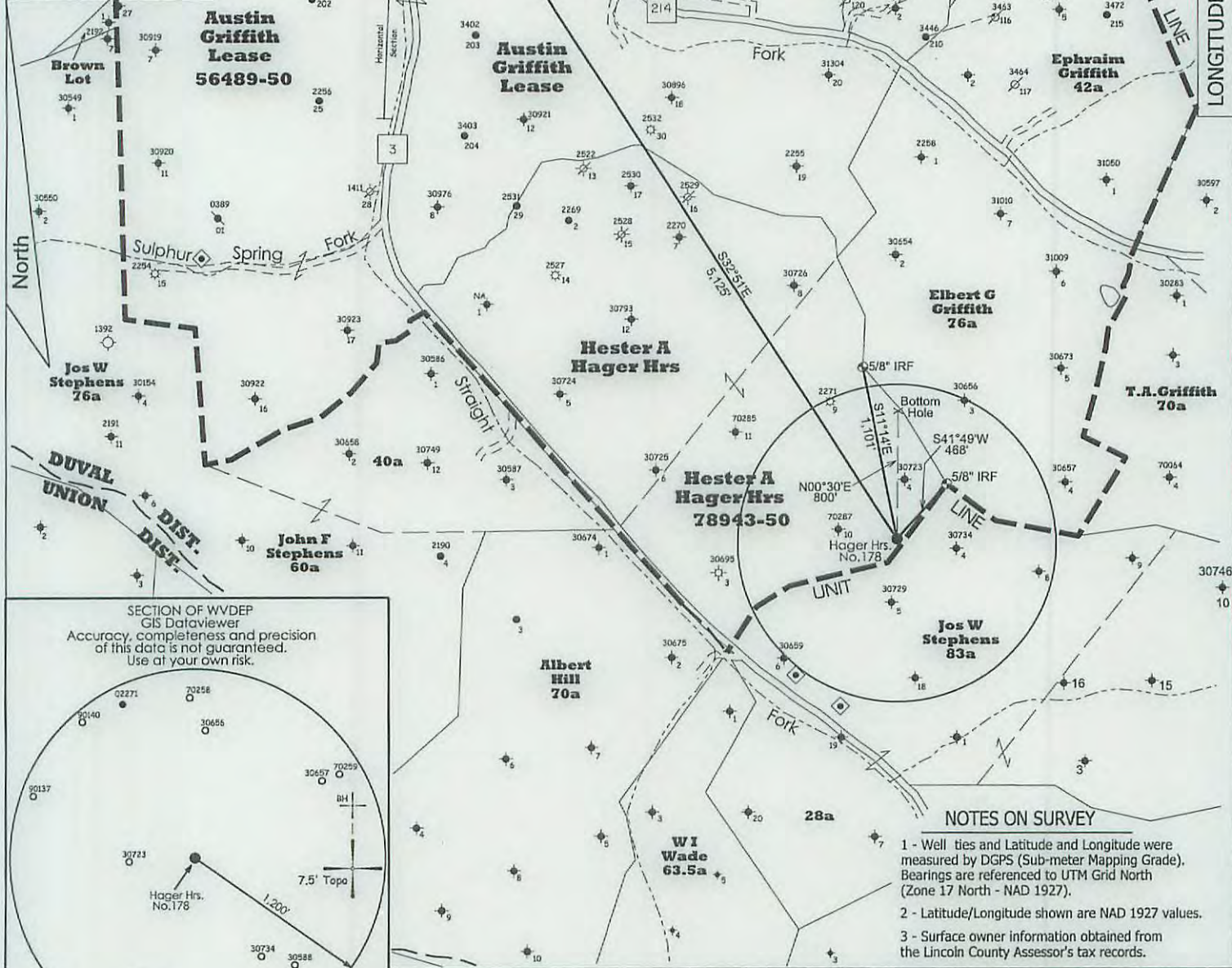
Longitude = 81°57' 19.70"

11,150'

Bottom Hole Long. = 81°57' 19.7"

LATITUDE 38° 15' 00"

Well Coordinates	
UTM (NAD83) - Meters	
Surface	Bottom Hole
N - 4,229,885	N - 4,230,129
E - 416,367	E - 416,369
Location References	
(Magnetic Bearing - Slope Dist.)	
S59°E 104' 10" Hickory	
N35°E 108' 2" Maple	



- 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. 1716

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 September 10, 2015

FARM Hager Heirs No.178

API WELL NO. 47 - 043 - 035555

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

LOCATION: ELEVATION 1,067' WATERSHED Straight Fork

DISTRICT Duval COUNTY Lincoln

QUADRANGLE Griffithville 7.5'

SURFACE OWNER Randy & Kelly Roberts and Stephen Egnor ACREAGE 63 Ac.; 148.46 Ac.

OIL & GAS ROYALTY OWNER HG Energy, LLC., et al LEASE ACREAGE 103 Ac. **01/01/2016**

LEASE NO. 78943-50

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 ___

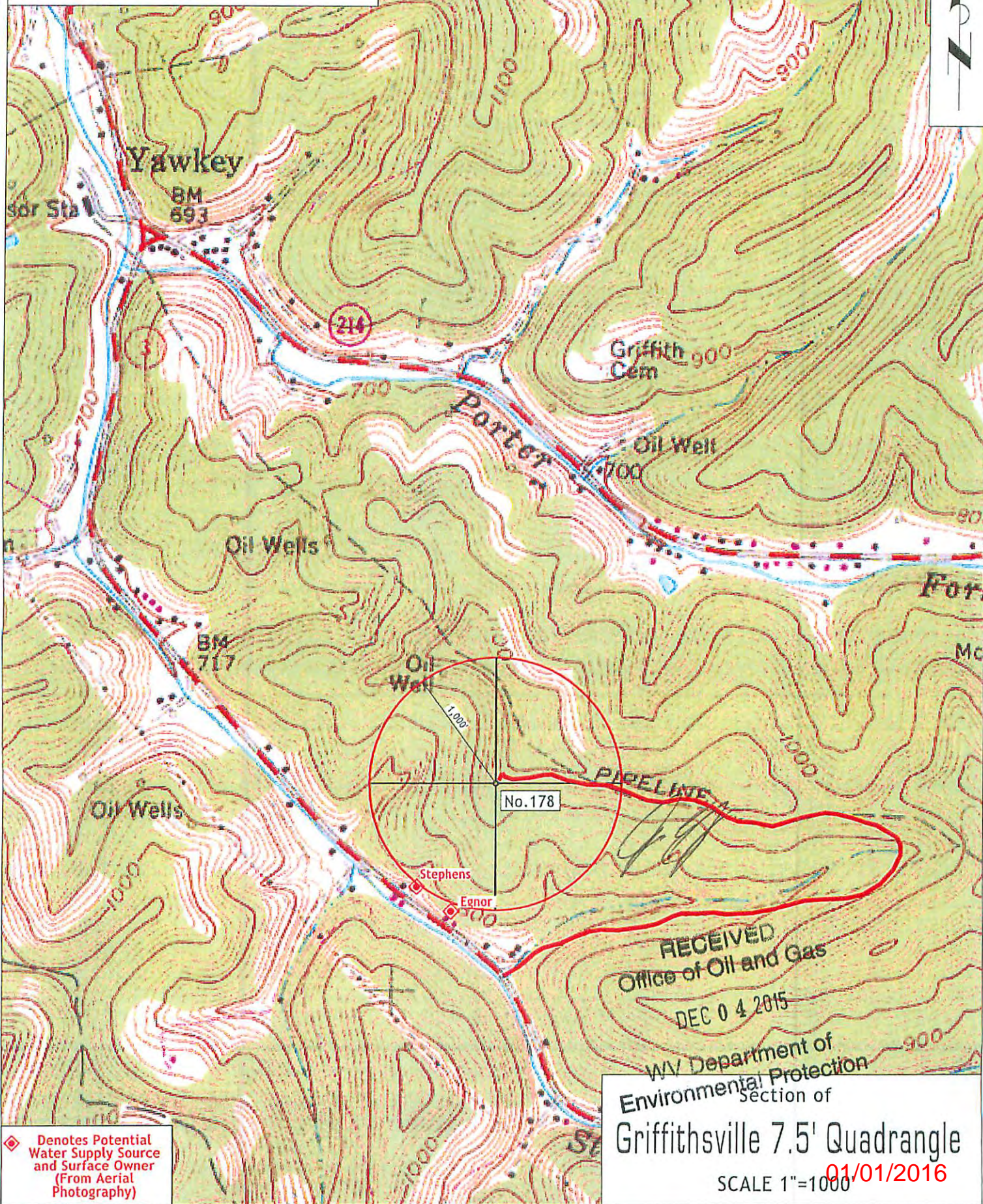
TARGET FORMATION Berea ESTIMATED DEPTH 3,337' MD

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

Longitude = 81° 55' 00" 13,510' Latitude = 38° 12' 46.62" Bottom Hole Lat. = 38° 12' 54.5"

FORM IV-6

SUBJECT WELL
Hager Heirs No.178



◆ Denotes Potential Water Supply Source and Surface Owner (From Aerial Photography)

RECEIVED
Office of Oil and Gas
DEC 04 2015

WV Department of Environmental Protection
Section of
Griffithsville 7.5' Quadrangle
SCALE 1"=1000
01/01/2016