

Longitude = 81°56' 40.59"

8,025'

LATITUDE 38° 15' 00"

Bottom Hole Long. = 81°56' 41.5"

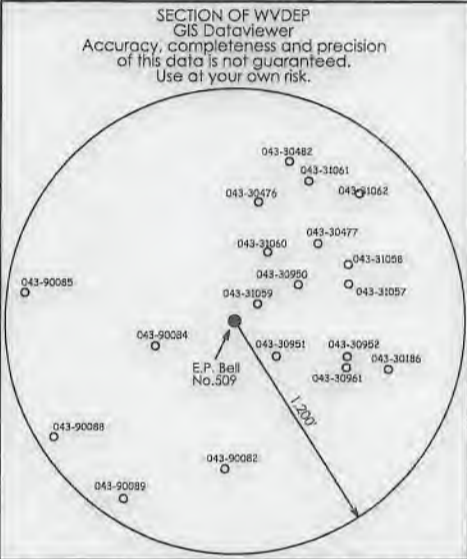
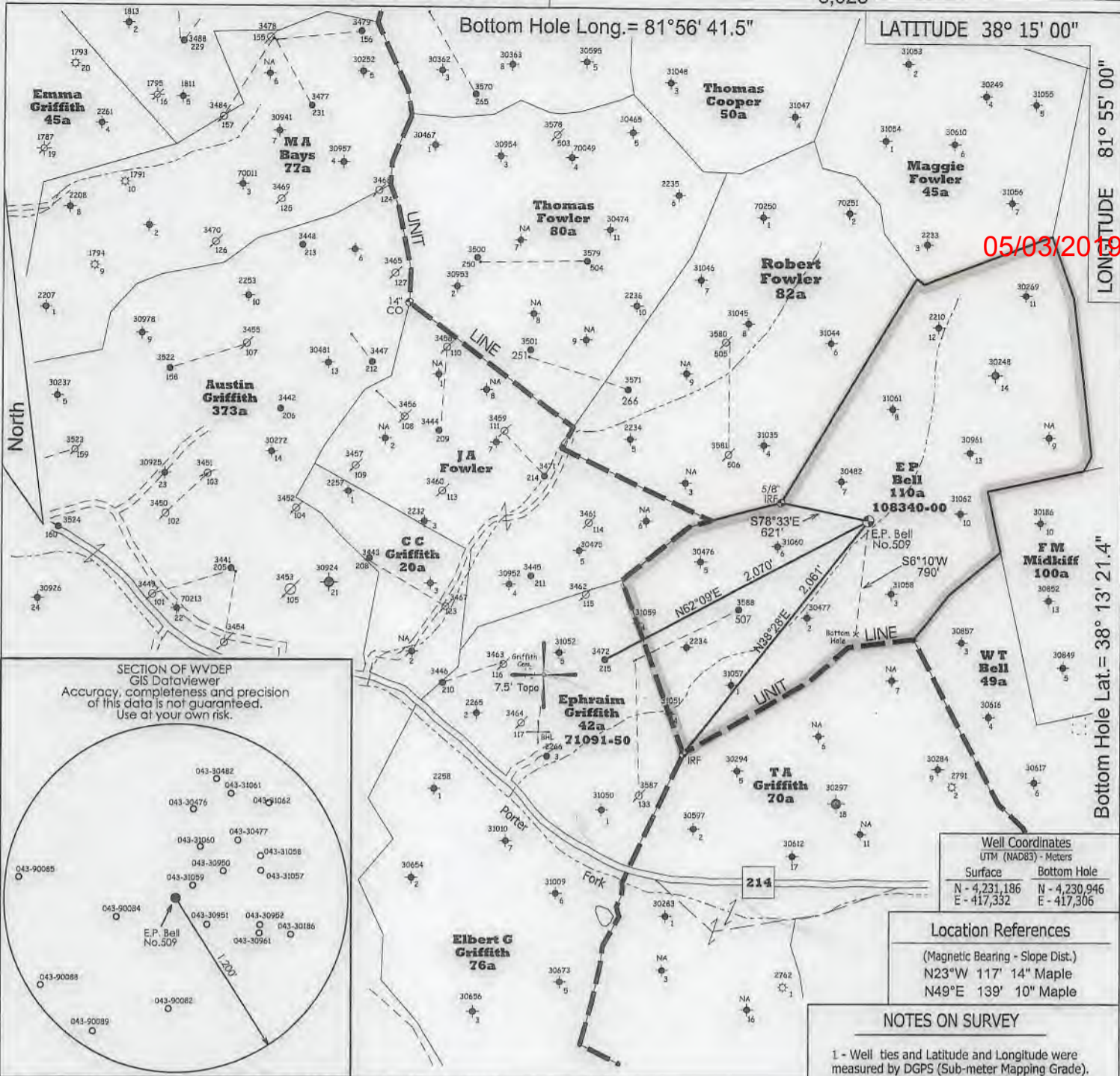
LONGITUDE 81° 55' 00"

9,190'

Bottom Hole Lat. = 38° 13' 21.4"

Latitude = 38° 13' 29.15"

05/03/2019



| Well Coordinates     |               |
|----------------------|---------------|
| UTM (NAD83) - Meters |               |
| Surface              | Bottom Hole   |
| N - 4,231,186        | N - 4,230,946 |
| E - 417,332          | E - 417,306   |

| Location References              |       |
|----------------------------------|-------|
| (Magnetic Bearing - Slope Dist.) |       |
| N23°W 117' 14"                   | Maple |
| N49°E 139' 10"                   | 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 - 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. \_\_\_\_\_

SCALE **1" = 1000'**

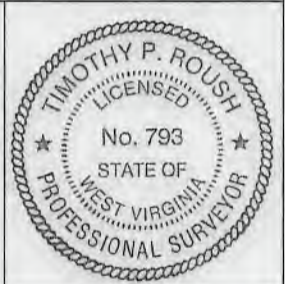
MINIMUM DEGREE OF ACCURACY **Sub-Meter**

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) *[Signature]*

TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
Division of Environmental Protection  
Office of Oil and Gas  
601 77th Street  
Charleston, West Virginia 25301



DATE March 3, 2019

FARM E.P. Bell No.509

API WELL NO. 47 - 043 - 035985

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

LOCATION: ELEVATION 903' WATERSHED Porter Fork  
DISTRICT Duval COUNTY Lincoln  
QUADRANGLE Griffithsville 7.5'

SURFACE OWNER HG Energy, LLC ACREAGE 152.13 Ac.  
OIL & GAS ROYALTY OWNER Susan M. Bryant et al. LEASE ACREAGE 110 Ac.  
LEASE NO. 108322-00

PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) NOTE: This well will be drilled directionally as shown on the plat above.

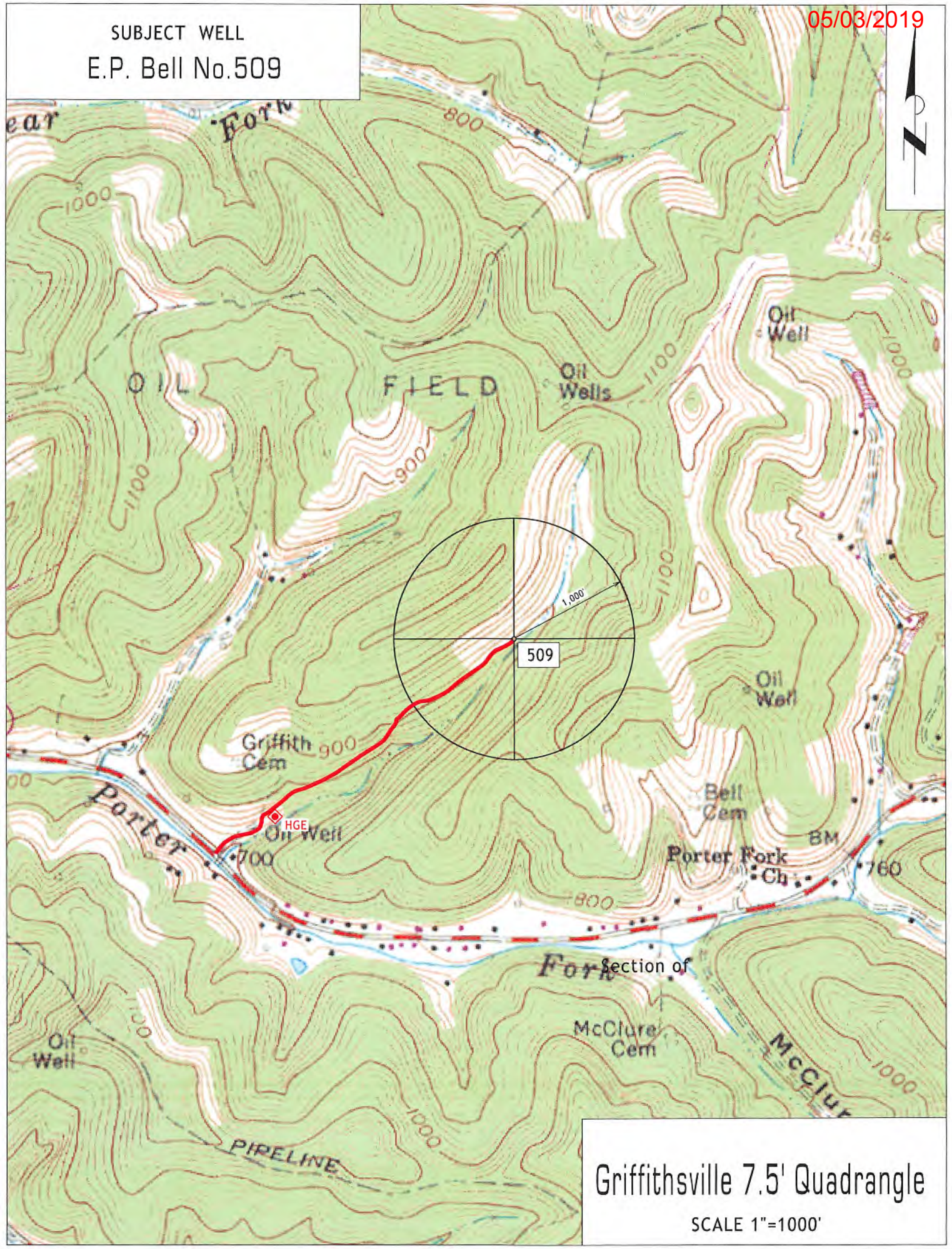
PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
TARGET FORMATION Berea ESTIMATED DEPTH TMD - 2,650'

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

FORM IV-6

05/03/2019

SUBJECT WELL  
E.P. Bell No.509



Griffithville 7.5' Quadrangle

SCALE 1"=1000'