

Longitude = 81°57' 00.64"

9,625'

Bottom Hole Long. = 81°56' 51.2"

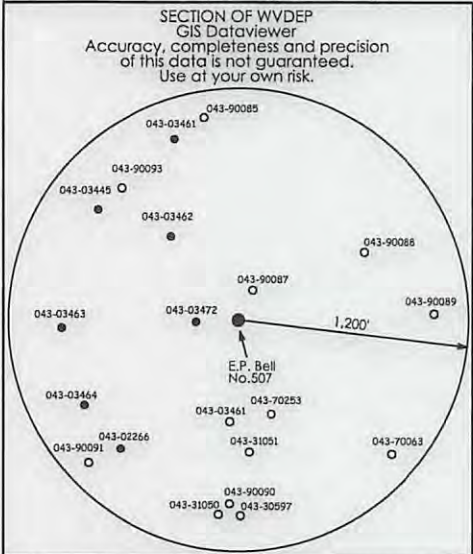
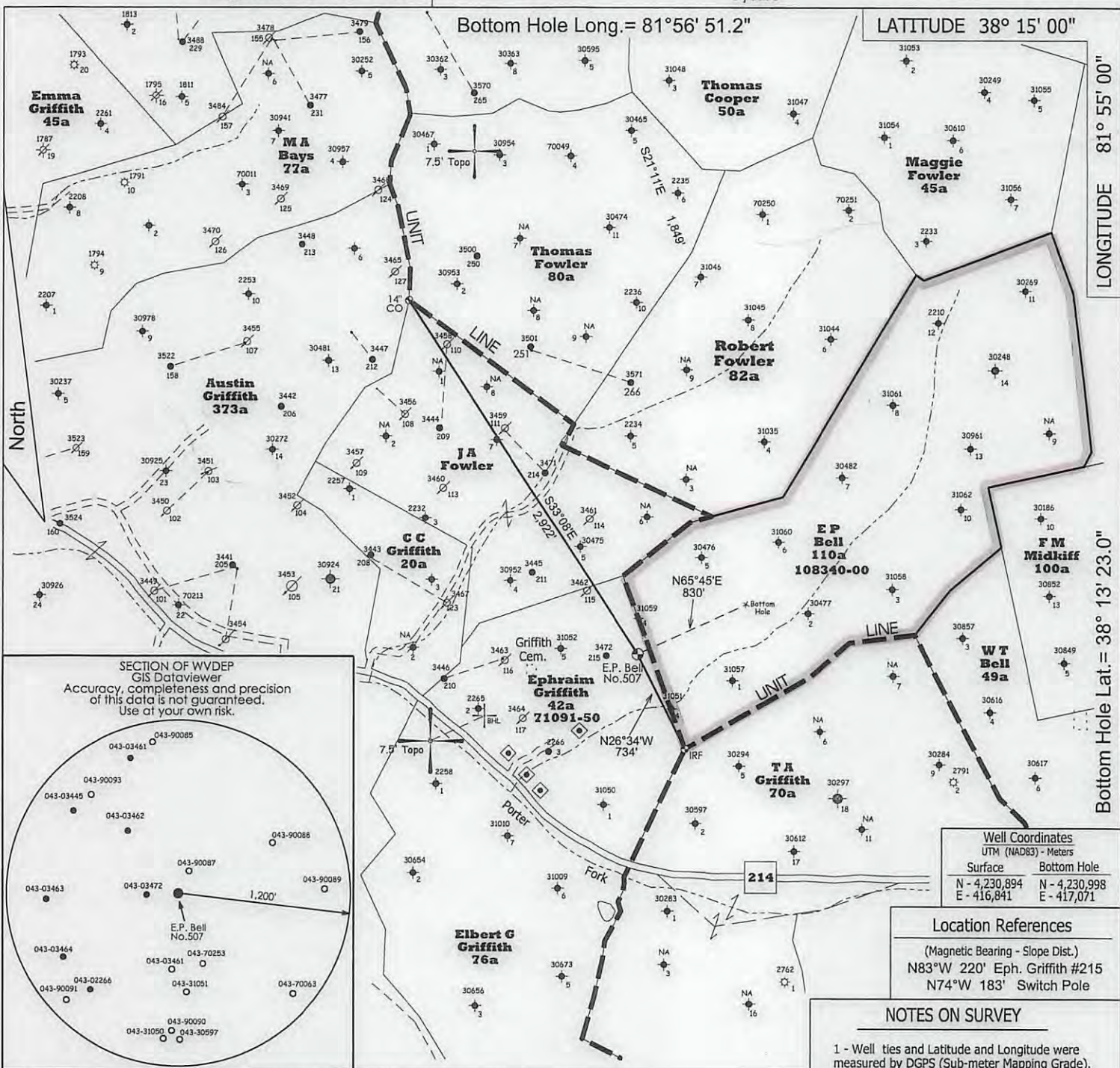
LATITUDE 38° 15' 00"

LONGITUDE 81° 55' 00"

10,165'

Bottom Hole Lat. = 38° 13' 23.0"

Latitude = 38° 13' 19.52"



Well Coordinates	
UTM (NAD83) - Meters	
Surface	Bottom Hole
N - 4,230,894	N - 4,230,998
E - 416,841	E - 417,071

Location References
 (Magnetic Bearing - Slope Dist.)
 N83°W 220' Eph. Griffith #215
 N74°W 183' Switch Pole


NOTES ON SURVEY

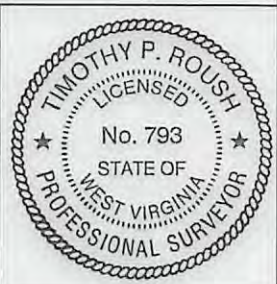
- 1 - Well ties and Latitude and Longitude were measured by DGPS (Sub-meter Mapping Grade). Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1927).
- 2 - Surface owner information obtained from the Lincoln County Assessor's tax records.

- ◆ - 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) 
TIMOTHY P. ROUSH PS 793



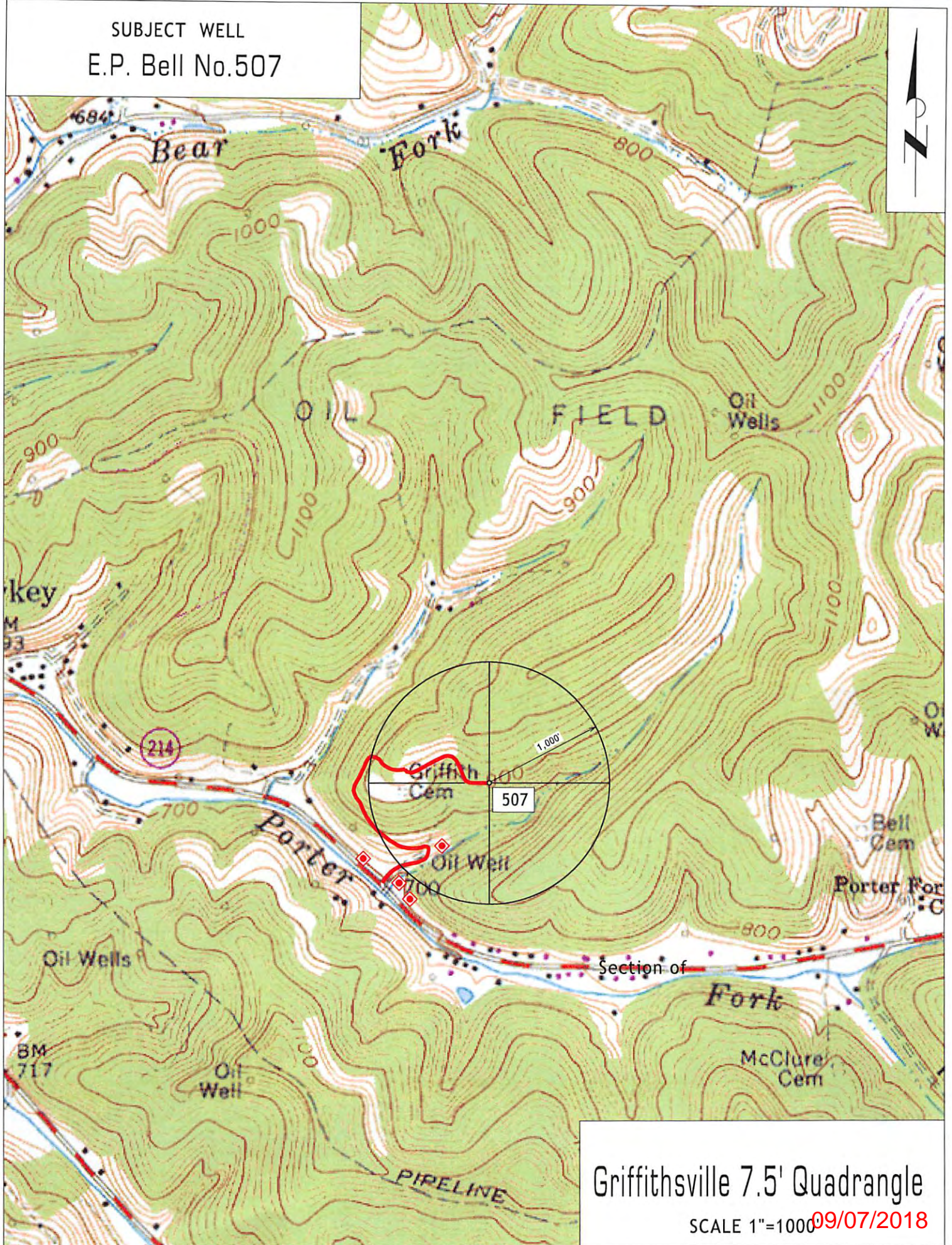
WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 601 57th Street
 Charleston, West Virginia 25301



DATE July 26, 2018
 FARM E.P. Bell No.507
 API WELL NO. 47 - 043 - 03588S

WELL TYPE: OIL ___ GAS ___ LIQUID INJECTION WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 888' WATERSHED Porter Fork
 DISTRICT Duval COUNTY Lincoln
 QUADRANGLE Griffithsville 7.5'
 SURFACE OWNER Jason & Ashley Bender ACREAGE 152.13 Ac.
 OIL & GAS ROYALTY OWNER Susan M. Bryant et al. LEASE ACREAGE 110 Ac. **09/07/2018**
 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 - 2,700'
 WELL OPERATOR HG Energy LLC. DESIGNATED AGENT Diane White
 ADDRESS 5260 DuPont Road Parkersburg, WV 26101 ADDRESS 5260 DuPont Road Parkersburg, WV 26101

SUBJECT WELL
E.P. Bell No.507



Griffithsville 7.5' Quadrangle

SCALE 1"=1000 09/07/2018