

LON: -81°58'16.4"

3705'

LAT: 38°15'00"

LON: 81°57'30"

5000'

LAT: 38°14'10.6"

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 owners and adjacent 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

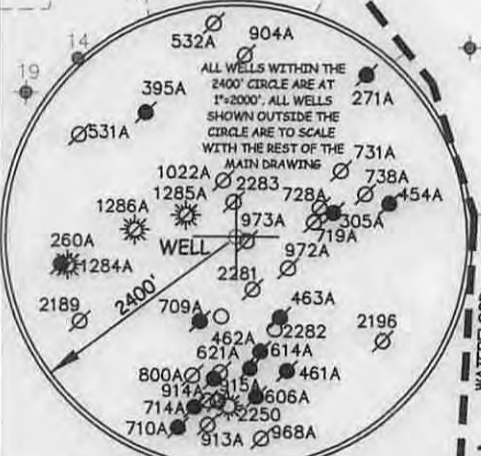
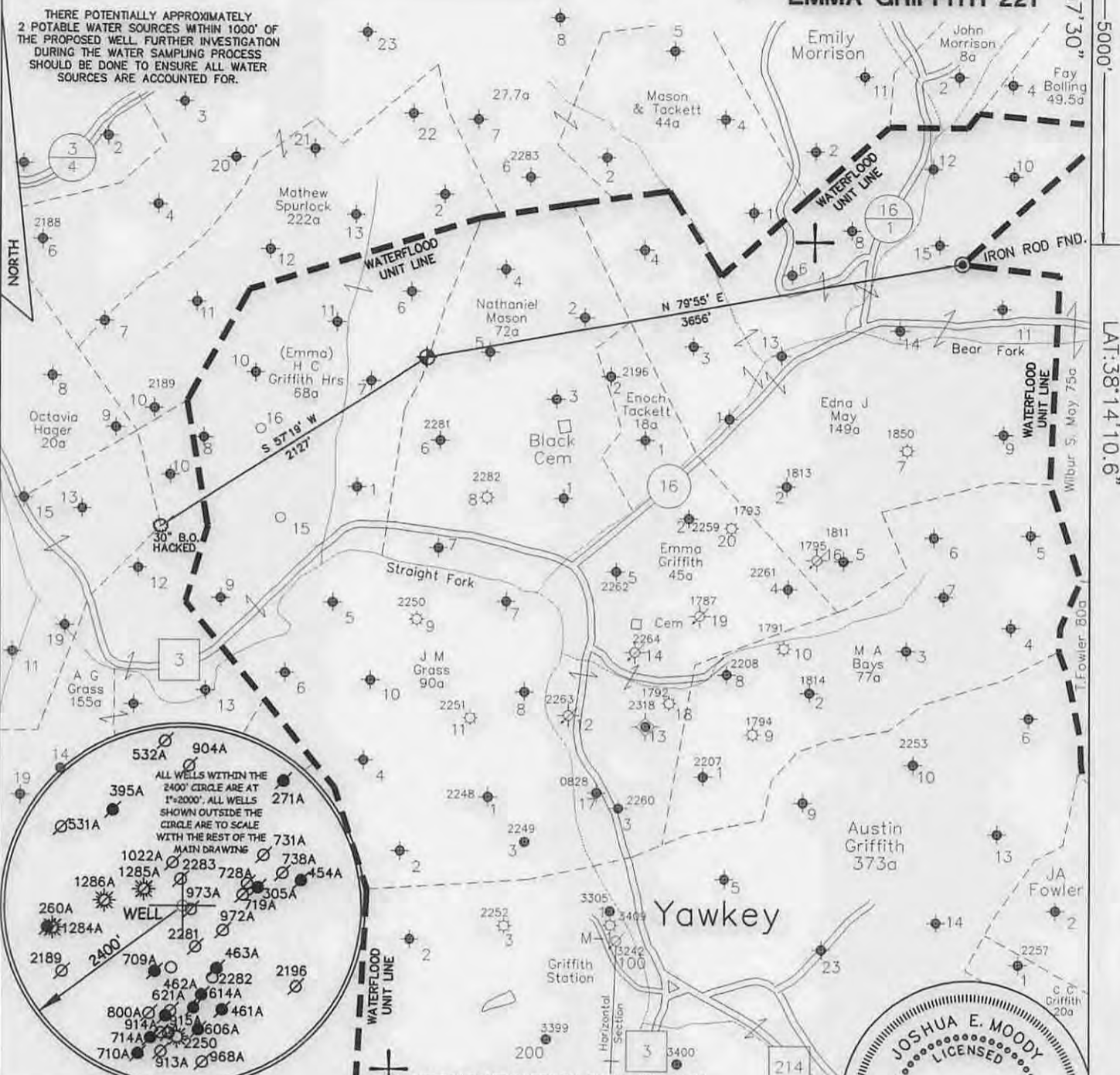
UTM Coordinates  
(Zone 17N-NAD 1983)

Surface N-4,232,486m.  
E-415,015m.

LOCATION REFERENCES

MAGNETIC BEARING  
S 20° W 83.7' 24" W.O.  
N 64° W 113.5' 8" R.O.

**MAP OF  
H.G. ENERGY, LLC  
-WATERFLOOD UNIT-  
EMMA GRIFFITH 221**



JOB # 14-023  
DRAWING # 15HG LC FOLDER  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY 1/200  
PROVEN SOURCE OF ELEV. MAPPING GRADE GPS

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



**WEST VIRGINIA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS**

**MOODY LAND SURVEYING, LLC**  
ST. MARYS, WV 26170



JOSHUA E. MOODY, P.S. 2020  
DATE 3/10/15  
OPERATOR'S WELL  
EMMA GRIFFITH # 221

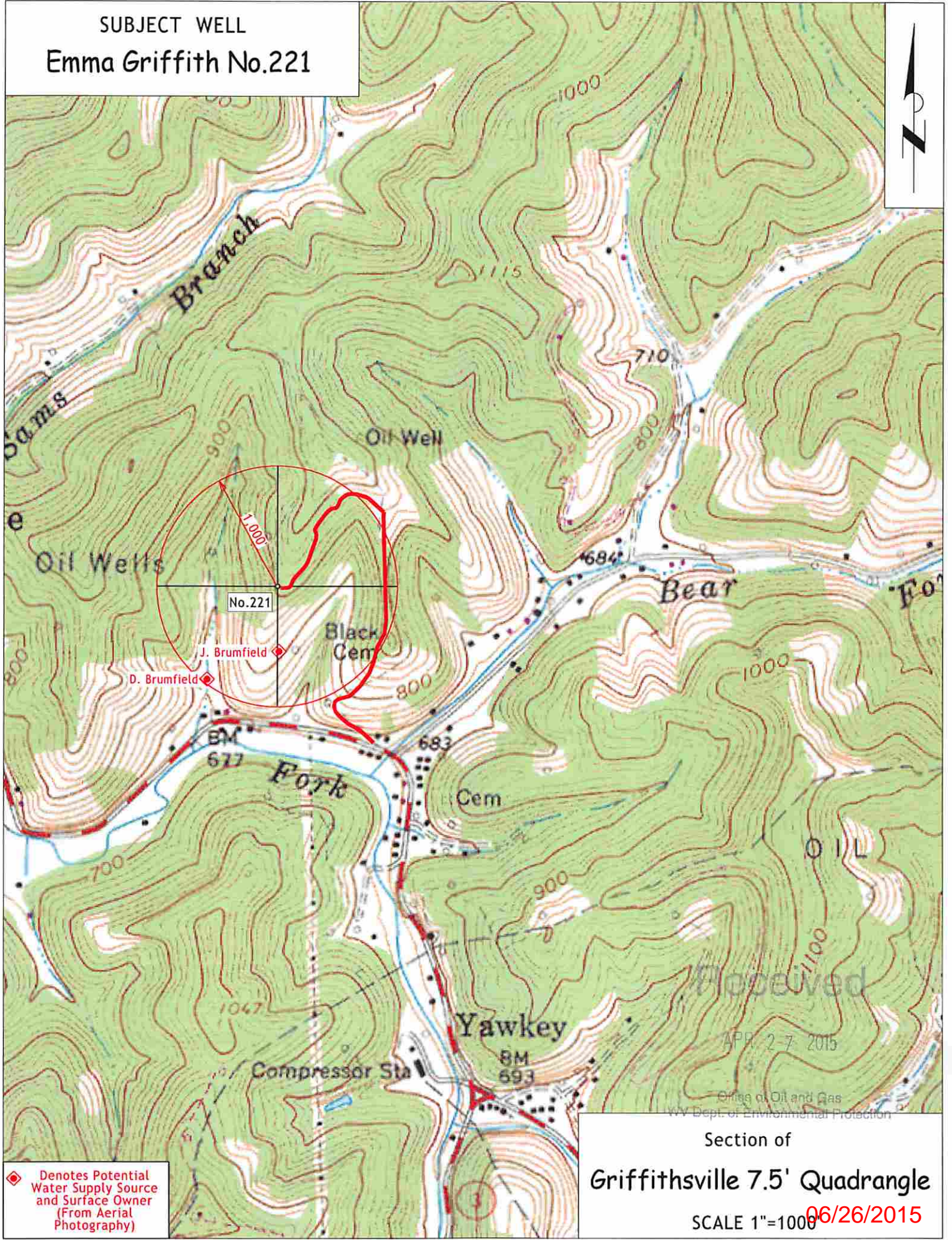
WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  HORIZONTAL   
(IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 910' WATERSHED STRAIGHT FORK API WELL # 47 - 43 - 03476  
DISTRICT DUVAL COUNTY LINCOLN STATE COUNTY PERMIT  
QUADRANGLE GRIFFITHSVILLE 7.5'

SURFACE OWNER LINDA & LIONEL PARKER/JOSHUA BRUMFIELD ACREAGE 47 AC.+/- & 42.72 AC.+/-  
OIL & GAS ROYALTY OWNER HG ENERGY, LLC ET AL LEASE ACREAGE 113 ACRES +/-  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR  
STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION   
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
PLUG & ABANDON  CLEAN OUT & REPLUG   
TARGET FORMATION BEREA ESTIMATED DEPTH TVD=2,575'  
WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT D. WHITE  
ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD  
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

06/26/2015



SUBJECT WELL  
Emma Griffith No.221



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

Section of  
**Griffithsville 7.5' Quadrangle**  
SCALE 1"=1000' **06/26/2015**

Received  
APR 27 2015

Office of Oil and Gas  
WV Dept. of Environmental Protection