

(BOT. HL: LON:-81°58'21.1") LON: -81°58'21.0"

4065'

LAT:38°15'00"

LON:81°57'30"

6690'

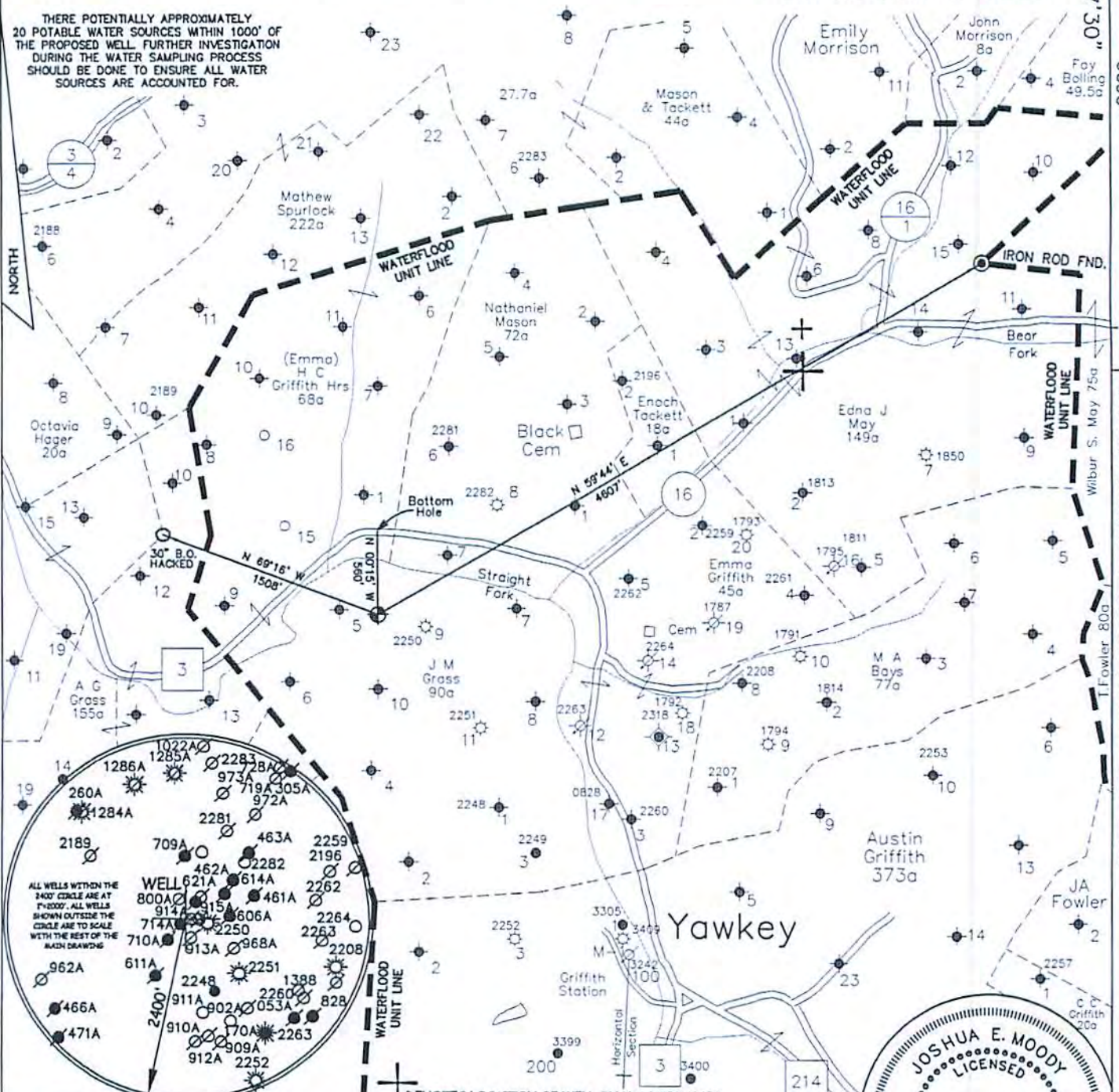
LAT:38°13'53.9" (BOTTOM HOLE: LAT:38°13'59.4")

SURVEY NOTES
 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 1983).
 2 - Surface owners and adjoining 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.

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,231,973m. E-414,899m.
Bottom Hole	N-4,232,144m. E-414,898m.

LOCATION REFERENCES	
MAGNETIC BEARING	
S 37° W 111' 5D	16° POPLAR
N 89° E 120' 5D	12° MAPLE

**MAP OF
 H.G. ENERGY, LLC
 -WATERFLOOD UNIT-
 EMMA GRIFFITH 222**

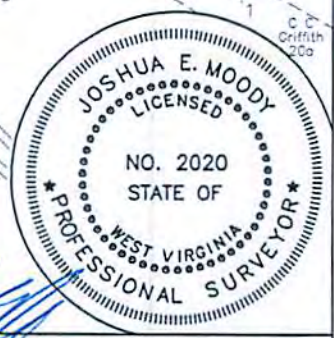


JOB # 14-023
 DRAWING # 15HG LC FOLDER
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEV. MAPPING GRADE GPS

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 3/20/15
 OPERATOR'S WELL
 EMMA GRIFFITH # 222

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 785' WATERSHED STRAIGHT FORK
 DISTRICT DUVAL COUNTY LINCOLN
 QUADRANGLE GRIFFITHSVILLE 7.5' API WELL # 47 - 043 - 03493
 STATE COUNTY PERMIT

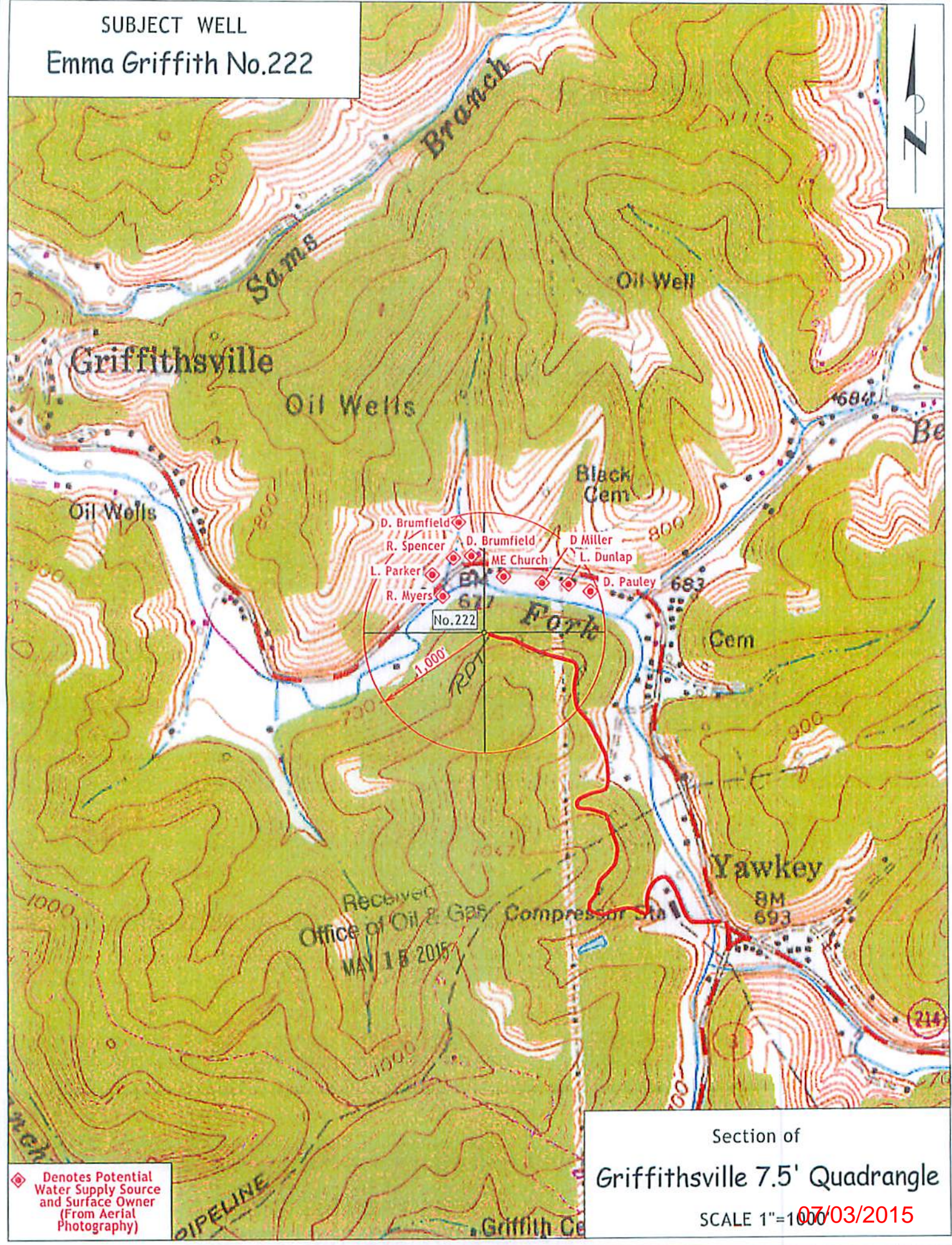
SURFACE OWNER JOSHUA BRUMFIELD ACREAGE 47.9 ACRES +/-
 OIL & GAS ROYALTY OWNER HG ENERGY, LLC ET AL LEASE ACREAGE 113 ACRES +/-
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
 STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) WELL WILL BE DRILLED DIRECTIONALLY (N 00°15' W 560')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION BERA ESTIMATED DEPTH TVD=2,265' MD=2,796'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT D. WHITE
 ADDRESS 5260 DuPONT ROAD PARKERSBURG, WV 26101
 PARKERSBURG, WV 26101

Office of Oil & Gas
 MAY 15 2015
 LEASE # 2734-00

07/03/2015

COUNTY NAME PERMIT

SUBJECT WELL
Emma Griffith No.222



- D. Brumfield
- R. Spencer
- L. Parker
- R. Myers
- D. Brumfield
- ME Church
- D. Miller
- L. Dunlap
- D. Pauley

Received
Office of Oil & Gas
MAY 18 2015
Compressor Sta

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

Section of
Griffithsville 7.5' Quadrangle
SCALE 1"=100'
07/03/2015