

(BOT. HL: LON:-81°58'05.5") LON:-81°58'10.1"

3200'

LAT:38°15'00"

LON:81°57'30"

5820'

LAT:38°14'02.5"

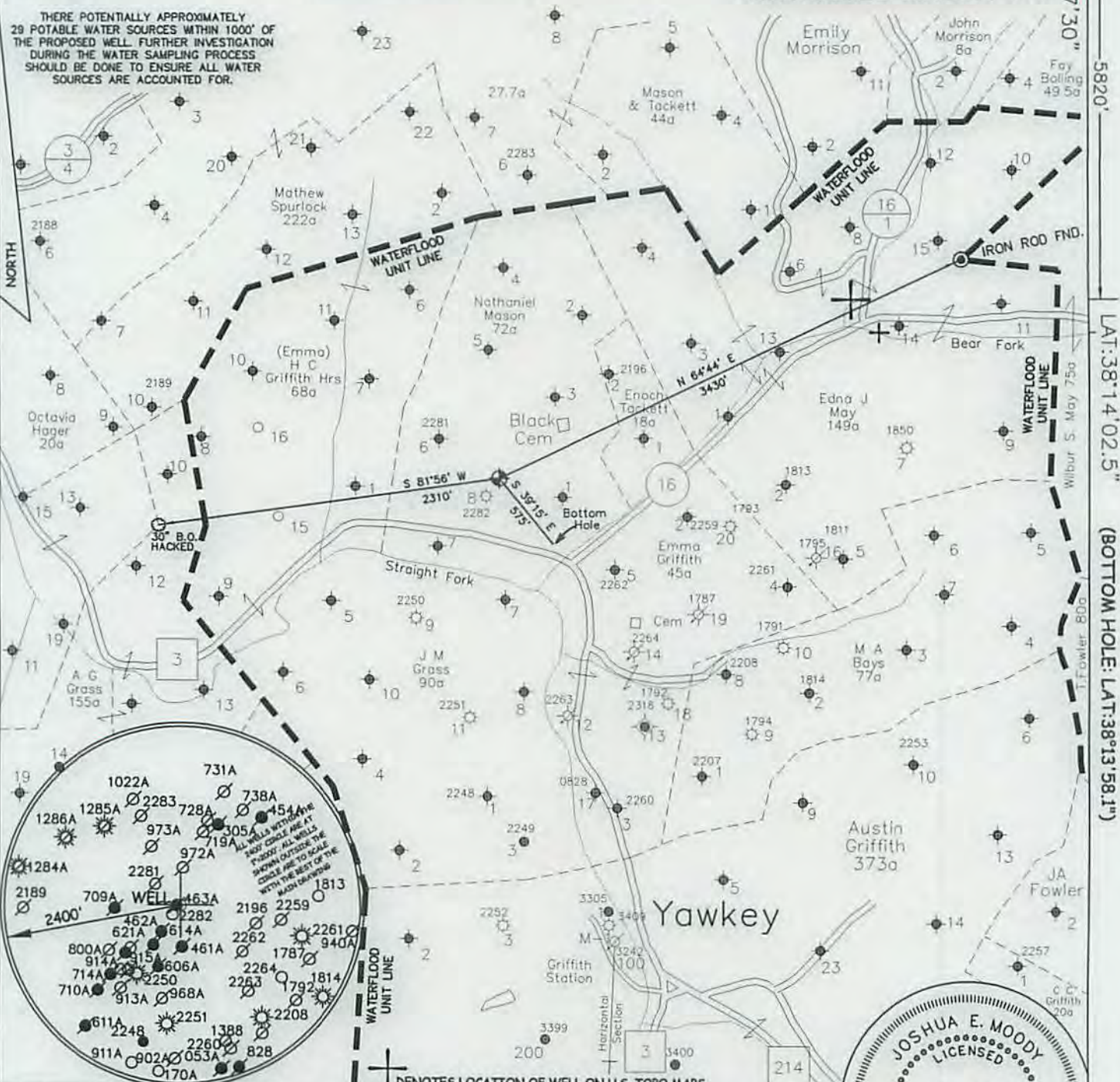
(BOTTOM HOLE: LAT:38°13'58.1")

- 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-4,232,235m. E-415,166m.
Bottom Hole	N-4,232,099m. E-415,277m.

LOCATION REFERENCES	
MAGNETIC BEARING	
N 60° W 96.5' 12" B.O.	
N 32° E 111.7' 8" MAPLE	

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
NATHANIEL MASON 144**



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
NATHANIEL MASON # 144

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 795' WATERSHED STRAIGHT FORK API WELL # 47-043-035038
DISTRICT DUVAL COUNTY LINCOLN STATE WV COUNTY DUVAL PERMIT 035038
QUADRANGLE GRIFFITHSVILLE 7.5'

SURFACE OWNER JOSHUA D. BRUMFIELD ACREAGE 42.72 ACRES +/-
OIL & GAS ROYALTY OWNER HG ENERGY, LLC ET AL LEASE ACREAGE 80 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 (S 39°15' E 575')

PLUG & ABANDON CLEAN OUT & REPLUG

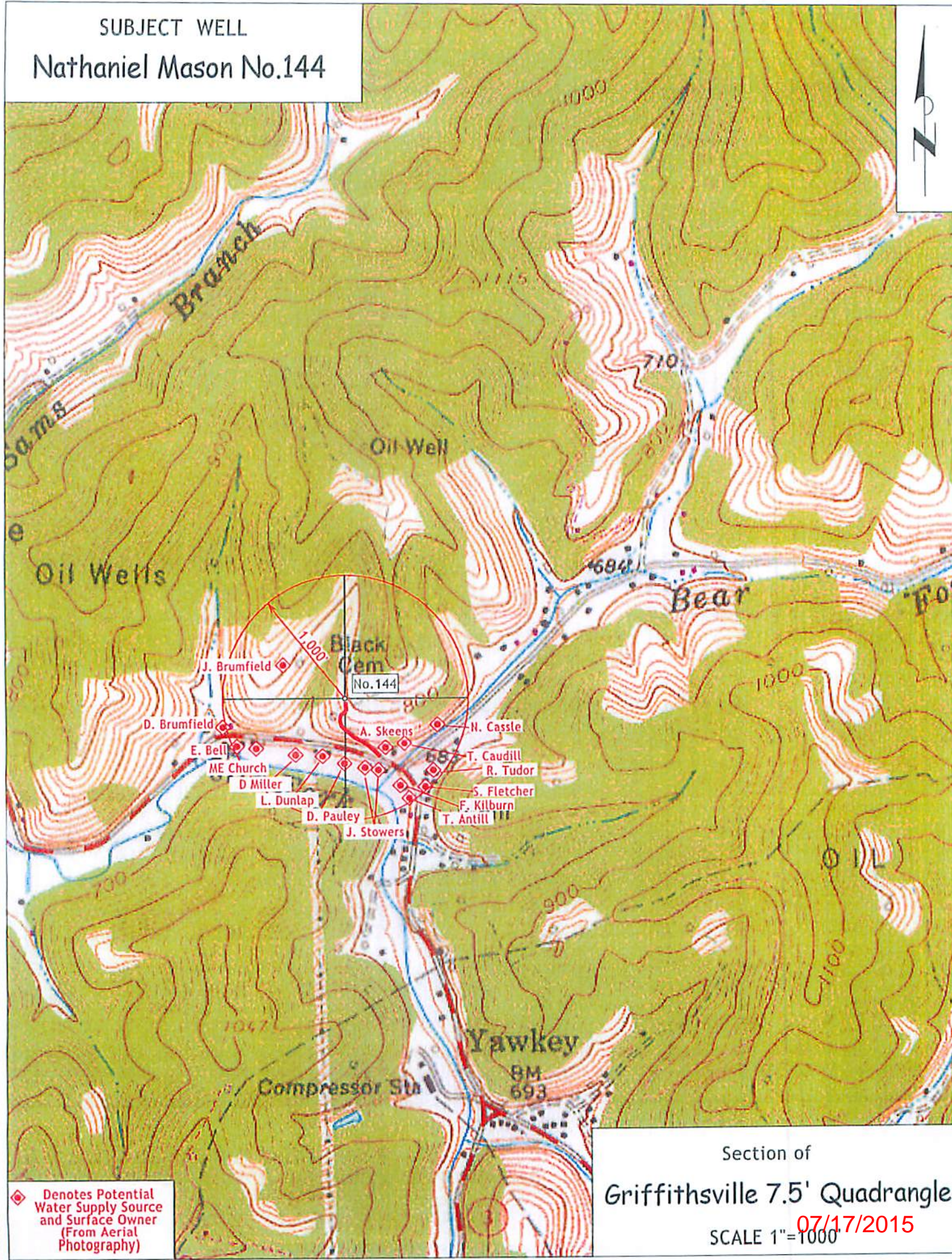
TARGET FORMATION BEREA ESTIMATED DEPTH TVD=2,445' MD=2,979'

WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT D. WHITE
ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

07/17/2015

COUNTY NAME PERMIT

SUBJECT WELL
Nathaniel Mason No.144



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

Section of
Griffithsville 7.5' Quadrangle
SCALE 1"=1000' 07/17/2015