

(BOT. HL: LON:-81°58'02.0") LON: -81°58'05.6"

2840'

LAT:38°15'00"

LON:81°57'30"

4790'

LAT:38°14'12.7"

(BOTTOM HOLE: LAT:38°14'07.2")

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).

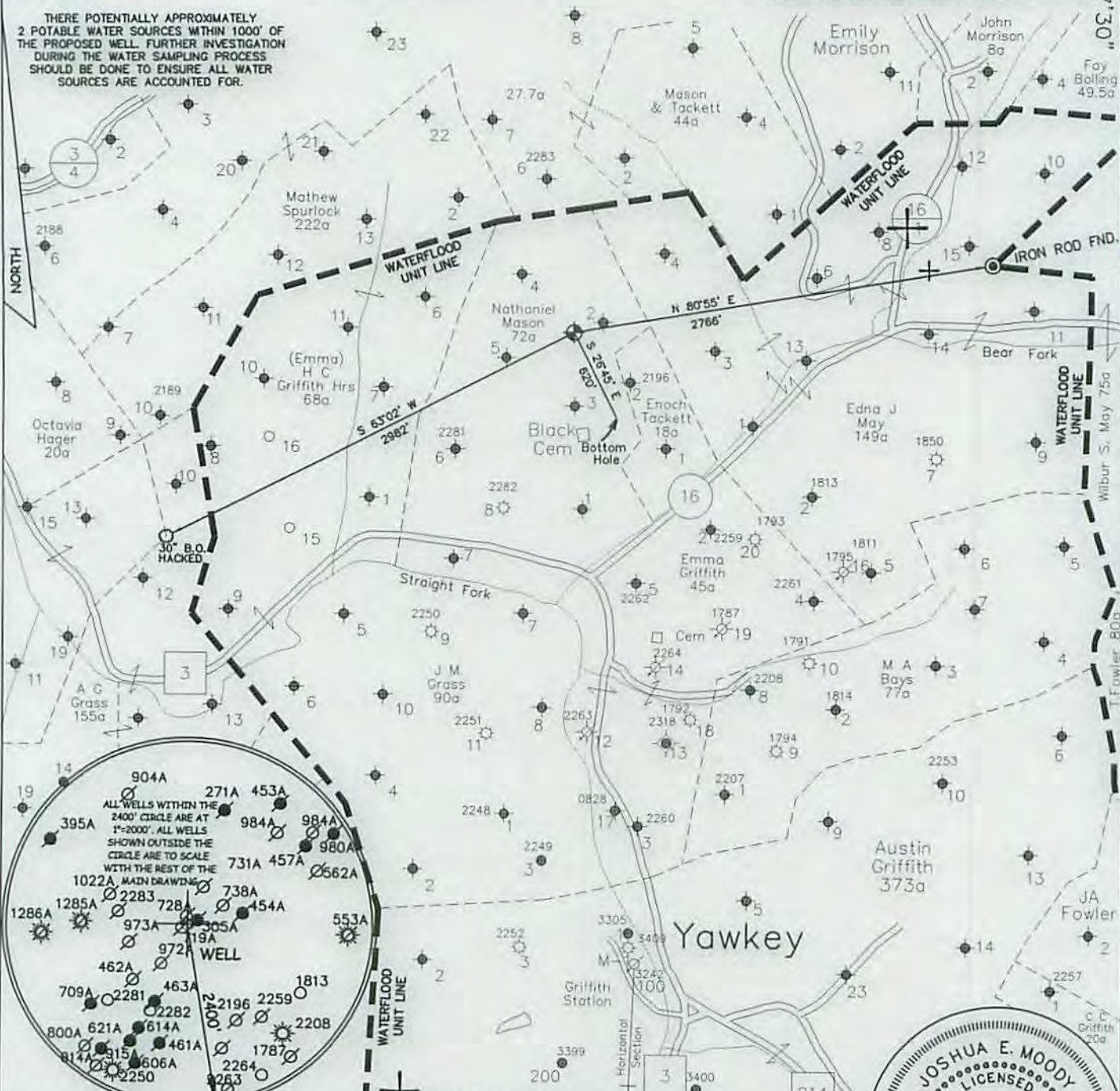
2 - Surface owners and adjacent information obtained from the Lincoln County Assessor's tax records.

3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete Title Opinion.

	UTM Coordinates (Zone 17N-NAD 1983)	LOCATION REFERENCES
Surface	N-4,232,548m. E-415,279m.	MAGNETIC BEARING S 54° W 79.9' 10" R.O. N 33° W 130.3' 6" W.O.
Bottom Hole	N-4,232,379m. E-415,364m.	

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
NATHANIEL MASON 143**

THERE POTENTIALLY APPROXIMATELY 2 POTABLE WATER SOURCES WITHIN 1000' OF THE PROPOSED WELL. FURTHER INVESTIGATION DURING THE WATER SAMPLING PROCESS SHOULD BE DONE TO ENSURE ALL WATER SOURCES ARE ACCOUNTED FOR.



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 # 143

WEST VIRGINIA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

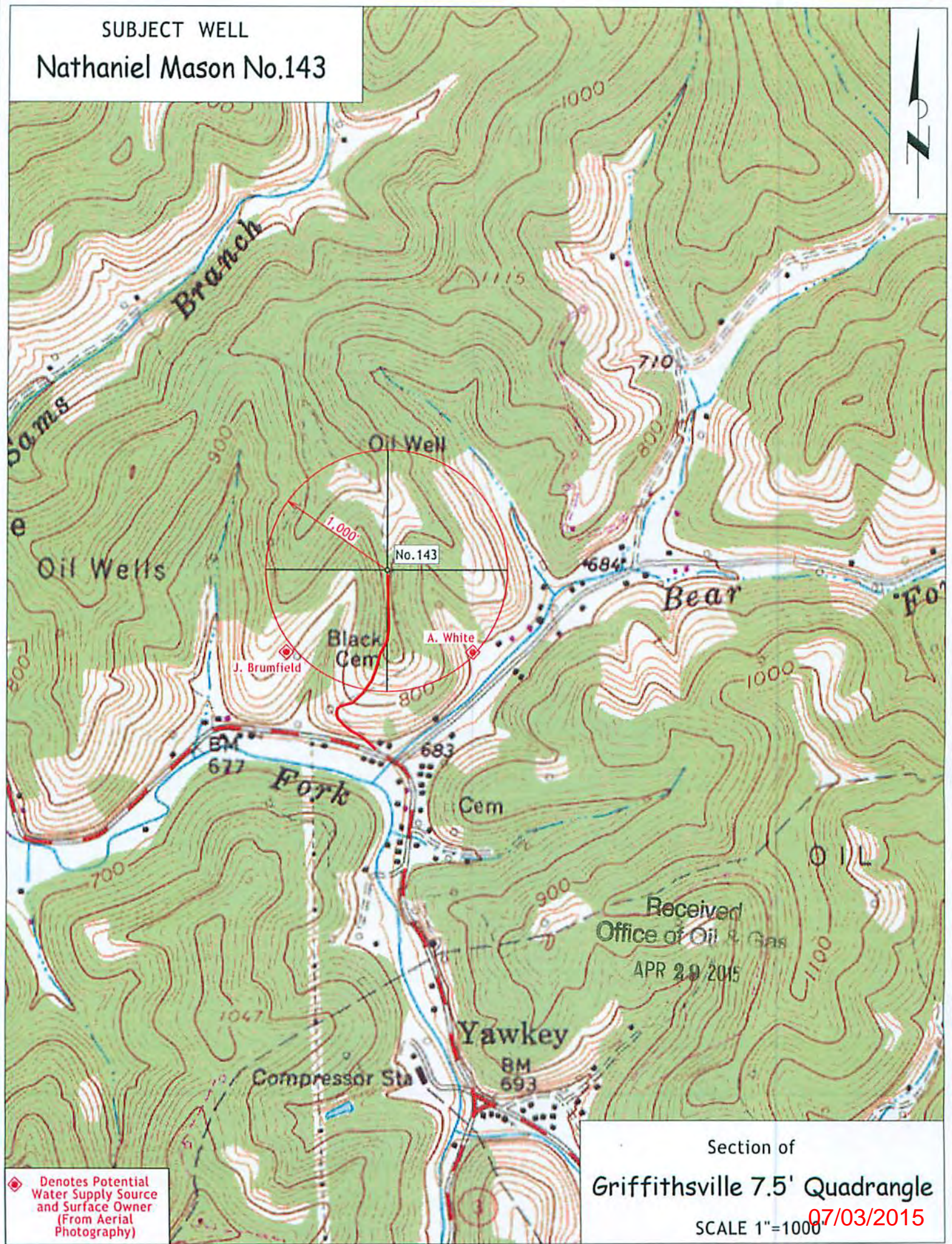
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 910' WATERSHED STRAIGHT & BEAR FORK API WELL #
DISTRICT DUVAL COUNTY LINCOLN 47 - 43 - 03486 S
QUADRANGLE GRIFFITHSVILLE 7.5' STATE COUNTY PERMIT

SURFACE OWNER JOSHUA D. BRUMFIELD & ARTHUR WHITE, ETAL ACREAGE 42.72 AC.+/- & 22.26 AC.+/-
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 26°45' E 620')
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BEREA
WELL OPERATOR H.G. ENERGY, LLC ESTIMATED DEPTH TVD=2,565' MD=3,115'
ADDRESS 5260 DuPONT ROAD DESIGNATED AGENT D. WHITE
PARKERSBURG, WV 26101 ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101

07/03/2015

COUNTY NAME PERMIT

SUBJECT WELL
Nathaniel Mason No.143



Received
Office of Oil & Gas
APR 29 2015

Section of
Griffithsville 7.5' Quadrangle
SCALE 1"=1000
07/03/2015

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