

430 3499

(BOT. HL: LON:-81°58'02.2") LON: -81°58'03.6"

2685'

LAT:38°15'00"

LON:81°57'30"

5885'

LAT:38°14'01.8"

(BOTTOM HOLE: LAT:38°14'03.1")

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.

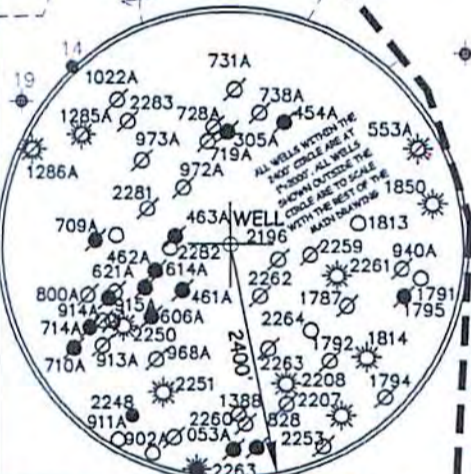
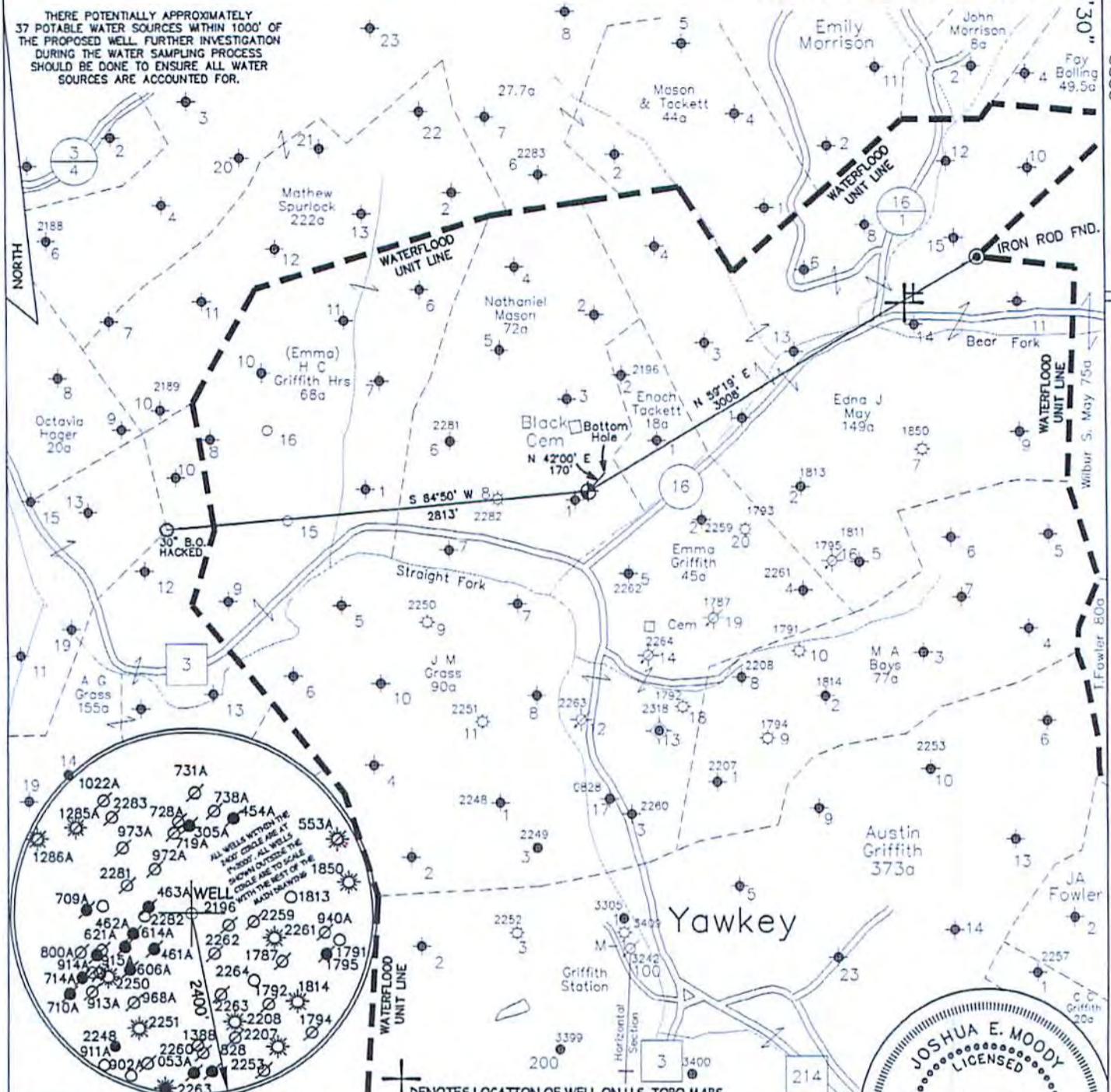
3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete Title Opinion.

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,232,213m. E-415,323m.
Bottom Hole	N-4,232,252m. E-415,358m.

LOCATION REFERENCES	
MAGNETIC BEARING	5 75° E 114.9' 38" W.O. 5 10° W 74.7' 7" R.O.

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
NATHANIEL MASON 225**

THERE POTENTIALLY APPROXIMATELY 37 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.



⊙ DENOTES LOCATION OF WELL ON U.S. TOPO MAPS.

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 # 225

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 800' WATERSHED STRAIGHT & BEAR FORK API WELL # 47 - 043 - 03499
DISTRICT DUVAL COUNTY LINCOLN STATE 47 COUNTY 043 PERMIT 03499
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 (N 42°00' E 170')
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BEREA
WELL OPERATOR H.G. ENERGY, LLC ESTIMATED DEPTH 10,200'
ADDRESS 5260 DuPONT ROAD DESIGNATED AGENT D. R. MOODY
PARKERSBURG, WV 26101 ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV, 26101

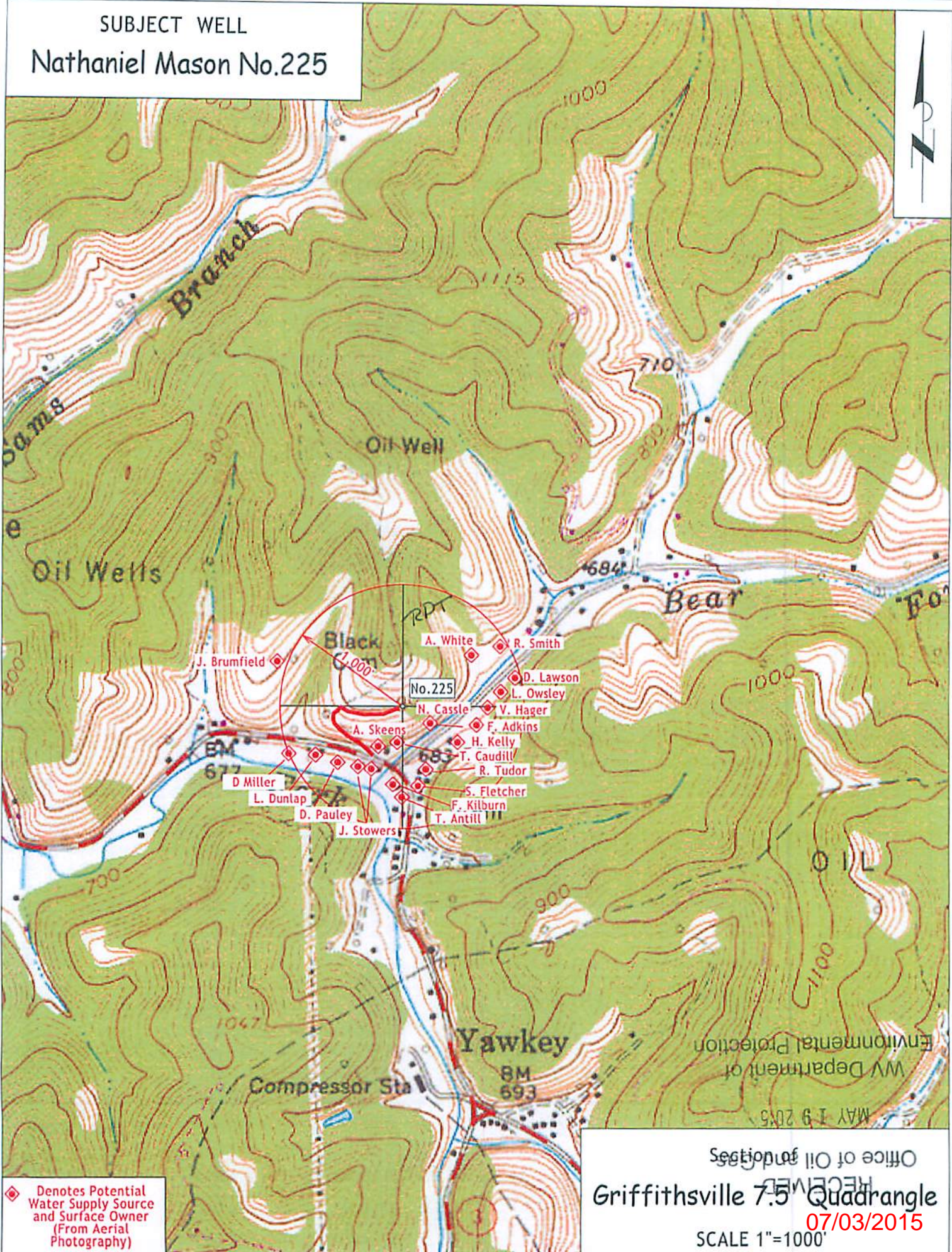
FORM WW-6 LEASE # 71124-50

RECEIVED
Office of Oil and Gas

07/03/2015

COUNTY NAME PERMIT

SUBJECT WELL
Nathaniel Mason No.225



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

Office of Oil and Gas
RECEIVED
Griffithsville 7.5 Quadrangle
07/03/2015
SCALE 1"=1000'

WV Department of Environmental Protection
MAY 19 2015