

(BOT. HL: LON:-81°57'48.7") LON:-81°57'55.5" 2030'

LAT:38°15'00"

LON:81°57'30"

4885'

LAT:38°14'11.7"

(BOTTOM HOLE: LAT:38°14'13.9")

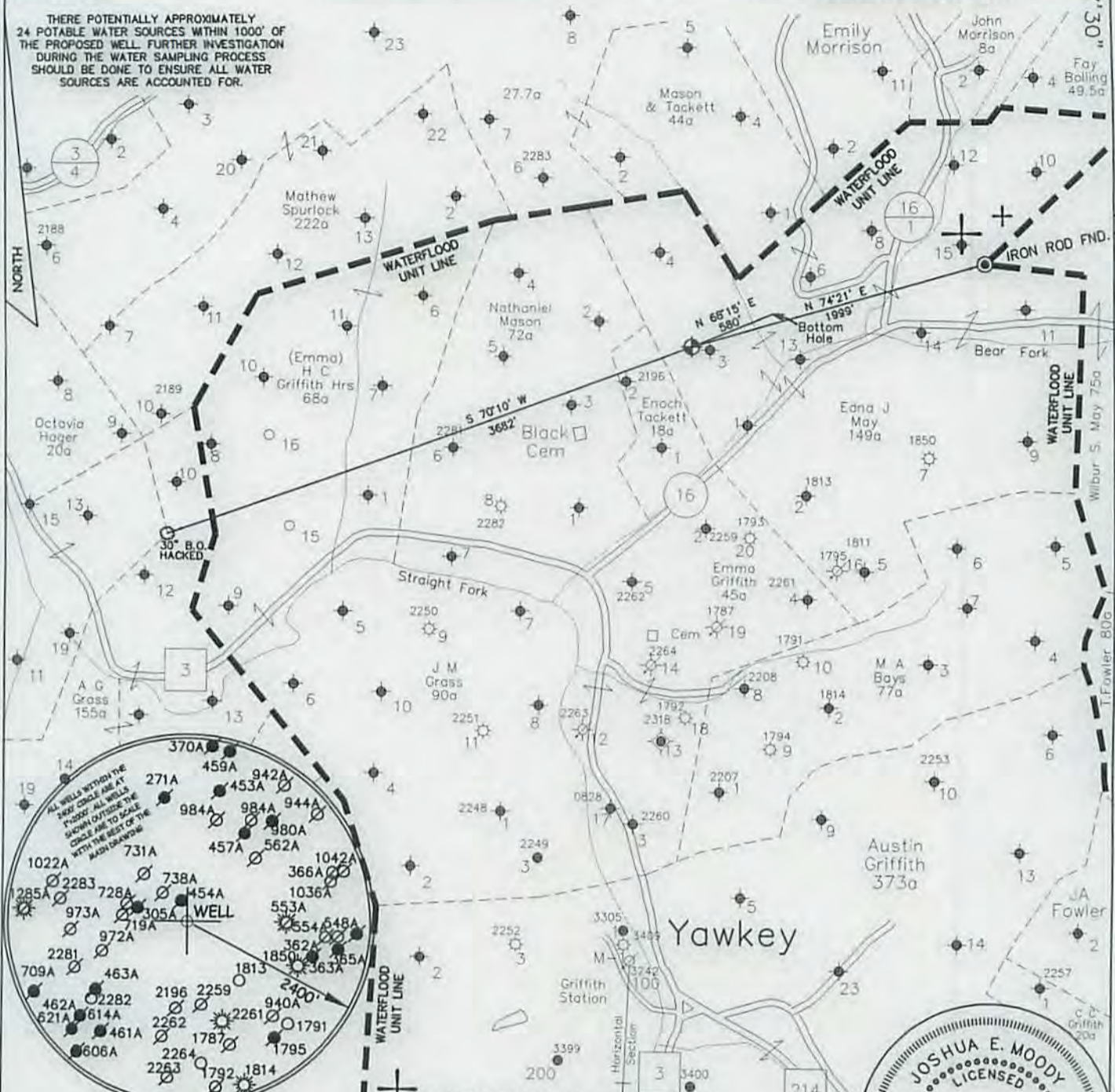
SURVEY NOTES
 1 - Well ties and Latitude and Longitude were measured by DGPS (Sub-meter Mapping Grade). Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1983).
 2 - Surface owners and adjoining information obtained from the Lincoln County Assessor's tax records.
 3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete Title Opinion.

	UTM Coordinates (Zone 17N-NAD 1983)
Surface	N-4,232,517m. E-415,525m.
Bottom Hole	N-4,232,582m. E-415,689m.

LOCATION REFERENCES	
MAGNETIC BEARING	
S 78° E 90.7'	12° VIRGINIA PINE
N 05° E 90.7'	12° VIRGINIA PINE

**MAP OF
 H.G. ENERGY, LLC
 -WATERFLOOD UNIT-
 EDNA MAY 147**

THERE POTENTIALLY APPROXIMATELY 24 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



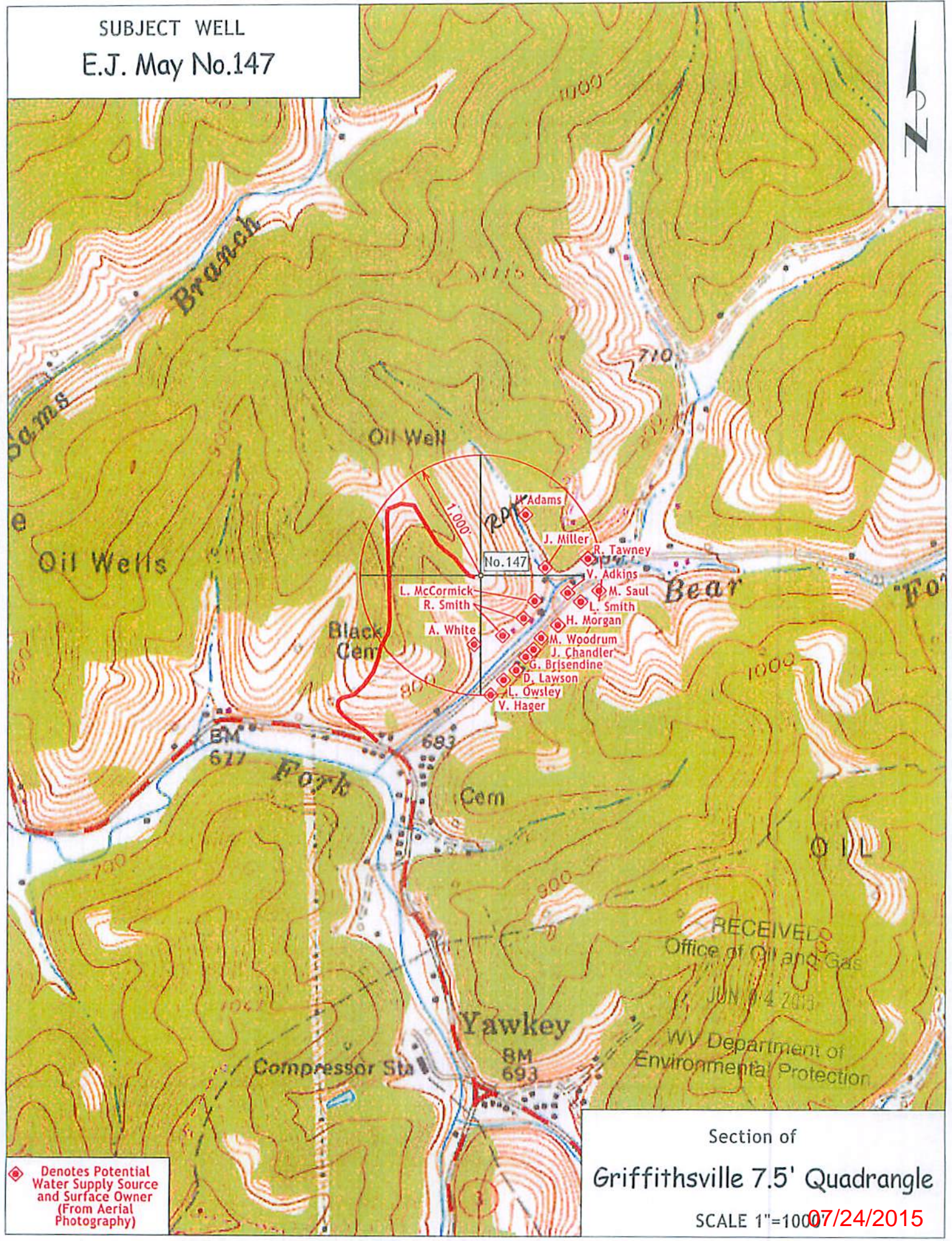
JOSHUA E. MOODY, P.S. 2020
 DATE 3/10/15
 OPERATOR'S WELL
 EDNA MAY # 147

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 840' WATERSHED BEAR FORK API WELL #
 DISTRICT DUVAL COUNTY LINCOLN 47 - 043 - 035095
 QUADRANGLE GRIFFITHSVILLE 7.5' STATE COUNTY PERMIT
 SURFACE OWNER DOYLE & JUDY SMITH ACREAGE 21.88 ACRES +/-
 OIL & GAS ROYALTY OWNER HG ENERGY, LLC ET AL LEASE ACREAGE 149 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 68°15' E 580')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION BEREA ESTIMATED DEPTH TVD=2,495' MD=3,031'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT D. WHITE
 ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
 PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

07/24/2015

SUBJECT WELL
E.J. May No.147



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

RECEIVED
Office of Oil and Gas
JUN 14 2013
WV Department of Environmental Protection

Section of
Griffithsville 7.5' Quadrangle
SCALE 1"=1000' 07/24/2015