

LON: -81°58'21.2"

4080'

LAT:38°15'00"

LON:81°57'30"

6685'

LAT:38°13'53.9"

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 1927).

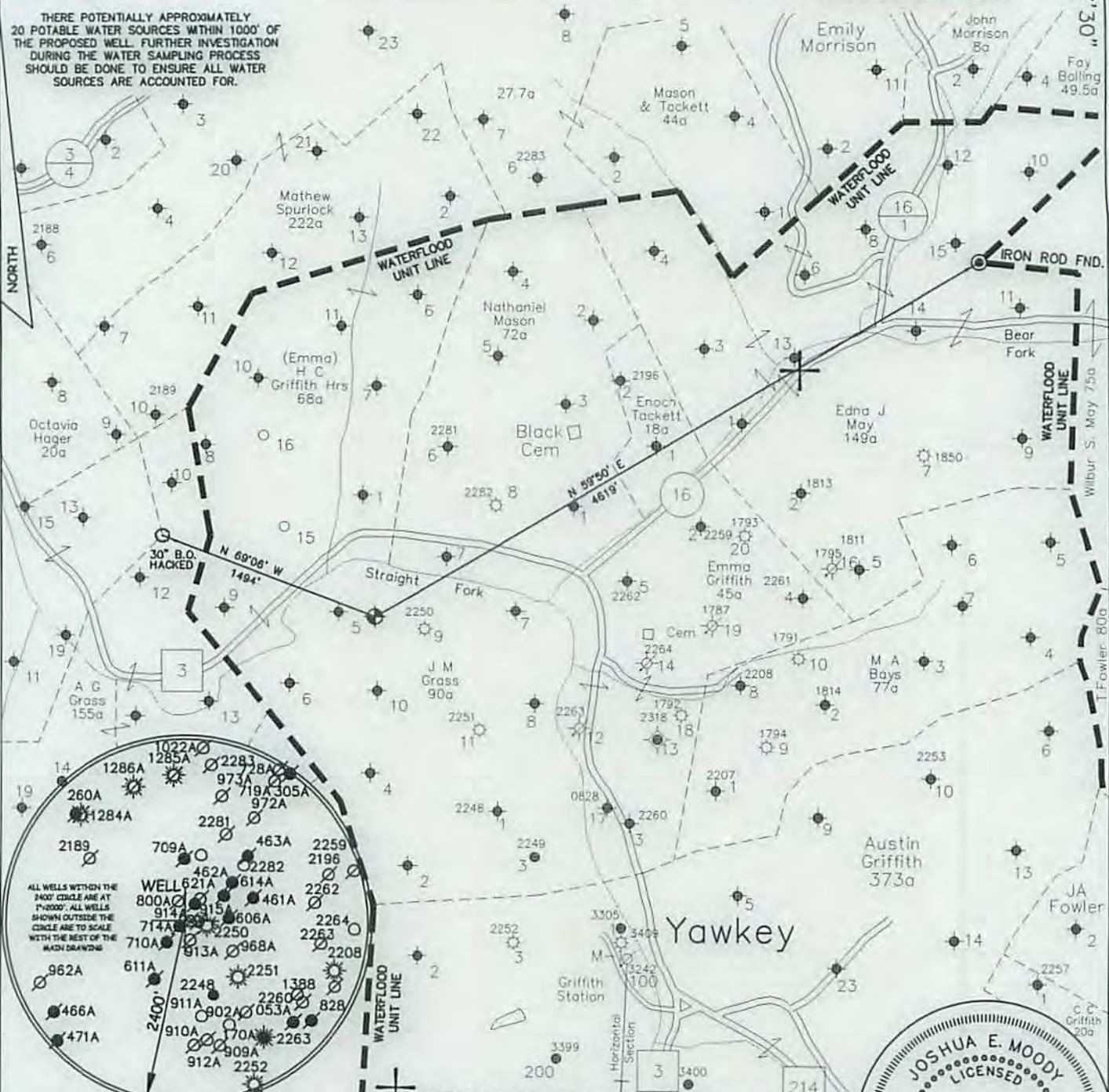
2 - Surface owners and adjacent information obtained from the Lincoln County Assessor's tax records.

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)	
Surface	N-4,231,974m. E-414,894m.

LOCATION REFERENCES	
MAGNETIC BEARING	
S 31° W 111' SD	16° POPLAR
N 89° E 135' SD	12° MAPLE

**MAP OF
H.G. ENERGY, LLC
-WATERFLOOD UNIT-
JM GRASS 139**



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
JM GRASS # 139

WEST VIRGINIA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

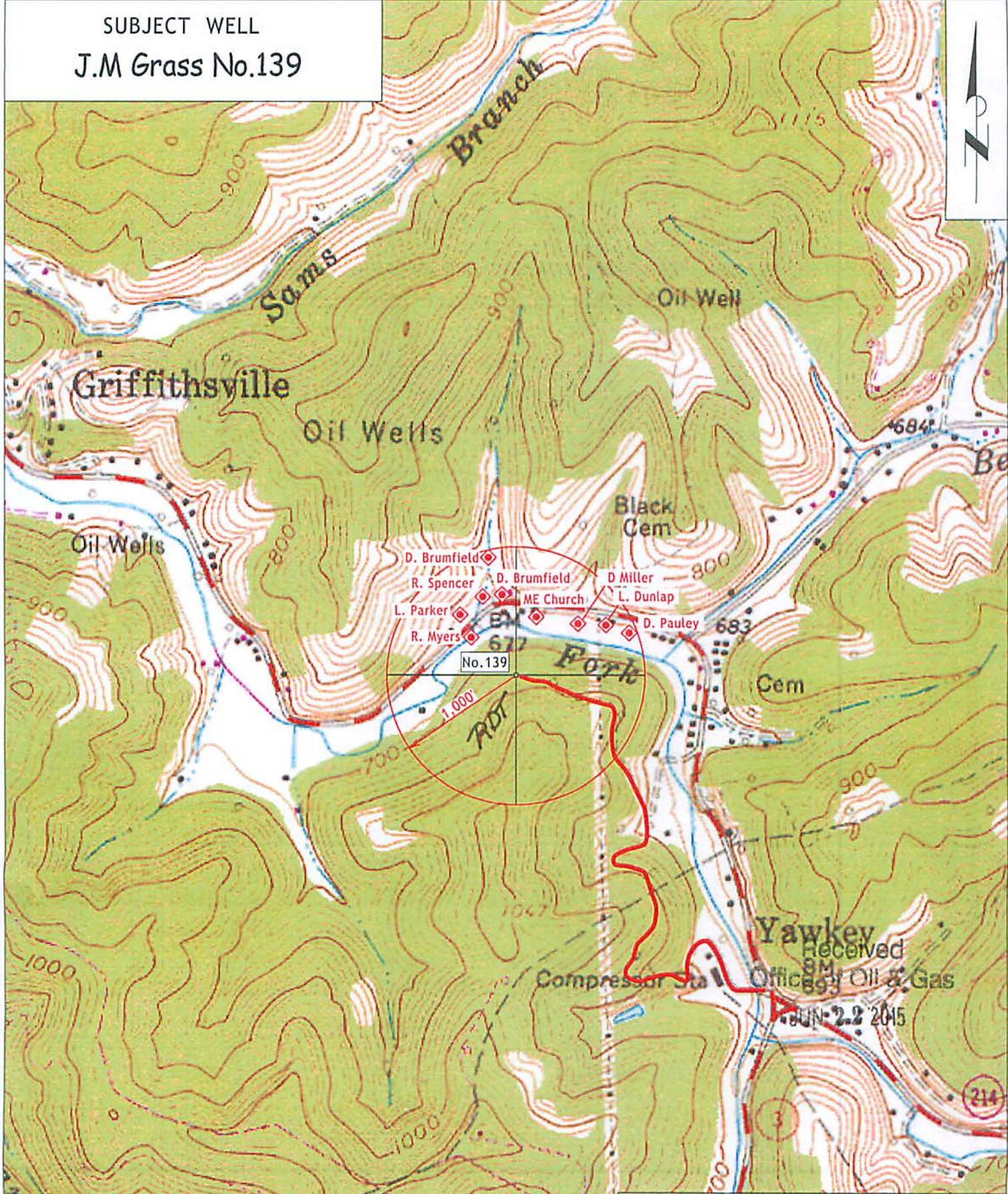
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 785' WATERSHED STRAIGHT FORK API WELL # 47-043-035165
DISTRICT DUVAL COUNTY LINCOLN STATE 47 COUNTY 043 PERMIT 035165
QUADRANGLE GRIFFITHSVILLE 7.5'

SURFACE OWNER JOSHUA BRUMFIELD ACREAGE 47.9 ACRES +/-
OIL & GAS ROYALTY OWNER HG ENERGY, LLC ET AL LEASE ACREAGE 100 ACRES +/-
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR
STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BEREA
WELL OPERATOR H.G. ENERGY, LLC ESTIMATED DEPTH TVD=2,430'
ADDRESS 5260 DuPONT ROAD DESIGNATED AGENT D. WHITE
PARKERSBURG, WV 26101 ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101

07/24/2015

COUNTY NAME PERMIT

SUBJECT WELL
J.M Grass No.139



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

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