

(BOT. HL: LON:-81°57'26.5") LON: -81°57'29.7"

11,945'

LAT:38°15'00"

LON:81°55'00"

LAT:38°14'04.8" (BOTTOM HOLE: LAT:38°14'11.2")

- 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.

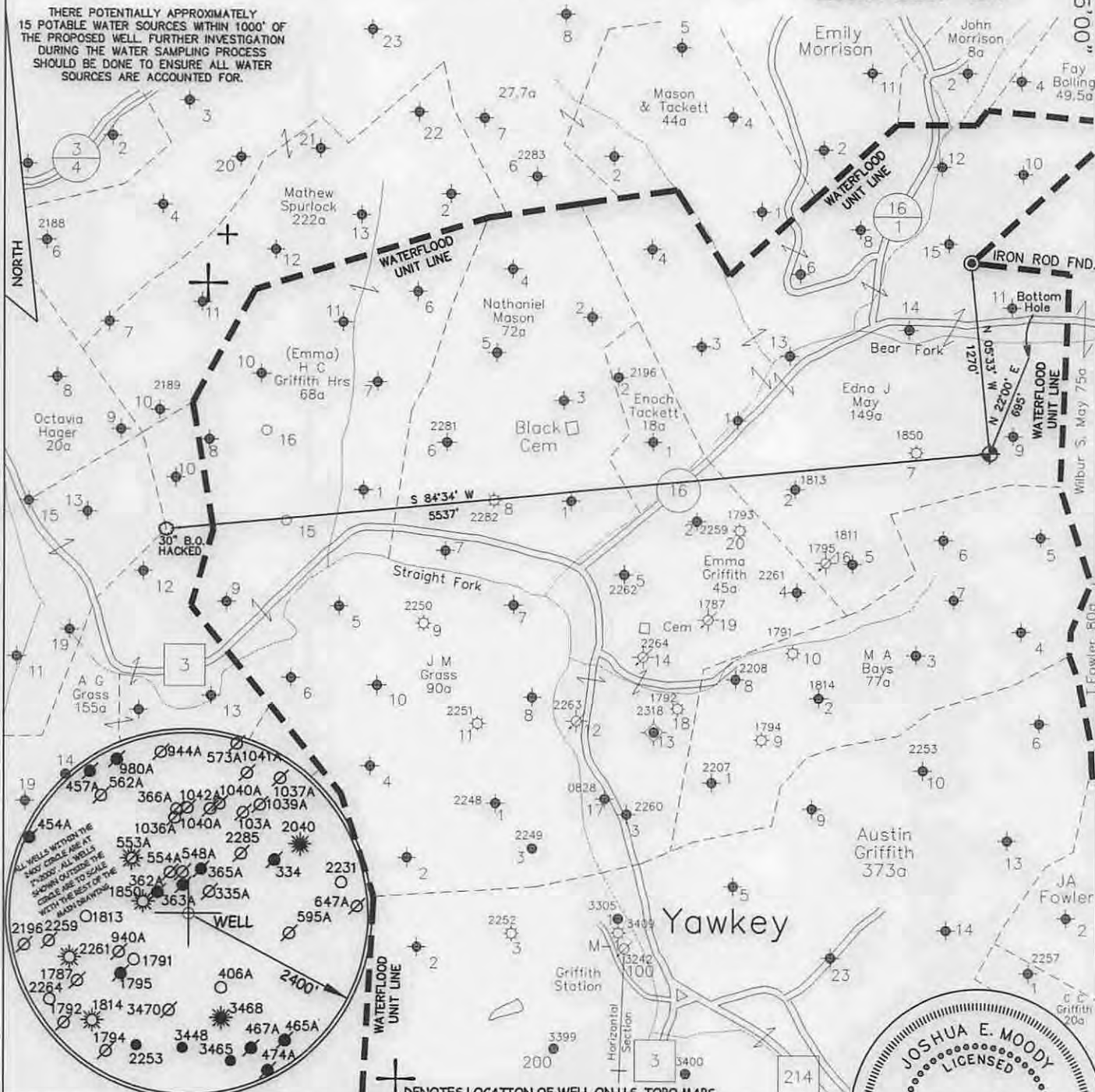
SURVEY NOTES

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,232,296m. E-416,149m.
Bottom Hole	N-4,232,492m. E-416,229m.

LOCATION REFERENCES	
MAGNETIC BEARING	
N 47° W 112.0'	10° DOUBLE C.O.
N 22° E 110.2'	10° MAPLE

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- EDNA MAY 154

THERE POTENTIALLY APPROXIMATELY 15 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 # 154

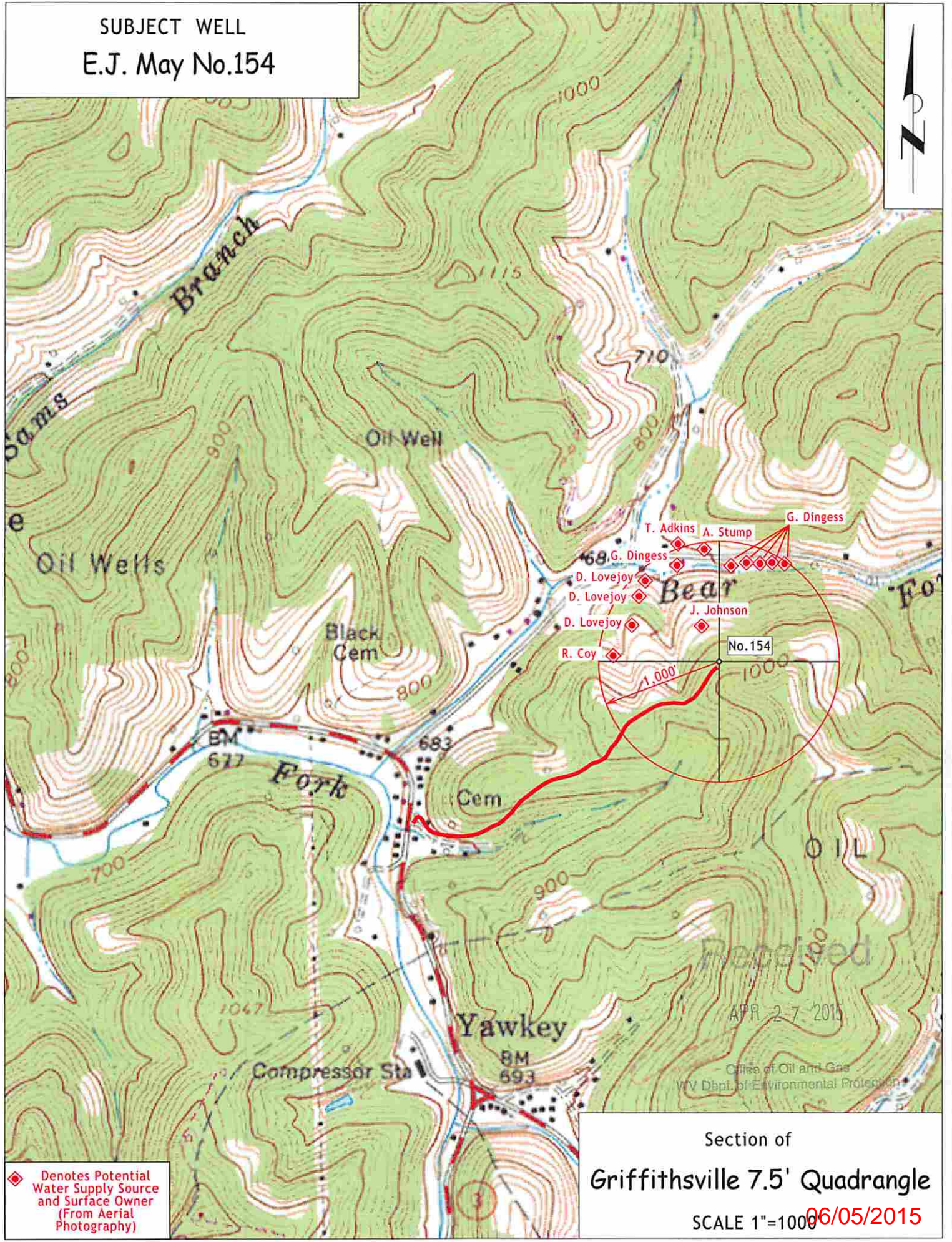
WEST VIRGINIA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 970' WATERSHED BEAR FORK API WELL # 47-043-034825
DISTRICT DUVAL COUNTY LINCOLN STATE WV COUNTY PERMIT
QUADRANGLE GRIFFITHSVILLE 7.5'

SURFACE OWNER J. JOHNSON (ASSESSOR), LOVEJOY (CLAIM) ACREAGE 20 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 22°00' E 695')
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BEREA
WELL OPERATOR H.G. ENERGY, LLC ESTIMATED DEPTH TVD=2,620' MD=3,200'
ADDRESS 5260 DuPONT ROAD DESIGNATED AGENT D. WHITE
PARKERSBURG, WV 26101 ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101

06/05/2015

SUBJECT WELL
E.J. May No.154



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

Section of
Griffithsville 7.5' Quadrangle

SCALE 1"=1000 **06/05/2015**