

(BOT. HL: LON:-81°57'37.1") LON: -81°57'32.4"

195'

LAT:38°15'00"

LON:81°57'30"

4300'

LAT:38°14'17.5"

(BOTTOM HOLE: LAT:38°14'21.1")

- 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 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-4,232,689m. E-416,087m.
Bottom Hole	N-4,232,802m. E-415,974m.

LOCATION REFERENCES	
MAGNETIC BEARING	
N 66° E 142' 50"	DROP POLE
N 39° E 139' 50"	POWER POLE

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- EDNA MAY 149



THERE POTENTIALLY APPROXIMATELY 40 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.



CESO, INC
211 WASHINGTON STREET
ST. MARYS, WV 26170



JOSHUA E. MOODY, P.S. 2020
DATE 6/11/15
OPERATOR'S WELL
EDNA MAY # 149

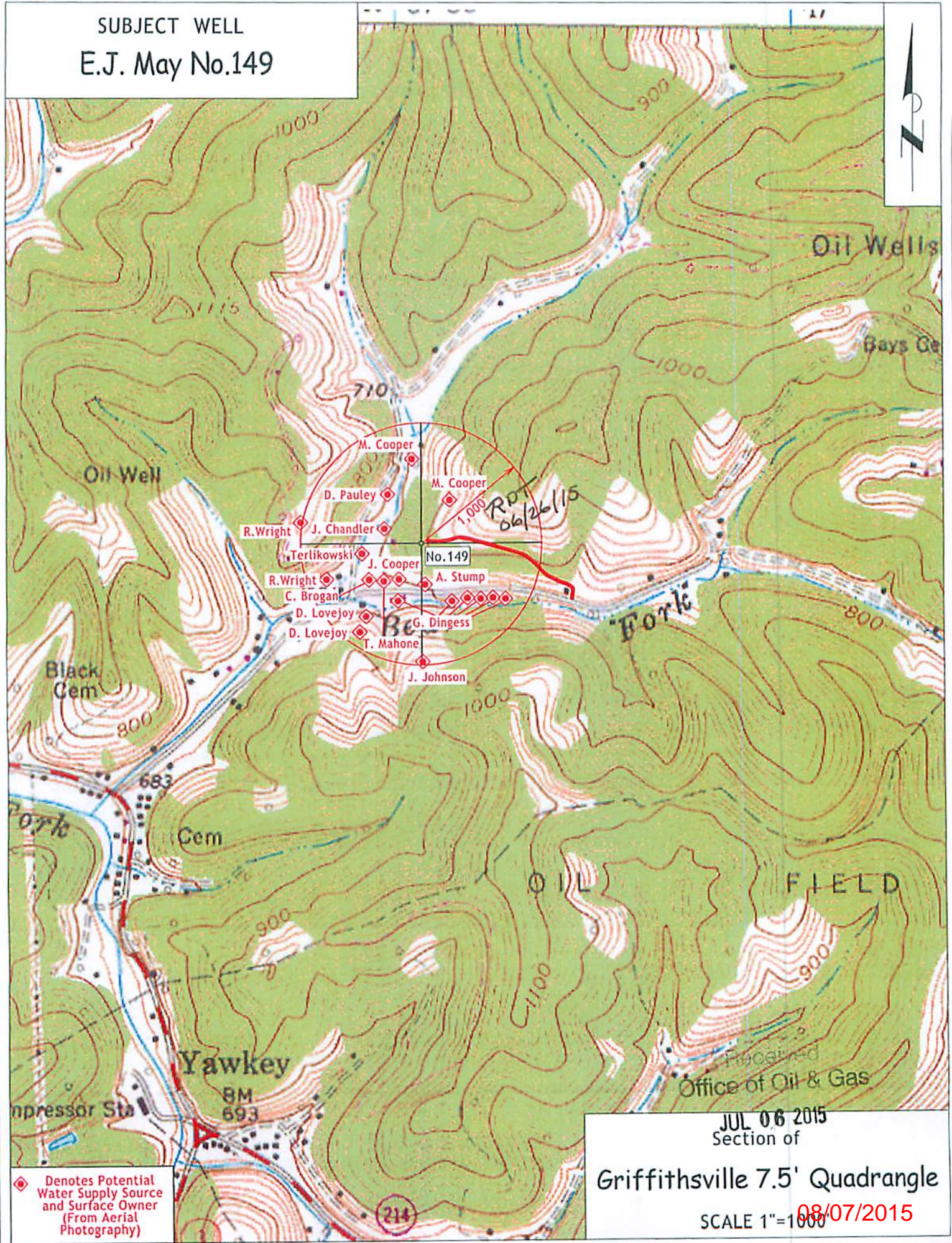
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 804' WATERSHED BEAR FORK API WELL # 47 - 043 - 03519 S
 DISTRICT DUVAL COUNTY LINCOLN STATE COUNTY PERMIT
 QUADRANGLE GRIFFITHSVILLE 7.5'
 SURFACE OWNER JOHNNY COOPER ETAL ACREAGE 6 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 44°45' W 525')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION BERA ESTIMATED DEPTH TVD=2,445' MD=2,969'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT D. WHITE
 ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
 PARKERSBURG, WV 26101 PARKERSBURG, WV 26101
 LEASE # 80221-50

08/07/2015

COUNTY PERMIT

SUBJECT WELL
E.J. May No.149



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

JUL 06 2015
Section of
Griffithsville 7.5' Quadrangle
SCALE 1"=1000
08/07/2015