

(BOTTOM HOLE: -80°42'45.9")

LON: -80°41'23.7"

6560'

LAT: 39°30'00"

LON: 80°40'00"

1975'

LAT: 39°29'40.5" (BOTTOM HOLE: 39°30'09.9")

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 adjoining information obtained from the Wetzel County Assessor's Office. Lease names, Acreages, and line mapping provided by HGE GIS system. Ends of unit lines mapped by MLS LLC & HGE.

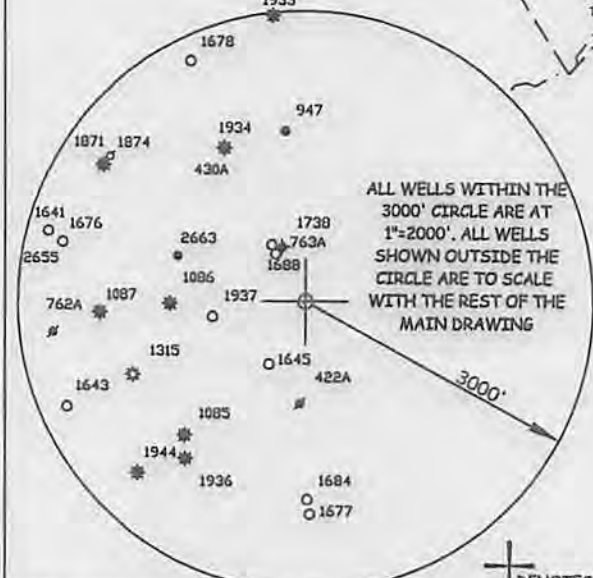
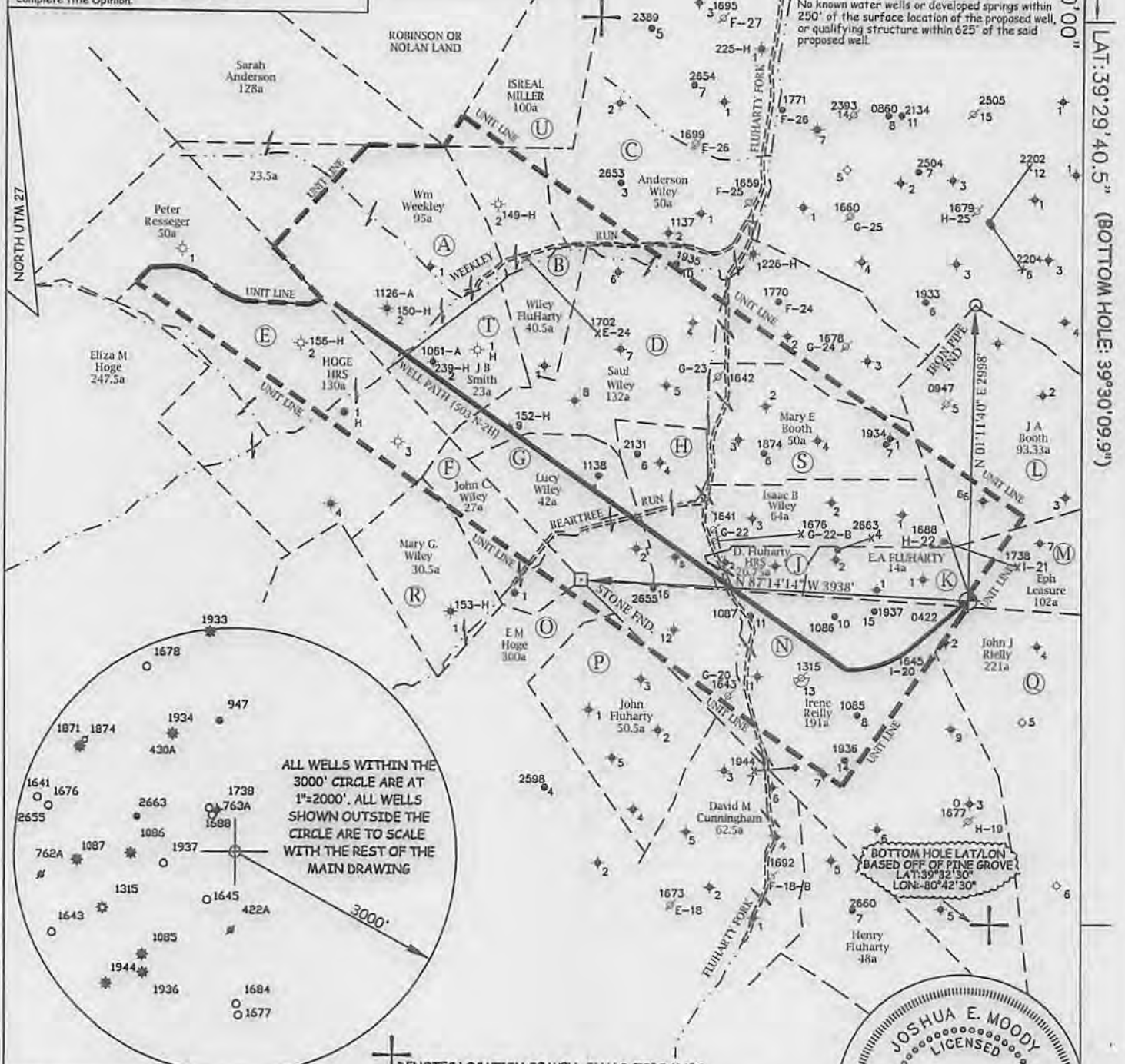
3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete title Opinion.

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,371,718m. E-526,679m.
Bottom Hole	N-4,372,618m. E-524,711m.

LOCATION REFERENCES	
UTM 27	
S 13°29' E 341' SPIKE	
N 22°51' E 315' SPIKE	

**MAP OF
H.G. ENERGY, LLC
-503 UNIT-**

No known water wells or developed springs within 250' of the surface location of the proposed well, or qualifying structure within 625' of the said proposed well.



ALL WELLS WITHIN THE 3000' CIRCLE ARE AT 1"=2000'. ALL WELLS SHOWN OUTSIDE THE CIRCLE ARE TO SCALE WITH THE REST OF THE MAIN DRAWING

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

JOB # 13-027
 DWG # C/CP/13/HG/WP/503NTH/N-2HW
 SCALE 1" = 1500'
 MINIMUM DEGREE OF ACCURACY SUB-METER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 04/07/2014
 OPERATOR'S WELL # 503 N-2H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1474' WATERSHED FLUHARTY FORK, PINEY FORK API WELL #
 DISTRICT GREEN COUNTY WETZEL STATE COUNTY PERMIT
 QUADRANGLE CENTER POINT 7.5'

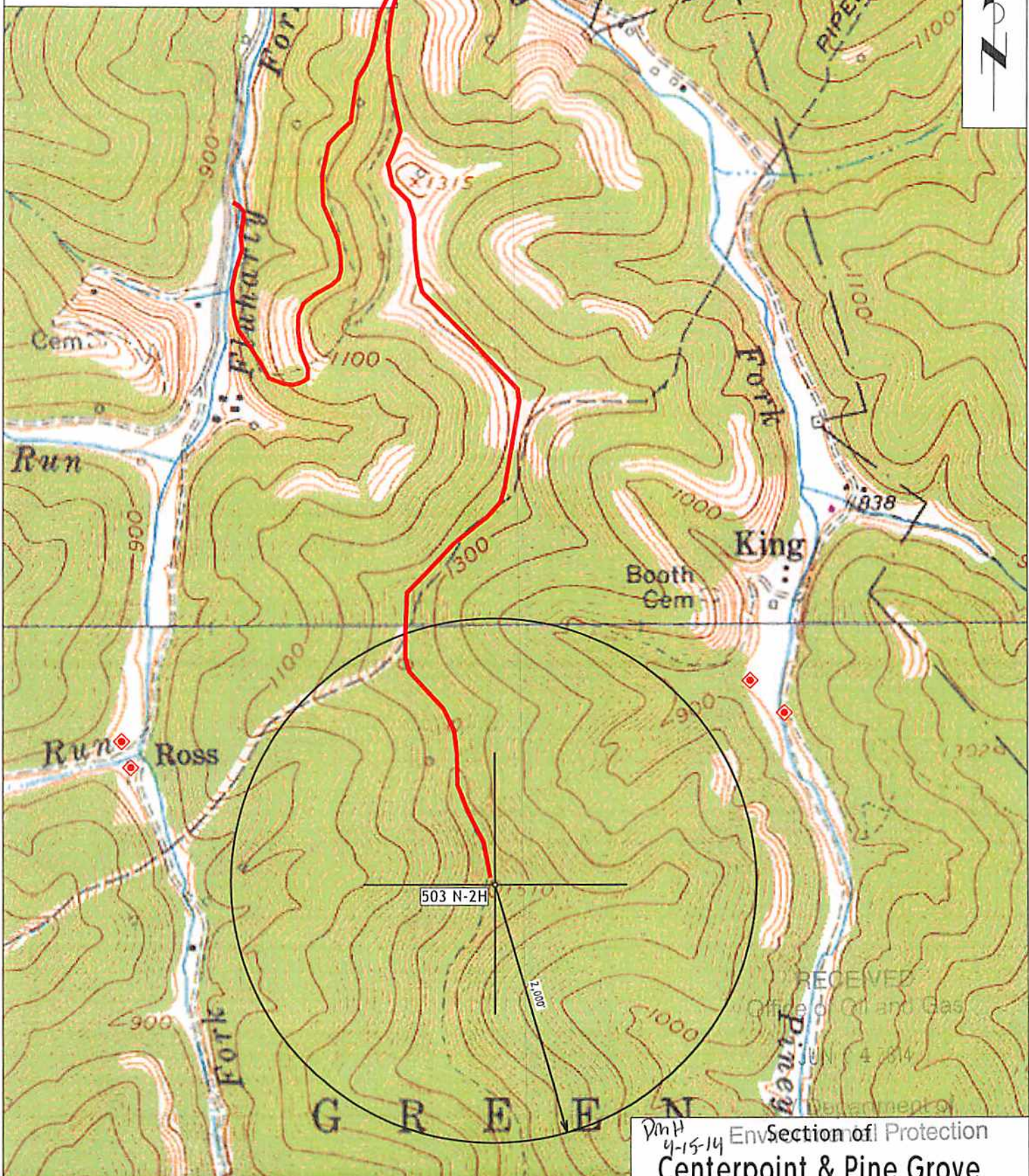
SURFACE OWNER DALLISON LMB ETAL. ACREAGE 20.8 ACRES +/- SURFACE OWNER STATE OF WV DNR ACREAGE 190.35 ACRES +/-
 SURFACE OWNER JS BOOTH EST ETAL. ACREAGE 21 ACRES +/- SURFACE OWNER STATE OF WV DNR ACREAGE 220 ACRES +/-

OIL&GAS ROYALTY OWNER Dale & Shirlene Fluharty ETAL. LEASE AC. 14 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 MARCELLUS ESTIMATED DEPTH TVD= 7,438' MD= 14,412'
 WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT MIKE KIRSCH
 ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
 PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

09/12/2014

SUBJECT WELL
Stringtown Unit 503 N-2H



◆ Denotes Potential Water Supply Source
(From Aerial Photography)

DMH
4-15-14
EnvSection of Protection
Centerpoint & Pine Grove
7.5' Quadrangles
SCALE 1"=1000'