

(BOTTOM HOLE: -80°42'30.4")

LON: -80°41'23.6"

6550

LAT: 39°30'00"

LON: 80°40'00"

LAT: 39°29'40.9" (BOTTOM HOLE: 39°30'25.4")

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 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.

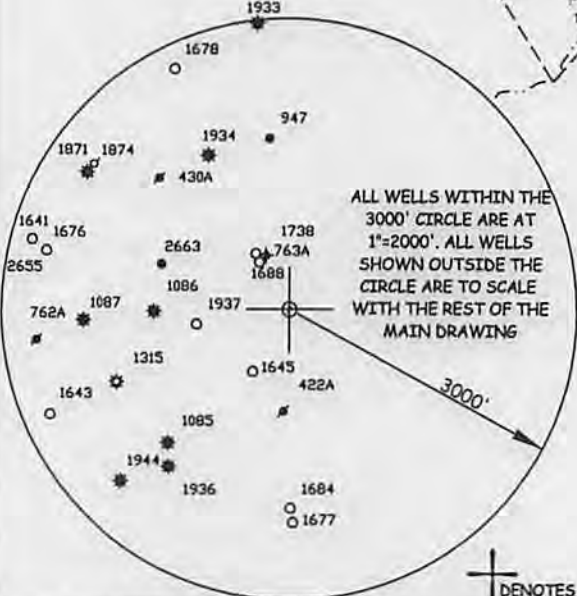
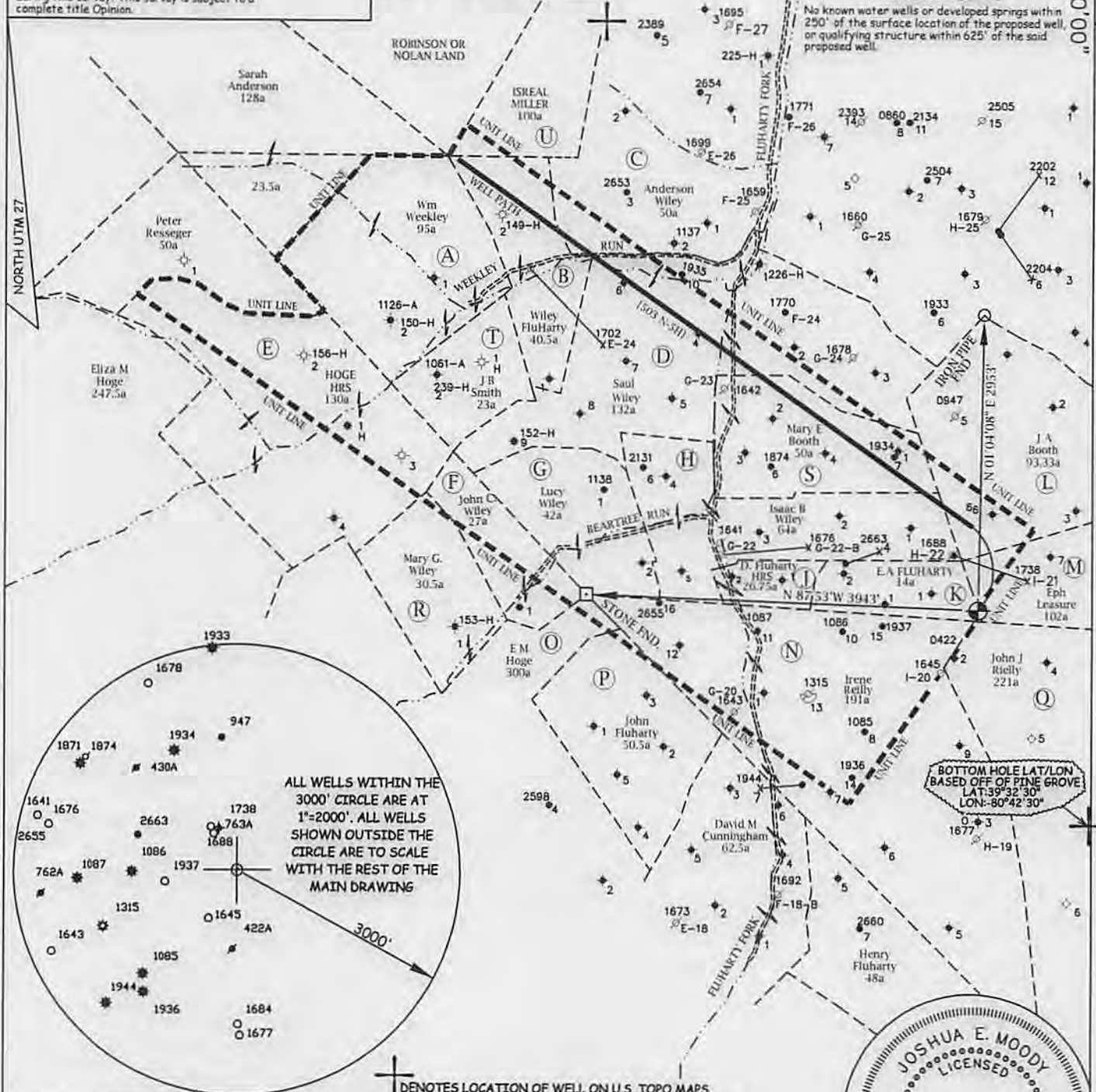
3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete title Opinion.

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,371,732m. E-526,681m.
Bottom Hole	N-4,373,097m. E-525,080m.

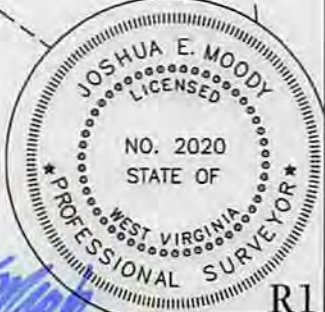
LOCATION REFERENCES	
UTM 27	S 16°50' E 300' SPIKE N 21°11' E 359' SPIKE

**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.



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



JOB # 13-027
DWG # C/CP/13/HG/WP/503NTH/N-SHW
SCALE 1" = 1500'
MINIMUM DEGREE OF ACCURACY SUB-METER
PROVEN SOURCE OF ELEV. SUBMETER 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 12/04/2013
OPERATOR'S WELL # 503 N-5H

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 1474' WATERSHED FLUHARTY FORK, PINEY FORK API WELL # 47-103-02979 HGA
DISTRICT GREEN COUNTY WETZEL STATE COUNTY PERMIT
QUADRANGLE CENTER POINT 7.5'

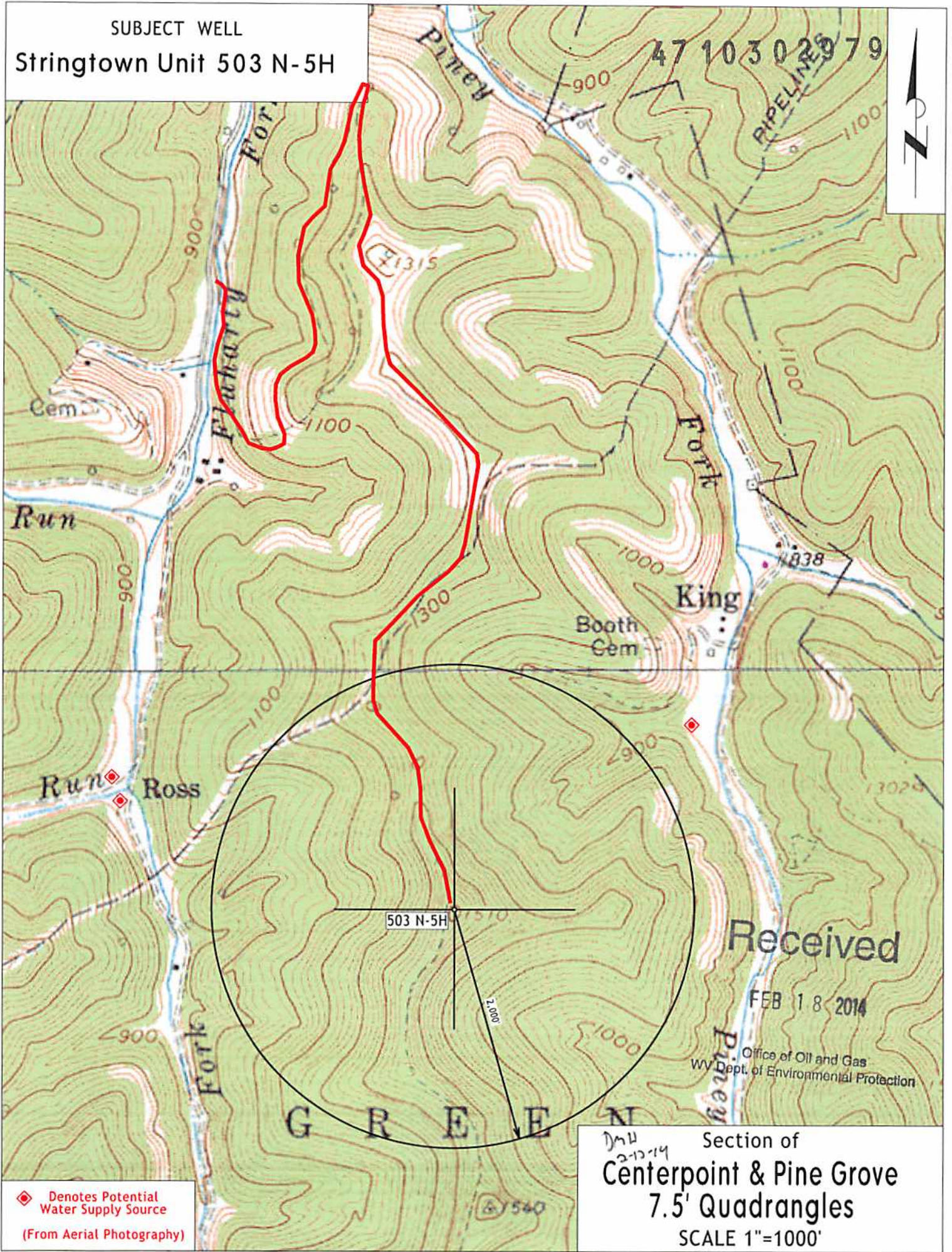
SURFACE OWNER DALLISON LMB ETAL. ACREAGE 20.8 ACRES +/- SURFACE OWNER STATE OF WV DNR ACREAGE 190.35 ACRES +/-
SURFACE OWNER JS BOOTH EST ETAL. ACREAGE 21 ACRES +/- SURFACE OWNER STATE OF WV DNR ACREAGE 220 ACRES +/-

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= 7,383' MD= 14,327'
WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT MIKE KIRSCH
ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

05/06/2014

SUBJECT WELL
Stringtown Unit 503 N-5H



◆ Denotes Potential Water Supply Source
(From Aerial Photography)

Section of
Centerpoint & Pine Grove
7.5' Quadrangles
SCALE 1"=1000'