

LN: -80°28'23.2"

4180

LN: 80°27'30"

LAT: 39°20'00"

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- A. CARTER 8

SURVEY NOTES

1 - Well ties and Latitude and Longitude were measured by Topcon GR5-1 mapping grade GPS. Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1983).

2 - Surface owners, adjoining information, Lease names, & line mapping obtained from HGE GIS system.

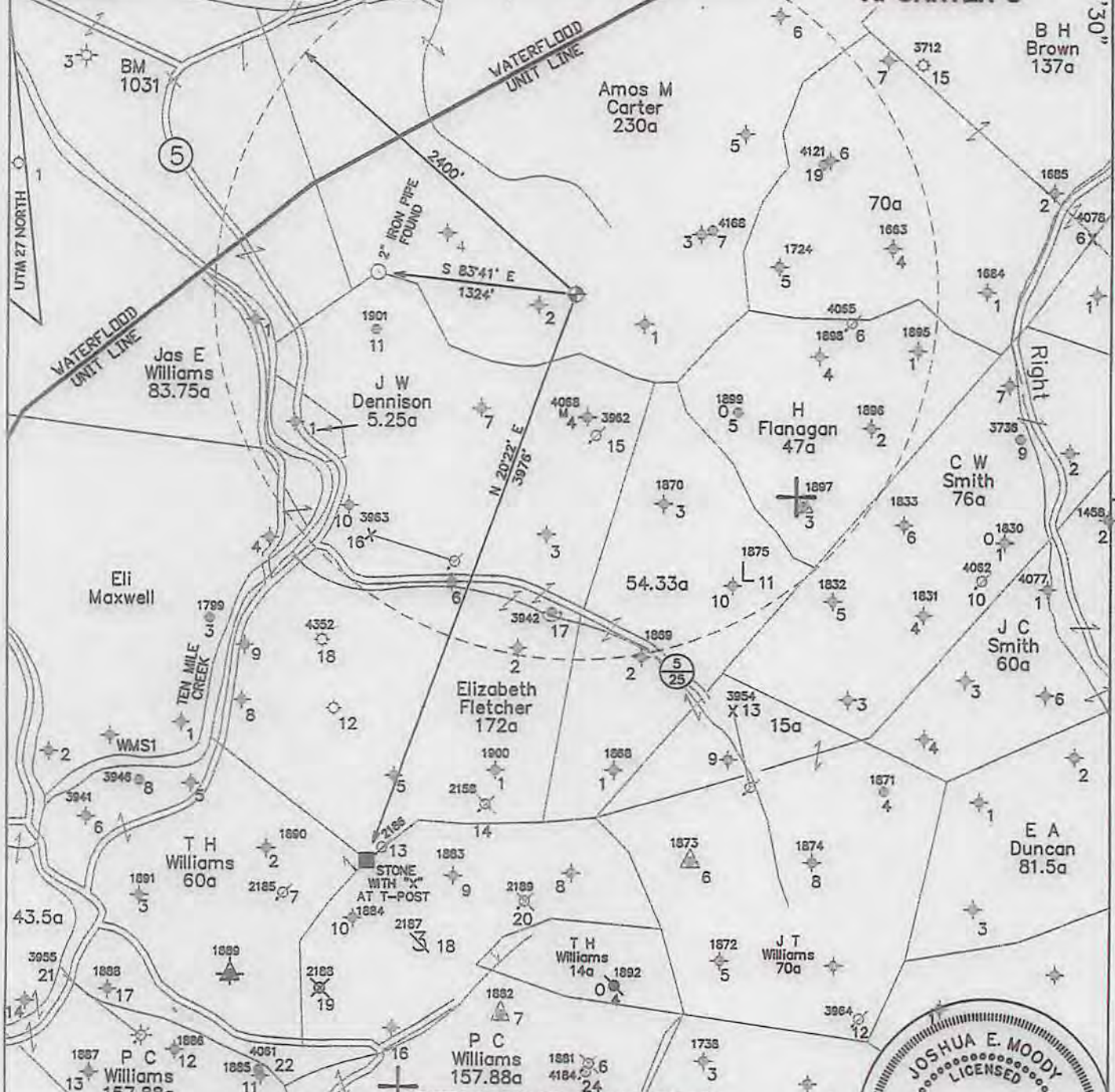
3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete title Opinion.

UTM Coordinates
(Zone 17N-NAD 1983)

N-4,351,376m. Surface
E-545,441m.

LOCATION REFERENCES

MAGNETIC BEARINGS
S 60° W 121.0' FACE OF 15" ASPEN
S 80° E 102.5' CENTER OF BASE OF
TWIN HICKORY, EACH FORK IS 5"
Brg. Direction is prop. well to the ref.



JOB # 13-014
DRAWING # 13LAKEFLOYD 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



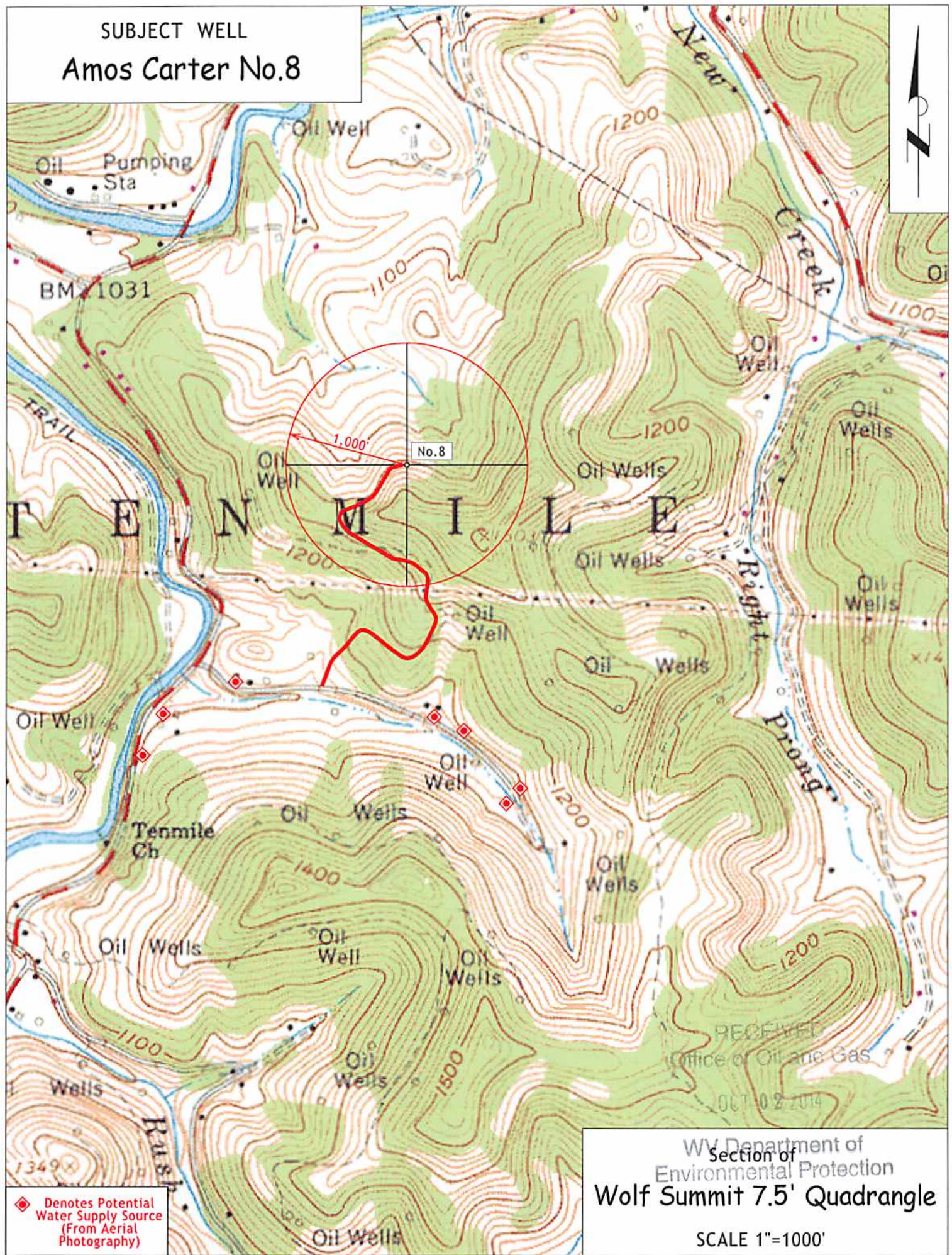
WEST VIRGINIA DEPARTMENT
OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

JOSHUA E. MOODY, P.S. 2020
DATE 5/15/13
OPERATOR'S WELL
A. CARTER #8

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL HORIZONTAL
(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1305' WATERSHED TEN MILE CREEK API WELL # 058475
DISTRICT TEN MILE COUNTY HARRISON STATE COUNTY PERMIT
QUADRANGLE WOLF SUMMIT 7.5'

SURFACE OWNER ARZANA CUMBERLEDGE ACREAGE 57.44 ACRES +/-
OIL & GAS ROYALTY OWNER MARY T. GAIN ET AL LEASE ACREAGE 230 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 5TH SAND ESTIMATED DEPTH MD= 3,050'
WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT MIKE KIRSCH
ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

SUBJECT WELL
Amos Carter No.8



◆ Denotes Potential Water Supply Source (From Aerial Photography)

WV Department of Environmental Protection
Section of
Wolf Summit 7.5' Quadrangle

SCALE 1"=1000'

RECEIVED
Office of Oil and Gas
OCT 02 2014