

(BOTTOM HOLE: 80°39'56.9")

LONG: -80°40'35.9"

2814'

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 Wetzel 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.

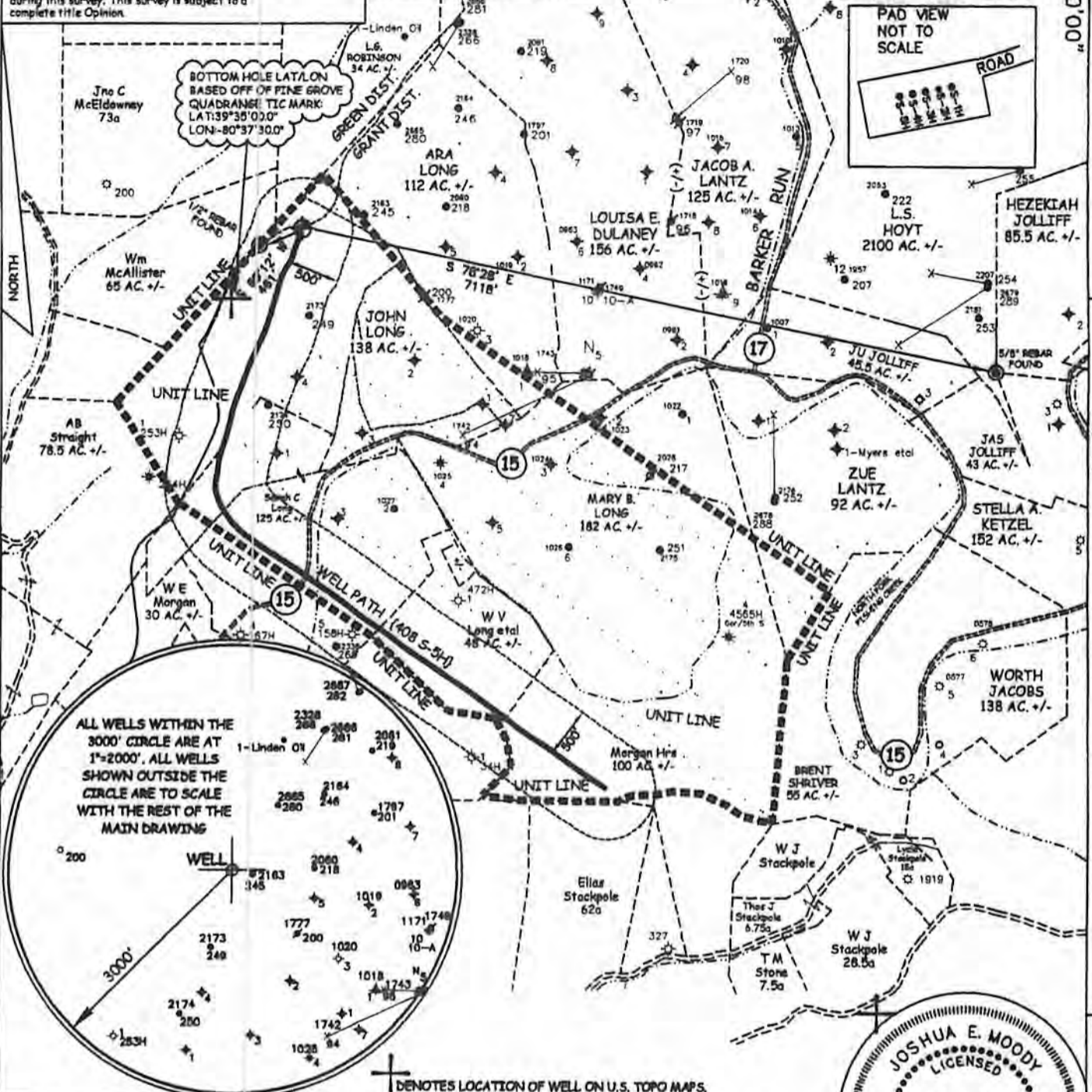
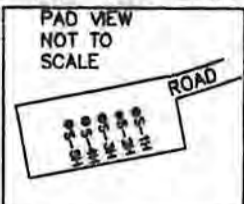
SURVEY NOTES

| UTM Coordinates (Zone 17N-NAD 1983) |                              |
|-------------------------------------|------------------------------|
| Surface                             | N-4,381,584m.<br>E-527,784m. |
| Bottom Hole                         | N-4,379,871m.<br>E-528,722m. |

| LOCATION REFERENCES   |                       |
|-----------------------|-----------------------|
| NAD 1983              |                       |
| N 41°00' E 184' SPIKE | S 78°41' E 117' SPIKE |

LAT: 39°37'30"

**MAP OF H.G. ENERGY, LLC -LONG 408 UNIT-**



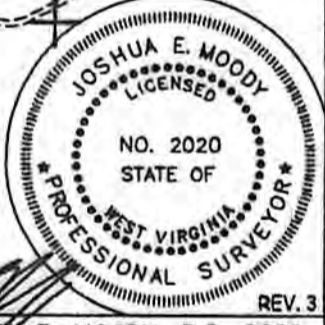
⊕ DENOTES LOCATION OF WELL ON U.S. TOPO MAPS.

JOB # 12-025  
DRAWING # 12HG408FOLDER  
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



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

JOSHUA E. MOODY, P.S. 2020  
DATE 12/08/14  
OPERATOR'S WELL # 408 S-5H

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  HORIZONTAL   
(IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
LOCATION: ELEVATION 1340' WATERSHED NORTH FOR, FISHING CREEK  
DISTRICT GRANT COUNTY WETZEL STATE COUNTY PERMIT # 47-103-02891/HG1

SURFACE OWNER FRANCIS D. & FREEDA M. BROWN (surface hole) ACREAGE 103 ACRES +/-  
OIL & GAS ROYALTY OWNER ROBERT B. MYERS ET AL LEASE ACREAGE 514.72 ACRES +/-  
PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION   
OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED LOCATION  
PLUG & ABANDON  CLEAN OUT & REPLUG   
TARGET FORMATION MARCELLUS  
WELL OPERATOR H.G. ENERGY, LLC  
ADDRESS 5260 DuPONT ROAD PARKERSBURG, WV 26101  
ESTIMATED DEPTH TVD= 7,326.84' MD= 12,882'  
DESIGNATED AGENT DIANE WHITE  
ADDRESS 5260 DuPONT ROAD PARKERSBURG, WV 26101

07/08/2016

LONG: 80°40'00" LAT: 39°35'00.4" (BOTTOM HOLE: 39°34'04.7")