

(BOT. HL: LON:-81°17'00.1")

LON: -81°16'55.7"

9175'

LAT: 38°45'00"

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- E. SMITH 213

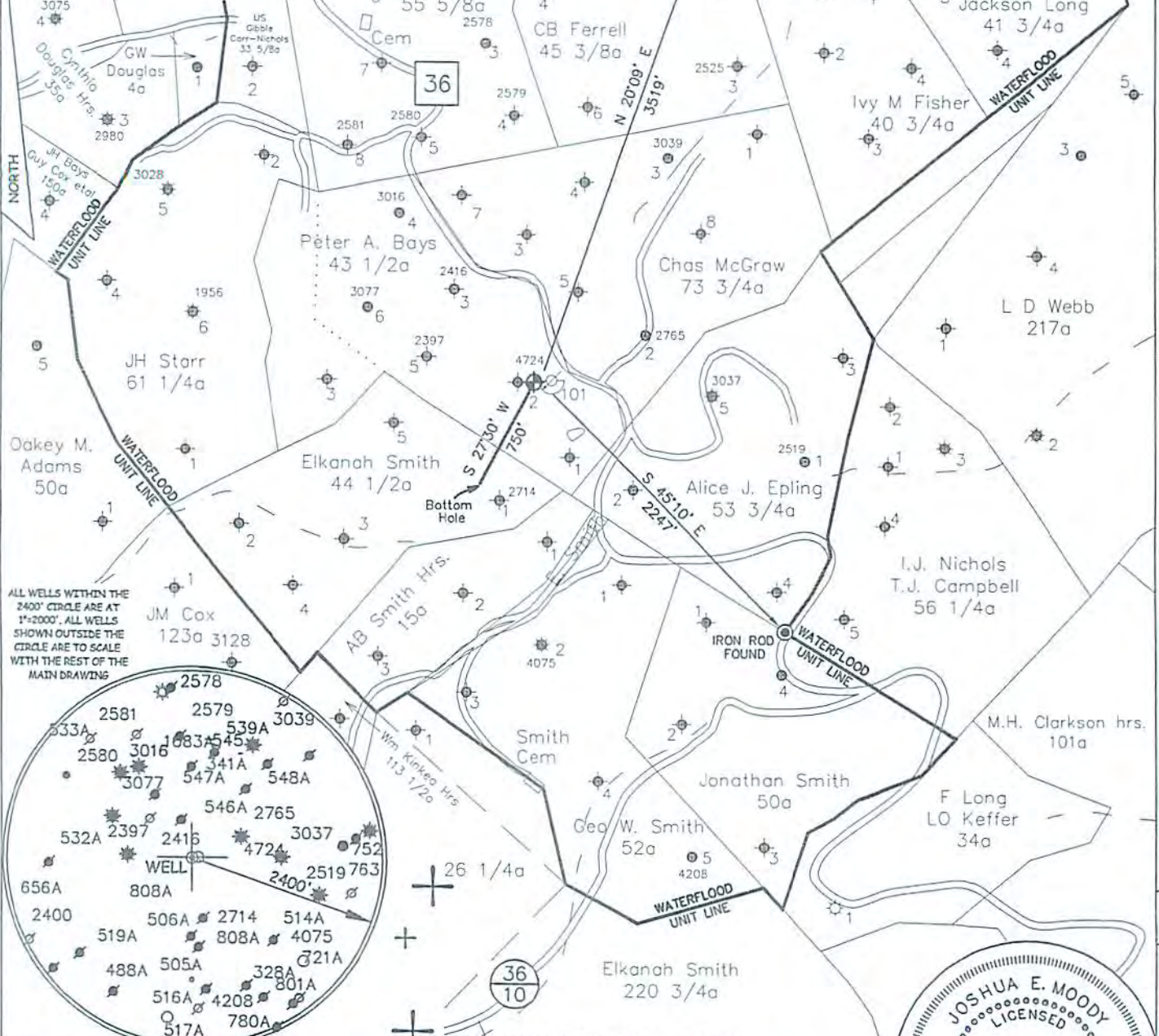
LON: 81°15'00"

- 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 adjoiners information obtained from the Roane 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.
 - 4 - Existing well spots from HGE or Seneca Tech, Inc. data

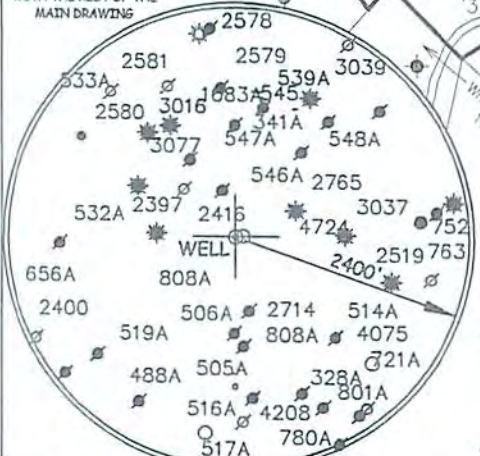
UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,284,729m. E-475,483m.
Bottom Hole	N-4,284,527m. E-475,377m.

LOCATION REFERENCES	
MAGNETIC BEARING	N 45° E 104.7' S.W. BARN CORNER
	S 89° E 112.0' BAYS WELL #101

THERE POTENTIALLY APPROXIMATELY 4 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.



ALL WELLS WITHIN THE 2400' 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 # 14-033
DRAWING # 14CLOVER 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



JOSHUA E. MOODY, P.S. 2020
DATE 12/15/14
OPERATOR'S WELL
E. SMITH # 213

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 1162' WATERSHED LAUREL FORK API WELL # _____
DISTRICT SMITHFIELD COUNTY ROANE 47 - 087 - 04774
QUADRANGLE LOONEYVILLE 7.5' STATE COUNTY PERMIT

SURFACE OWNER ORLANDO B. NIDAY ACREAGE 16.56 ACRES +/-
OIL & GAS ROYALTY OWNER FREEHOLD COMPANY ET AL LEASE ACREAGE 50.00 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 (S 27° 15' E 75° 50' W)
PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION BIG INJUN
WELL OPERATOR H.G. ENERGY, LLC
ADDRESS 5260 DuPONT ROAD PARKERSBURG, WV 26101
ESTIMATED DEPTH TVD=2,280' MD=2,800'
DESIGNATED AGENT DIANE WINE
ADDRESS 5260 DuPONT ROAD PARKERSBURG, WV 26101

FORM WW-6

LEASE # 60232
WV Department of Environmental Protection

04/17/2015

RECEIVED
Office of Oil and Gas
FEB 20 2015

14285'

LAT: 38°42'38.8"

(BOTTOM HOLE: LAT: 38°42'32.2")

SUBJECT WELL
Elkannah Smith No.213



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

Section of
WV Department of
Environmental Protection
Looneyville 7.5' Quadrangle
SCALE 1"=1000'

RECEIVED
Office of Oil and Gas
Gas Well
FEB 20 2015