

(BOT. HL: LON:-81°17'08.8")

LON: -81°17'04.1"

9840'

LON: 81°15'00"

12215'

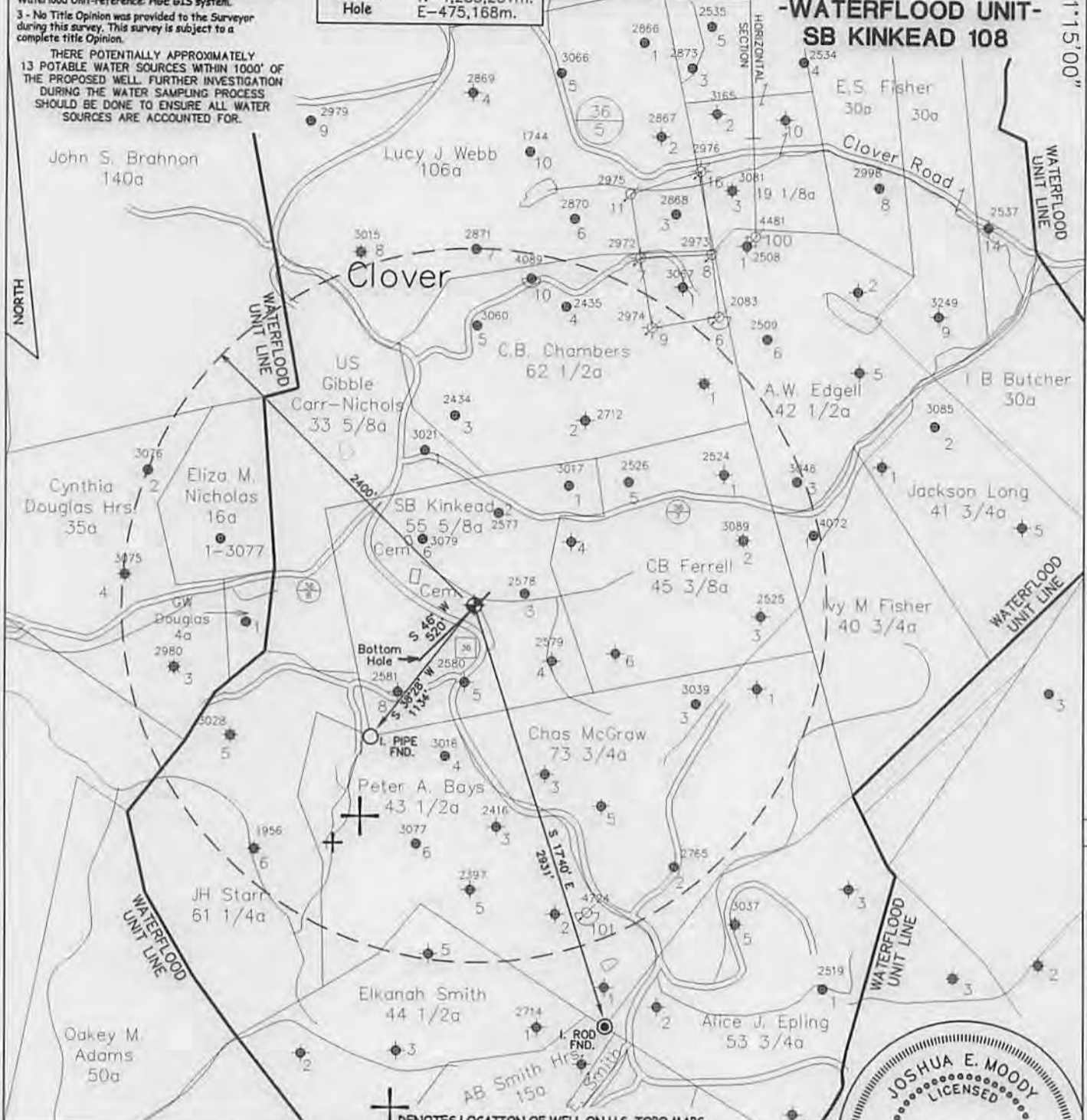
LAT: 38°42'59.3" (BOTTOM HOLE: LAT: 38°42'55.7")

- SURVEY NOTES**
- 1 - Well ties and Latitude and Longitude were measured by Topcon Hiper GA survey grade GPS. Bearings are referenced to UTM Grid North (Zone 17 North - NAD 1983).
 - 2 - Surface owners, adjoiners information, Lease names existing wells, & line mapping obtained from HGE GIS system. No survey was performed to determine lines within the Waterflood Unit-reference: HGE GIS system.
 - 3 - No Title Opinion was provided to the Surveyor during this survey. This survey is subject to a complete title Opinion.

THERE POTENTIALLY APPROXIMATELY 13 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.

UTM Coordinates (Zone 17N-NAD 1983)		LOCATION REFERENCES	
Surface	N-4,285,361m. E-475,282m.	MAGNETIC BEARING N 75° E 87.0' GAS LINE MARKER N 32° W 122.5' WOOD FENCE POST	
Bottom Hole	N-4,285,251m. E-475,168m.		

LAT: 38°45'00"
**MAP OF
 H.G. ENERGY, LLC
 -WATERFLOOD UNIT-
 SB KINKEAD 108**



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

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 10/17/14
 OPERATOR'S WELL
 SB KINKEAD # 108

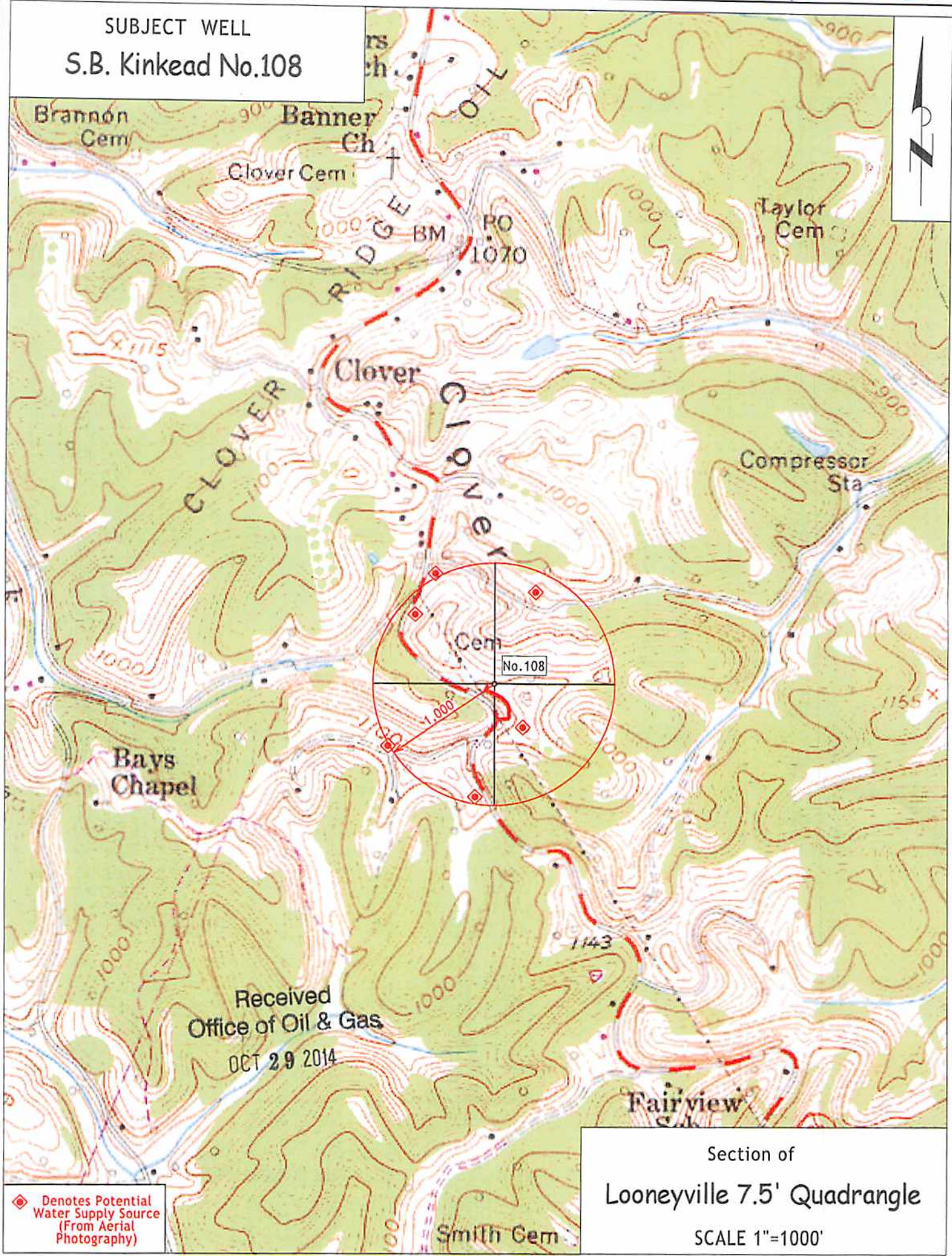
JOB # 14-033
 DRAWING # 14CLOVER FOLDER
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEV. MAPPING GRADE GPS

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 1110' WATERSHED RUSH CREEK OF HENRYS FORK API WELL #
 DISTRICT SMITHFIELD COUNTY ROANE 47 - 83 - 04749 S
 QUADRANGLE LOONEYVILLE 7.5' STATE COUNTY PERMIT

SURFACE OWNER REVA SNODGRASS ET AL ACREAGE 22 ACRES +/-
 OIL & GAS ROYALTY OWNER APPALACHIAN ROYALTIES ET AL LEASE ACREAGE 56 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 46° W 520')
 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION BIG INJUN ESTIMATED DEPTH TVD=2,240' MD=2,660'
 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
S.B. Kinkead No.108



◆ Denotes Potential Water Supply Source (From Aerial Photography)

Section of
Looneyville 7.5' Quadrangle
SCALE 1"=1000'