

(BOT. HL: LON:-81°16'42.7")

LON:-81°16'49.2"

8655'

LAT: 38°45'00"

MAP OF H.G. ENERGY, LLC -WATERFLOOD UNIT- CB FERRELL 105

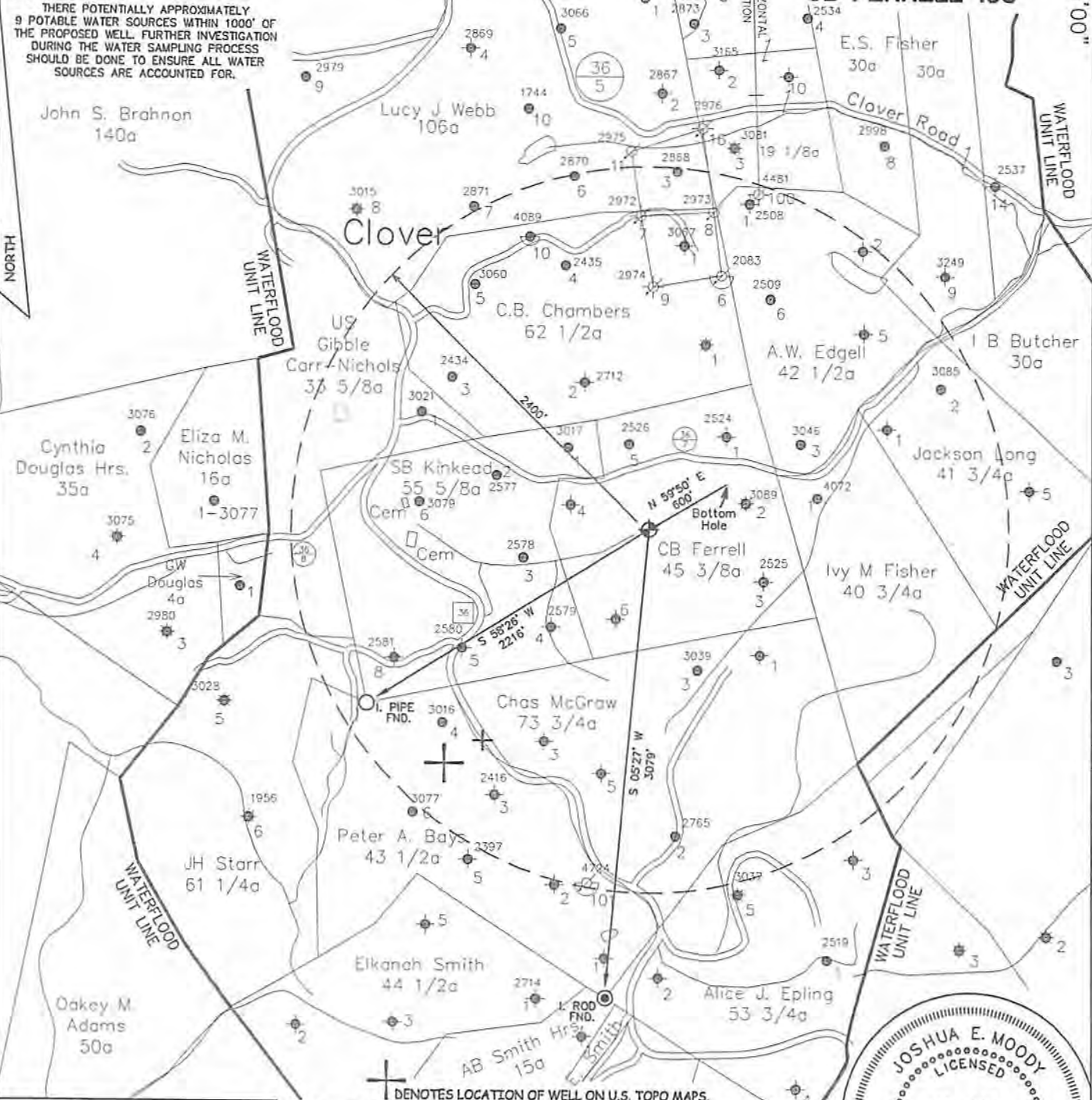
LON: 81°15'00"

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 1927).
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.

SURVEY NOTES

UTM Coordinates (Zone 17N-NAD 1983)	
Surface	N-4,285,444m. E-475,643m.
Bottom Hole	N-4,285,536m. E-475,800m.

LOCATION REFERENCES	
MAGNETIC BEARING	
S 59° W 123.0'	24' MAPLE
S 84° W 144.8'	12' SASSAFRAS



11940'

LAT:38°43'02.0"

(BOTTOM HOLE: LAT:38°43'05.0")

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 10/17/14
OPERATOR'S WELL CB FERRELL # 105

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 - 07 - 04755
QUADRANGLE LOONEYVILLE 7.5' STATE COUNTY PERMIT

SURFACE OWNER TIMOTHY D. MAY ACREAGE 25.51 ACRES +/-
OIL & GAS ROYALTY OWNER BEVERLY EBERFELD ET AL LEASE ACREAGE 45 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 (N 59°50' E 600')
PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
TARGET FORMATION BIG INJUN ESTIMATED DEPTH TVD=2,225' MD=2,675'
WELL OPERATOR H.G. ENERGY, LLC DESIGNATED AGENT MIKE KIRSCH
ADDRESS 5260 DuPONT ROAD ADDRESS 5260 DuPONT ROAD
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

FORM WW-6 Received Office of Oil & Gas LEASE # 62217-50

NOV 13 2014

01/09/2015

SUBJECT WELL
C.B. Ferrell No.105



◆ Denotes Potential Water Supply Source (From Aerial Photography)

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

Received
Office of Oil & Gas
NOV 13 2014