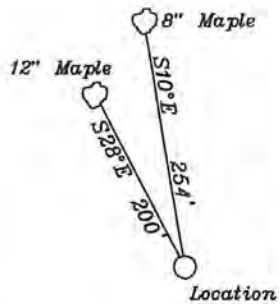


References



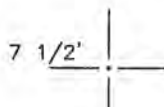
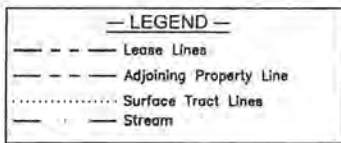
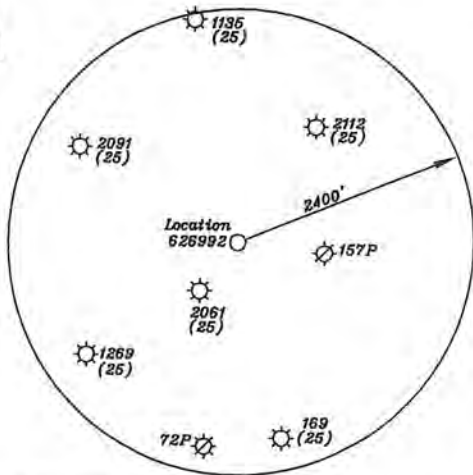
Top Hole
 NAD27 Coordinates:
 38.832872 N
 80.282365 W

WGS84 Coordinates:
 38.832974 N
 80.282169 W

Bottom Hole
 NAD27 Coordinates:
 38.823050 N
 80.280160 W

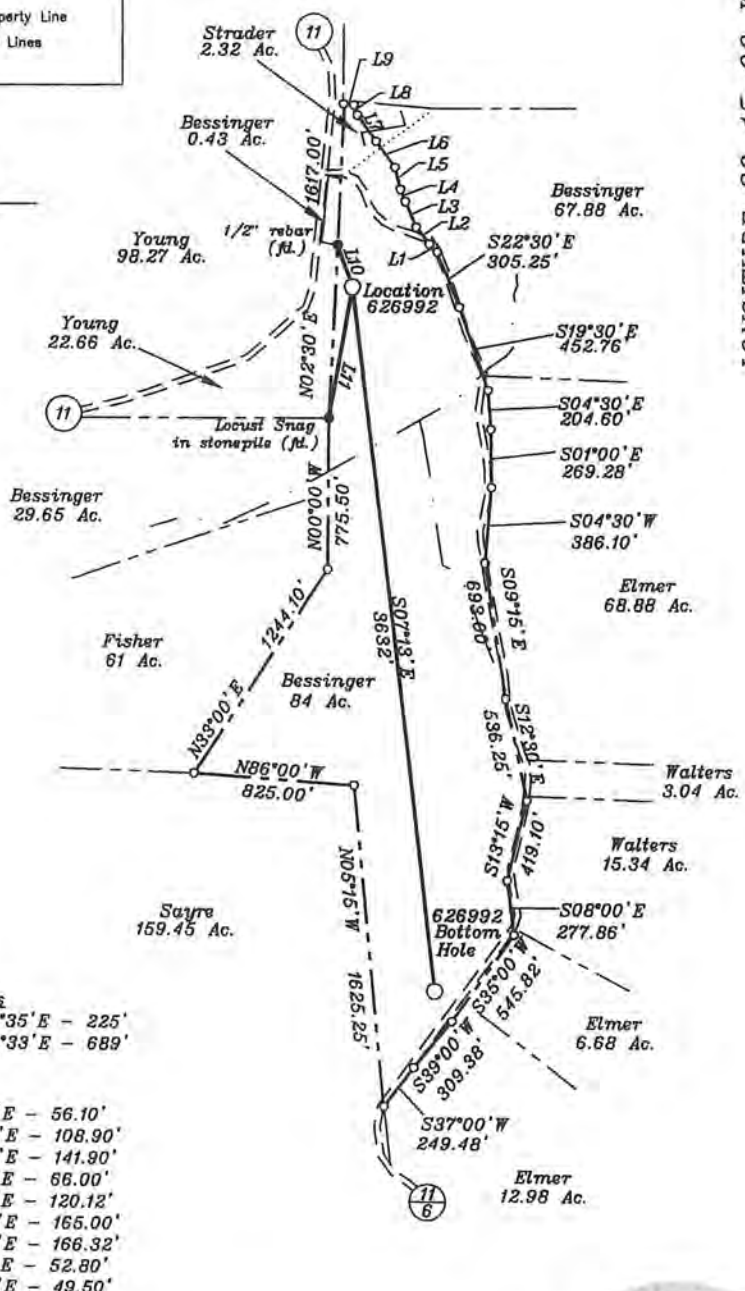
WGS84 Coordinates:
 38.823152 N
 80.279964 W

NORTH



Top Hole 9,300'
 Bottom Hole 8,700'
 LATITUDE 38-50-00 N

LONGITUDE 80-15-00 W
 Bottom Hole 3,700'
 Top Hole 150'



- Well Ties
 L10: S19°35'E - 225'
 L11: N09°33'E - 689'
- L1: S66°00'E - 56.10'
 L2: S38°00'E - 108.90'
 L3: S23°00'E - 141.90'
 L4: S22°15'E - 66.00'
 L5: S14°00'E - 120.12'
 L6: S36°00'E - 165.00'
 L7: S35°00'E - 166.32'
 L8: S19°30'E - 52.80'
 L9: S86°00'E - 49.50'

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. Rock Cave 983-992
 DRAWING NO. Bessinger 1
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION GPS
Submeter unit

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 PRESCRIBED BY THE DEPARTMENT OF ENERGY.

(SIGNED) _____
 R.P.E. _____ L.L.S. 2159



STATE OF WEST VIRGINIA
 Division of Environmental Protection
 OFFICE OF OIL AND GAS

DATE July 25, 2008
 OPERATOR'S WELL NO. 626992
 API WELL NO. 47-097-03582-H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,981' WATER SHED Crassy Creek
 DISTRICT Banks COUNTY Upshur
 QUADRANGLE Rock Cave 7 1/2'

SURFACE OWNER Craig Bessinger ACREAGE 84 Ac.
 OIL & GAS ROYALTY OWNER Elizabeth Rose Strader LEASE ACREAGE 84 Ac.
 LEASE NO. 1-215941-001

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON CLEAN OUT AND REPLUG

TARGET FORMATION Marcellus ESTIMATED DEPTH 7225' TVD/10,976' MD
 WELL OPERATOR Chesapeake Appalachia, LLC. DESIGNATED AGENT Michael John
 ADDRESS P.O. Box 6070, Charleston, WV 25362-0070 ADDRESS P.O. Box 6070, Charleston, WV 25362-0070

CANCELLED

COUNTY NAME
 PERMIT

08/24/2012