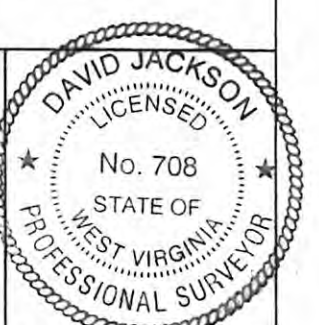


FILE NO. _____
 DRAWING NO. 1
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION GPS
submeter unit

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) David L Jackson
 R.P.E. _____ L.L.S. 708



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

DATE November 11, 2011
 OPERATOR'S WELL NO. Vernon Johnson WTZ 6H
 API WELL NO. 47 - 103 - 02742H
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION 1438' WATER SHED WV Fork of Fish Creek & Tan Trough Run
 DISTRICT Clay COUNTY Wetzel
 QUADRANGLE Littleton 7 1/2'

SURFACE OWNER Vernon S. Johnson ACREAGE 132 ac.
 OIL & GAS ROYALTY OWNER Vernon S. Johnson LEASE ACREAGE 528.75 ac
 LEASE NO. 1-253654-001 to 008 (TM 1-1), 1-243600-001 to 010 (TM 1-6 & 5), 1-272976-001 to 011 (TM 1-4), 1-272975-001 to 015 & 020 (TM 1-13), 1-242977-001 & 002 (TM 1-35), 1-289848-001 & 002 (TM.1-16), 1-292576-001 (TM 1-33), Third Party Assignment DB 86A/364 (TM 2-24)

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

TARGET FORMATION Marcellus ESTIMATED DEPTH 7675'+ Horizontal leg (TMD 14108')
 WELL OPERATOR Chesapeake Appalachia, L.L.C. DESIGNATED AGENT Eric B. Gillespie
 ADDRESS P.O. Box 18496 Oklahoma City, OK 73154-0496 ADDRESS P.O. Box 6070 Charleston, WV 25362