

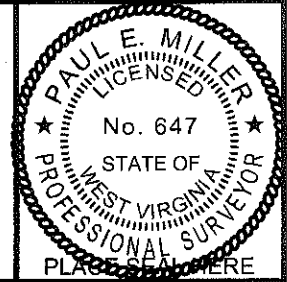
SURFACE HOLE	
STATE PLANE WV SOUTH ZONE NAD 1927 N - 561,374.928 : E - 1,880,026.784	
LATITUDE: (N) 38.5409342 LONGITUDE: (W) 81.4194506	
UTM, NAD83 17 - 84W TO 78W, METERS N - 4,265,929.463 : E - 463,459.124	

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

FILE NO.	CA801133P&A.DGN
DRAWING NO.	801133 P&A
SCALE	1" = 1000'
MINIMUM DEGREE OF ACCURACY	1 : 200
PROVEN SOURCE OF ELEVATION	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 PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

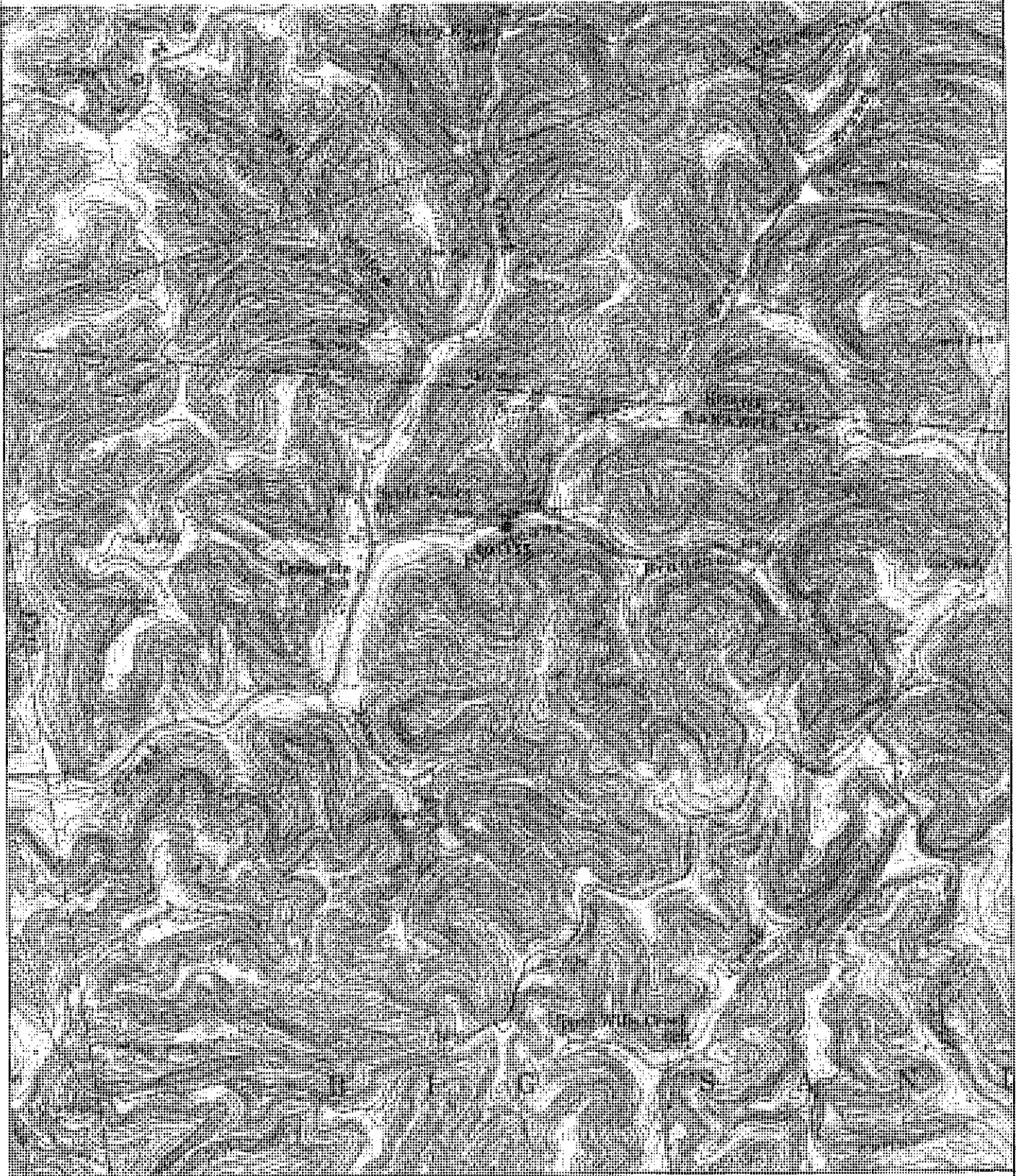
(SIGNED) *Paul E. Miller*  
R.P.E. \_\_\_\_\_ L.I.S. 647



STATE OF WEST VIRGINIA DIVISION OF ENVIRONMENTAL PROTECTION OIL AND GAS DIVISION		DATE	AUGUST 09, 2012		
		OPERATOR'S WELL NO.	801133		
WELL TYPE: OIL ___ GAS <u>X</u> LIQUID INJECTION ___ WASTE DISPOSAL ___ (IF "GAS,") PRODUCTION <u>X</u> STORAGE ___ DEEP ___ SHALLOW <u>X</u>		API WELL NO.	47	039	3004P
LOCATION: ELEVATION 742' WATER SHED HURRICANE BRANCH OF LITTLE SANDY CREEK		STATE	COUNTY	PERMIT	
DISTRICT BIG SANDY COUNTY KANAWHA					
QUADRANGLE KETTLE, WV 7.5'					
SURFACE OWNER JOEL P. & MARGARET KAY HOWINGTON ACREAGE 27					
OIL & GAS ROYALTY OWNER EDNA G. HUNT LEASE ACREAGE 76					
LEASE NO. 1-002787-000					
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 <u>X</u> CLEAN OUT AND REPLUG ___					
TARGET FORMATION _____ ESTIMATED DEPTH _____					
WELL OPERATOR CHESAPEAKE APPALACHIA, L.L.C.		DESIGNATED AGENT ERIC B. GILLISPIE			
ADDRESS PO BOX 18496, OKLAHOMA CITY, OK 73154-0496		ADDRESS PO BOX 6070, CHARLESTON, WV 25362			

COUNTY NAME  
PERMIT

3903004F



Scale 1: 25,000  
1" = 2,000 ft



U.S. GEOLOGICAL SURVEY  
Water Resources Division  
National Water Research Institute



AUG 21 2012

Department  
Environmental Sciences

08/31/2012