WW-7

8-30-06

West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-083-00541 P **WELL NO.:** 911094

FARM NAME: Harry McMullan, Jr. Estate

RESPONSIBLE PARTY NAME: Chesapeake Appalachia, LLC

COUNTY: Randolph **DISTRICT:** Middle Fork

QUADRANGLE: Adolph

SURFACE OWNER: Penn Virginia Operating Co., LLC

ROYALTY OWNER: Harry McMullan, Jr. Estate

UTM GPS NORTHING: 4288872.5

UTM GPS EASTING: 578912.6

GPS ELEVATION: 2940'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____: Post Processed Differential _____
Real-Time Differential _____
Mapping Grade GPS ____: Post Processed Differential _____
Real-Time Differential _____

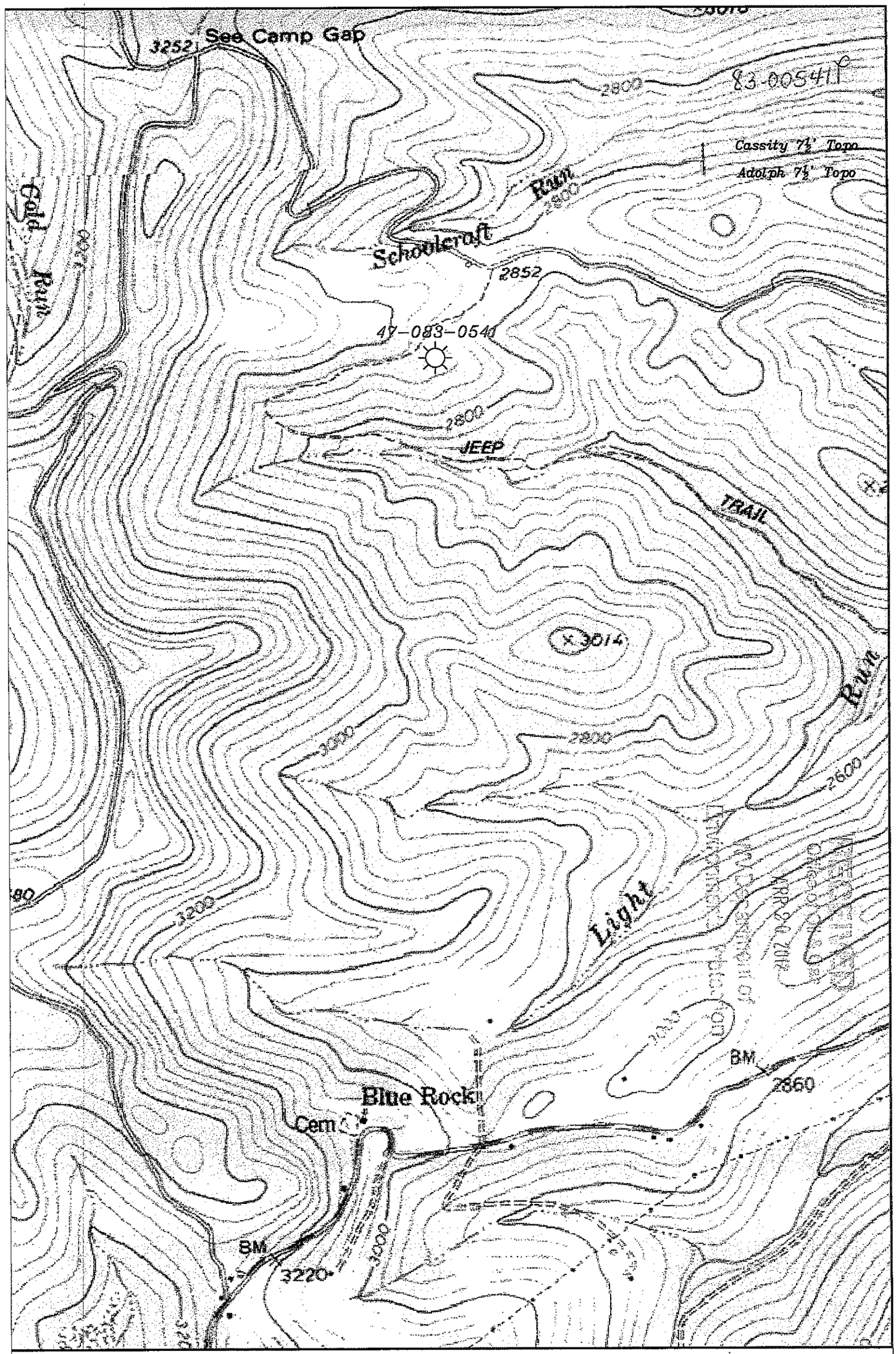
4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data 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 Office of Oil and Gas.

Signature _____ Title Reg. Comp. Spec.

Date 5-16-12

05/25/2012



WELL: A-1094
PERMIT #: 47-083-0541
QUAD: ADOLPH 7 1/2'
DISTRICT: MIDDLE FORK
COUNTY: RANDOLPH
STATE: WEST VIRGINIA

GEOGRAPHIC NAD27
Latitude: 38.737222
Longitude: 80.101428
UTM NAD83 (Meters)
4288011.8 N
578114.2 E

0 500' 1000'
Scale: 1"=1000'

Chesapeake ENERGY
P.O. Box 18496 Oklahoma City, OK 73154-0496

05/25/2012