



West Virginia Department of Environmental Protection
Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-083-00177 P WELL NO.: 910516
FARM NAME: Harry Mc Mullan, Jr.
RESPONSIBLE PARTY NAME: Chesapeake Appalachia, LLC
COUNTY: Randolph DISTRICT: Middle Fork
QUADRANGLE: Sago
SURFACE OWNER: Jimmie R. and Delma Woody, et al
ROYALTY OWNER: Harry McMullan Jr. et al
UTM GPS NORTHING: 4293946.1
UTM GPS EASTING: 578167.5 GPS ELEVATION: 2860

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 _____

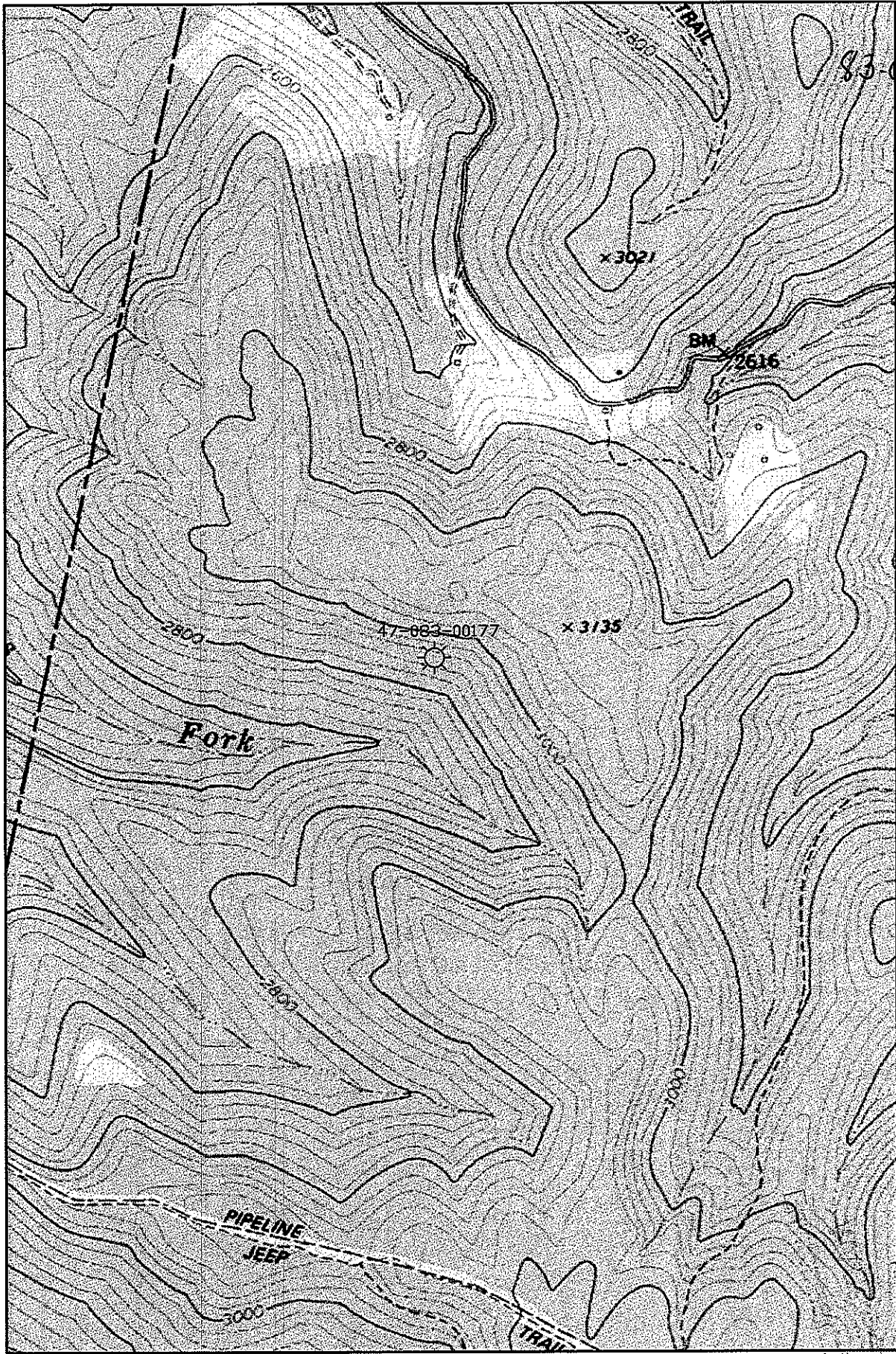
4. **Letter size copy of the topography map showing the well location.**

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]
Signature

Regulatory Specialist I
Title

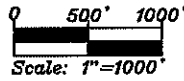
5-3-12
Date



83-00177P

WELL: A-516
 PERMIT #: 47-083-00177
 QUAD: Cassity 7 1/2'
 DISTRICT: Middle Fork
 COUNTY: RANDOLPH
 STATE: WEST VIRGINIA

GEOGRAPHIC NAD27
 Latitude: 38.790690
 Longitude: 80.100142
UTM NAD83 (Meters)
 4293946.1 N
 578167.5 E



APR 10 2012
 CHESAPEAKE ENERGY SERVICES
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