

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name: Crab Orchard Coal & Land Operator Well No.: CO1-5B

LOCATION: Elevation: 2268.98 Quadrangle: Eccles
District: Trap Hill County: Raleigh
Latitude: 7534 Feet South of 37 Deg. 47 Min. 30 Sec.
Longitude: 2185 Feet West of 81 Deg. 15 Min. 00 Sec.

Well Type: OIL _____ GAS X

Company ARP Mountaineer Production, LLC Coal Operator ICG Beckley, LLC
Park Place Corporate Center One or Owner PO Box 49
1000 Commerce Drive 4th Floor Pittsburgh, PA 15276 Eccles, WV 25836
Agent Gary Kennedy Coal Operator Crab Orchard Coal & Land Company
Permit Issued Date 01/26/2015 or Owner PO Box 443
Charleston, WV 25322

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Raleigh ss:

Jeff Cooper and Roger Laxton being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the January day of 30th, 2015, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
Bentonite/infusion				
		<u>See Attachment #1</u>		

Received

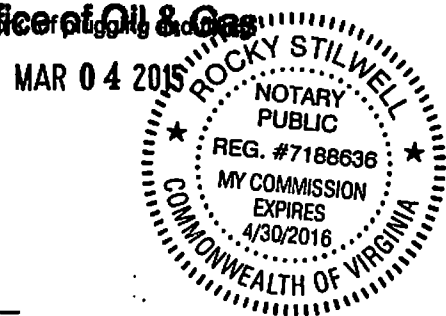
Description of monument: Partial plugging as per MSHA approved consolidated ventilation base plan. and that the Office of Oil & Gas said well was completed on the 30th day of January, 2015.

And further deponents saith not. Jeff Cooper
Roger Laxton

Sworn and subscribe before me this 10th day of February, 202015

My commission expires: 4/30/2016

Rocky Stilwell
Notary Public



Affidavit reviewed by the Office of Oil and Gas: Gary Kennedy

Title: Inspector 03/13/2015

81-01423P

Attachment 1

CO 1-5B Actual Plugging Procedure

Rods, tubing and pump were pulled from the hole. The tubing was tallied and run back into the hole to a depth of 889 ft GL, 10 feet above the coal seam.

The original planned jobs volumes for this bentonite treatment were:

545 barrels of fresh water

652 barrels of 2 – 6% bentonite

472 barrels of fresh water

In order to maintain access to the laterals, the vertical portion of the CO 1-5A was not cemented at the time the laterals were treated with bentonite through the CO 1-5B well. Additional volume was added to account for the vertical section of the CO 1-5A. The new volumes which were pumped were:

595 barrels of fresh water

705 barrels of 3 ½% bentonite

483 barrels of fresh water

The maximum tubing pressure was 172 psi with no pressure seen on the annulus.

Rates and pressures were continuously monitored.

Bentonite samples were taken every 15 minutes during pumping.

The fresh water source was analyzed prior to the job.

The CO-15B and CO 1-5A will be left to vent until mining has been complete and then the vertical sections of both wells will be cemented.

Received
Office of Oil & Gas
MAR 04 2015


03/13/2015