

## Assessment of P&A Wells Within 1/4 Mile of Proposed CBM Well

June 2, 2015

**Operator:** BP America Production Company

**Proposed Well:** Rhodes 1 (API Pending)

**Location:** Sec 7, T34N, R06W

Based on a review of COGCC records, the following wells were identified as plugged and abandoned within 1/4 mile of our proposed well.

**Well Name:** State Gas Com “MZ” 1 (API 05-067-07989)

**Location:** SENW Sec 7, T34N, R06W

**Drilled By:** Amoco Production Company

**Operator Name:** BP America Production Company

**Date Plugged:** August 2003

The subject well was drilled in August, 1994 as a vertical Fruitland Coal producer to a TD of 2764'. Perforations were shot from 2449' – 2555' and were stimulated with a small frac treatment. The well was originally completed with the following downhole equipment:

Casing String	Hole Size (in)	Casing Type	Top (ft)	Bottom (ft)	TOC (ft)	TOC Depth Method	Install Date	Removal Date
Surface	12 1/4"	8 5/8" 24ppf	0	396	Surface	Circ to surface	Aug 1994	-
Intermediate	-	-	-	-	-	-	-	-
Production	7 7/8"	5 1/2" 17ppf	0	2758	Surface	Circ to surface	Aug 1994	-
Tubing	-	2 3/8"	0	2464	-	-	?	?
		-	-	-			-	
Perforations	-	-	2449	2555	-	-	?	-
Openhole	-	-	-	-	-	-	-	-

This well was plugged and abandoned in August 2003 by setting a cement retainer at 2420' and squeezing 50 sacks of cement below the retainer. 285 sacks of cement were pumped inside the 5-1/2" production casing filling it to surface.

In addition, a visual inspection of the State MZ 1 PA was conducted by BP personnel on June 2, 2015. The location was properly marked with a steel pipe (Photo 1). The PA was located within an existing well pad and the surrounding area was graveled. There were no bare spots or signs of stressed vegetation off of the well pad. The area around the pipe was saturated with water to test for bubbles, but no bubbles were observed. There were no odors or soil discoloration (Photo 2).

Based on our record review and inspection, it appears the subject well has been properly plugged and abandoned.



Figure 1 – State MZ 1 Location



Figure 2 - Close-up of State MZ 1 P&A Marker