

TCEQ initial report of blowout of EagleRidge completion of the Smith Yorkum #7 gas well on Tim Christal Rd on April 19, 2013

Cathy mcmullen April 23, 2013 at 1:12 am [edit]

Here is the event log from TCEQ. Look at the amounts of contaminates released at the bottom of the page and of course it was Eagle Ridge again.

Regulated entity name BRADFORD 1 Physical location 4554 JIM CRISTAL RD

Regulated entity RN number RN106359482 City, County DENTON, DENTON

Type(s) of air emissions event: EMISSIONS EVENT Event began: 04/19/2013 8:00AM

This is based on the: INITIAL REPORT Event ended: 04/19/2013 3:39PM

Cause The completion rig crew on location were coming out of the hole up to around 7,000' with the tubing to pull out the last safety check around 1:30 am. The tubing separated above the safety check valve, the crew attempted to install another safety check valve at the surface and made several attempts to kill the pressure in the well with water, but the pressure on well. It was determined that the location was unsafe and the crew were no longer in control of the well around 8am this morning. The drilling crew then evacuated the location.

Action taken The well was trying to die down several times prior to and after 8am, however, the crew was unable to kill the pressure. The crew began to call Well Control contractors and other contractors to assist with the control process and begin locating equipment for the process. The crew began to evacuate the closest home and around 9-9:30am called the RRC to inform them of the problem. The crew then began calling other emergency services and the airport. The Well Control Equipment began arriving around 9:30 am until 1:30 pm. A safety meeting was held and the Well Control crew waited for enough fresh water to be brought to the location to be used for cooling off equipment and moisture around the wellhead before operations could begin. They (contractors) begin operations to install a TIW Valve at the top of the tubing around 3pm and finished around 3:39pm. And completed installation and closing of the valve at that time, which ended the event.

Emissions estimation method The estimated quantity of natural gas released for the total event was 250 to 500MCF. The calculations were conservatively based on a 500MCF flow rate over the period of 7hrs, 39 minutes. Using a conservative and representative EagleRidge flash gas analysis from condensate in the same field; a mole percent of each C1 through C7 compound was utilized to estimate each weight percent of the constituents in the gas. Using the total gas flow rate estimate and individual specie weight percent, an emissions rate of each constituent was determined for the total event. The same methodology was utilized for Benzene, Ethylbenzene, Toluene and Xylene.

Source 1: Fugitives , EPN number FUG

Contaminant Authorization Limit Amount Released

Benzene 106.4 10.0 TONS/YR 59.61 lbs (est.)

Butanes 106.352(l) and 106.4 25.0 TONS/YR 11047.0 lbs (est.)

Pentanes 106.352(l) and 106.4 25.0 TONS/YR 6277.0 lbs (est.)

Propane 106.352(l) and 106.4 25.0 TONS/YR 12556.0 lbs (est.)
