

Kowach 1-9 Form 27 Attachment

Excavation around the Kowach 1-9 wellhead was done in order to identify the source of the fresh water seepage noted in the **Kowach 1-9 FIR #689801437**. The excavation on September 17, 2018 uncovered 3 open-ended abandoned lines:

- An 8" steel line that was approximately 4' deep and 4' from the wellhead. It was pulled up and appeared to be a short piece of casing.
- A 2" steel line that was approximately 4' deep and 2' from the wellhead. This line headed south under the concrete pumping unit base. Fresh water was dribbling out of the exposed line and seeping in from beneath the line. The line was cut off as close to the pumping unit base as was prudent, capped and welded.
- A 2" steel line that was about 1' from the wellhead and ultimately about 5' deep. This line was found open ended about 2' below the ground and went down another 3' before heading in an east/north easterly direction towards the production treater, located on the other side of the road. This line was cut off as close to the lease road/gas plant road as was prudent, capped and welded. Fresh water was also dribbling out of this line and seeping in from beneath the line.

The excavated area around the wellhead was left open and the capped lines checked the next day. There was no indication of any further water seepage. The area around the wellhead was back filled with dry road base material on September 18, 2018.

There have been a number of operators of the Kowach 1-9 over the years and it has been produced as a flowing well, then placed on a Unidraulic system, and finally on beam pump all during its 45 years of production. What these abandoned lines were used for and when they were put into service, is unknown to Peakview. The same thing can be said about when these lines were abandoned and why they were abandoned.

The excavated material (Non E&P Waste) consisting of wet soil, rocks, and fresh water mud, was removed from the wellhead site and taken to a cleared area 200' to the northwest. The 9 yards of excavated material (Non E&P Waste) is stock piled on Peakview owned property. Peakview owns 11.5 acres of surface land including the Kowach 1-9 well site.

There are no plans to remediate this Non E&P Waste.