

**BAKKEN OIL EXPRESS PIPELINE, LLC —CASE NO. PU-13-825
LATE-FILED EXHIBIT 9
KILLDEER AQUIFER DISCUSSION**

To determine the potential for impacts to the Killdeer Aquifer, KLJ Engineering, Inc. (“KLJ”) reviewed well logs from 5 relevant wells located within or near the Project corridor. The pipeline begins about 3 miles downgradient (*i.e.*, downstream) from Killdeer. The depth to the top of the water level in the wells varies from 19 to 31 feet. Three of the wells are in the aquifer as it is mapped. The other two are on or near the pump station, which is just east of the aquifer. The wells were completed at 180, 80, 155, 80, and 65 feet.

Approximately one-half mile of the Project pipeline will pass over the aquifer. The Project pipeline’s main shut-off valve, which will be controlled and monitored 24/7, is within a quarter-mile of the aquifer. There is a cathodic protection test station at valve site, as well as on the Section line approximately one mile south.

Due to the depth distance between the Project pipeline (approximately 4–5 feet below the surface), the location of valves and cathodic protection in the vicinity of the aquifer, and the distance between the pipeline and the City of Killdeer, KLJ anticipates no adverse effects to the Killdeer aquifer or the City of Killdeer from pipeline construction or operation.

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