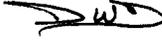


0019

December 20, 1985

TO: Files

FROM: David W. Darby, Geologist 

RE: Annual Subsidence Monitoring Report, Valley Camp of Utah, Belina Complex, ACT/007/001, Carbon County, Utah

Summary and Conclusions:

The annual subsidence monitoring report for the Belina Mine Complex was reviewed and found deficient in content to indicate impacts that have occurred during the previous year of mining or could be expected during the future mining to the groundwater system (a renewable resource) from mining activities.

Conclusion:

More informaton was requested by DOGM to make this determination and to provide a record for public and staff use.

Body:

The Valley Camp of Utah Belina Mine Complex Mine plan was reviewed and permitted by OSM and the State of Utah in May, 1985. OSM was the lead reviewer and the DOGM essentially approved the permit based on OSM's approval.

In subsequent water monitoring and subsidence monitoring, reviews concerns have developed about water rights issues.

The mine plan area is bisected by two drainages, the Huntington Canyon and the Price River drainages. In some locations spring flow to Huntington Canyon could be intercepted as subsidence fractures develop after mining. If this situation occurs natural groundwater flow to Huntington Creek would be intercepted and diverted via the Belina Mine workings to the Price River drainage affecting water rights allocated in Huntington Canyon.

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To ensure protection of the groundwater system and water rights, DOGM has asked Valley Camp of Utah to submit the following information to accompany their annual subsidence monitoring report.

1. Indicate the difference between pillared areas and full seam extraction as indicated on the legend of Plate 3.
2. Show the current mining area(s), the area(s) mined since the last subsidence report and the area(s) and seam(s) that are planned to be mined between now and the next subsidence report and, state the type of mining (room and pillar or longwalls) that will be employed.
3. Report areas where mining has intercepted fracture zones, faults, and groundwater.
4. Submit subsidence data (surface measurements and changes in land surface elevations).
5. Discuss water production in the mine since the last subsidence report and summarize any changes in quantity and quality.

Support

An examination of plates 1, 3 and 4 show fault patterns spring and mining activity on and adjacent to the mine plan area. When superimposed, they present an image which shows that some springs sustained by perched and faulted aquifers could be effected.

jvb
cc: D. Cline
S. Linner
0005R-23