

DR#

0006



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

DIVISION OF OIL GAS & MINING
FIELD VISIT FORM
TECHNICAL

Date : November 12, 1996

Time: 1:00 a.m.- 3:30 p.m. HZ

Mine: Horizon (HZ)

File Number: ACT/007/020, Folder #2

DOGM Staff: Sharon Falvey, Susan White

Other Attendees: Vicky Bailey, Horizon Consultants, Robinson Construction

Purpose:

To determine if the grading and drainage plans were adequately implemented in the field.

Observations:

The Jewkes Creek bypass culvert was not conveying all the water from the stream through the culvert. Some water was flowing under and along the culvert through the fill. No off-site degradation was observed at the time and water that was resurfacing was treated by the silt fence. Vicky Baily has ordered materials to provide a headwall for the culvert inlet. However, in my opinion, a compactable sub-base material should be brought in and be properly compacted around the full length of the culvert.

The upstream end of the pad area that crosses Jewkes Creek drainage is not adequately compacted or protected from damage from floods.

The splash basin at the bypass culvert outlet appears to remain slightly elevated (not the low point of the surrounding area). The riprap was placed 6 inches deep in the outflow channel but the proposed design configuration did not appear to be met. The sedimentation pond embankment did not appear to be designed as proposed. It appeared the freeboard at the spillway was not met. It was mentioned that these areas be looked at carefully to meet the designs presented in the plan prior to completion.

The re-grading of the site adjacent to the outlet culvert and spillway was not completed. Vicky Baily was informed that additional grading of the disturbed area needed to be



Page 2
December 2, 1996
Horizon Site Visit

conducted in order to prevent runoff from flowing down the previous county road and flowing over the new county road which would be of a negative environmental nature. I expressed concern that if a large runoff event occurred the use of the silt fence without incorporating an appropriate channel structure is likely to cause failure of the silt fences. Configuration changes should be made.

Recommendations/Conclusions:

It is recommended that another site visit be completed to assure that the culvert is adequate to meet the requirements of R645-301-742.300.

Signature: Sharon Falvey on December
2, 1996
Sharon Falvey, Senior Reclamation Hydrologist

O:\007020.HZN\FINAL\HZ111296.VST