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TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

January 9, 2013

TO: Internal File

THRU: Priscilla Burton, Lead *PB m SDS*

FROM: James Owen, Engineer *JO*

RE: North Lease Permit Modification, Canyon Fuel Company, Skyline Mine, C/007/0005, Task #4208

SUMMARY:

On November 16, 2012, the Utah Division of Oil Gas & Mining received an application for an amendment to the Mining & Reclamation Plan (MRP) of the Skyline mine. The application is in response to a prior submittal (task #4092) which was returned to the operator needing deficiencies addressed. The application seeks approval to extend the Skyline Mine North Lease area approximately 770.52 acres. The amendment is considered a significant revision.

This memo addresses the application's compliance with the engineering (R645-301-500) section of the Utah Coal Mining Rules.

TECHNICAL MEMO

TECHNICAL ANALYSIS:

OPERATION PLAN

SUBSIDENCE CONTROL PLAN

Regulatory Reference: 30 CFR 784.20, 817.121, 817.122; R645-301-521, -301-525, -301-724.

Analysis:

Plate 4.17.5-1, Subsidence Monitoring Points was updated to include subsidence monitoring station including additional points north of Granger Ridge to accommodate the lease modification of mining further north and modified locations of re-established points.

Findings:

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

ROAD SYSTEMS AND OTHER TRANSPORTATION FACILITIES

Regulatory Reference: 30 CFR Sec. 784.24, 817.150, 817.151; R645-301-521, -301-527, -301-534, -301-732.

Analysis:

Plate 4.17.3-1A, The North Lease Pre-Subsidence Survey Map was updated to include a jeep trails designation in the legend. The map identifies areas where surface cracking and damage may occur. Also included are potential subsidence contours. The pre-subsidence survey detail overlays the mining projections map.

The application states that there is a short jeep trail on the western portion of panel 14-Left where there is an estimated subsidence in the range of approximately 2 feet. The subsidence should not impact the trail, but it will be monitored for any necessary repairs.

Findings:

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Analysis:

The application states that at final approval two (2) copies of plates needing certification will be provided.

Findings:

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

RECOMMENDATIONS:

Conditional approval is recommended upon receipt of certified clean copies.