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# TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

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January 11, 2013

TO: Internal File

THRU: Ingrid Campbell, Lead *IMC*

FROM: James Owen, Engineer *JO*

RE: Lease Modification, West Ridge Resources, West Ridge Mine, C/007/0041, Task #4236

## SUMMARY:

On December 3, 2012, the Utah Division of Oil Gas & Mining (DOG M) received an application for an amendment to the Mining & Reclamation Plan (MRP) of the West Ridge Mine. The application seeks approval to add a newly approved lease modification area.

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

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**TECHNICAL MEMO**

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**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:**

Map 5-7, Subsidence Map was updated to include the newly modified lease areas. The change will not require any additional changes to the currently approved subsidence control plan. Map 5-7 considers the new lease areas as possible subsidence areas. Areas within the new lease will be additional room and pillar or developmental areas. An angle of draw of 20 degrees was used to project the maximum extent of subsidence.

**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:**

Updated versions of Maps 5-2 (Surface Ownership), 5-3 (Sub-surface Ownership), 5-4A (Mining Projections) and 5-7 (Subsidence) were included with the submittal. All maps were properly certified.

**Findings:**

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

**RECOMMENDATIONS:**

Approval is recommended.