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June 22, 1979

Mr. John H. Sulima
Manager-Western Exploration
Meadowlark Farms, Inc.
600 South Cherry Street, Suite 333
Denver, Colorado 80222

Re: Proposed coal Exploration
drilling program on the
Sunnyside South Lease,
Emery County, Utah
EXP/015/033

Dear Mr. Sulima:

The Utah Division of Oil, Gas, and Mining is in receipt of Meadowlark Farm's proposal for drilling the Sunnyside South Lease in Emery County, Utah. This proposal includes the following Federal and State leases: SL-066490, SL-069291, Ut-014217, Ut-014218, Ut-0126947, Ut-0216948, and State 16429 and 2880.

The notice of intent satisfies the notice requirements of Rule M-3(5) of the Utah Mined Land Reclamation Act of 1975, Title 40-8, Utah Code Annotated; and it also satisfies the requirements of the recently enacted House Bill 138-Regulation of Coal Mining and Reclamation Operations, Title 40-10-1.

The Division approves the proposed drilling plan with the following comments:

1. It would be to the company's advantage to acquire information during the proposed drilling program as required in Section MC 783 and Section 30 CFR 783 of the State and Federal permanent regulatory programs. Information required in Sections MC 783.13, 783.14 and 783.15 should be gathered while drilling.
2. As the drilling program is not in support of a presently active mining operation the Division will not, at this time, require any of the bore holes to be developed as ground water monitoring wells. However, groundwater information should be obtained as previously stated.

3. The proposed seed mixture for reclamation of exploration sites was recommended by the Division. This seed mixture contains introduced species and therefore is not acceptable to the Federal land management agency. Although the use of introduced species is allowed under the Federal and State Acts and Regulations controlling surface coal mining, current Federal policy dictates the use of only native species. Please notify the Division when an acceptable seed mixture is agreed upon by the Federal land management agency and your company.

4. Approval by this Division does not constitute approval by the Utah Division of State Lands for the operations conducted on State Leases.

All information in the letter relating to the location, size, or nature of the deposit will be held as confidential material by the Division until written permission to release the information is received.

The Division requires no additional information at this time. However, a record of plugging procedures for each hole and general overall reclamation procedures (i.e., grading, stabilization procedures, seed mixtures, rates, methods, and times of seeding) is requested upon termination of operations. In addition, all information relating to water-bearing formations encountered in drilling and logging must be submitted to the Division in writing, and must give the hole location, and if possible, the depth of the water-bearing strata, the formation name, the rate of flow, and if known, the water quality.

Plugging guidelines are available upon request for your reference.

Thank you for your cooperation. When in the area a member of the Division staff will examine the site(s).

Sincerely,



K. MICHAEL THOMPSON
ENGINEERING GEOLOGIST

cc: Mr. C.W. Porterfield,
Meadowlark Farms
Mr. John Hardaway, Region V, O.S.M.
Mr. Jackson Moffitt, U.S.G.S.
Mr. John Blake, Utah Division of State Lands

$$\frac{\pi * 0.2 \text{ ft}^2}{4} * 1 \text{ ft} = 0.0314159265 \text{ ft}^3 / \text{ft of core}$$

$$0.031416 \text{ ft}^3 / \text{ft} * (1900 \text{ lb} / \text{yd}^3 * \frac{1}{27} \text{ yd}^3 / \text{ft}^3) * \frac{1}{2000} \text{ Ton} / \text{lb}$$

$$* \frac{1}{250} \text{ tons} * \frac{1}{x} = 226,168 \text{ ft of core}$$

to pull out 250 tons of coal

42.8 miles of Core!

$$\frac{\text{ft}^3}{\text{ft of core}} * \frac{\text{lb}}{\text{ft}^3} * \frac{\text{ton}}{\text{lb}} * \frac{1}{\text{ton}} = \frac{1}{\text{ft}}$$

$$226,168 \text{ ft} * 0.031416 \text{ ft}^2 = 7105 \text{ ft}^3$$

$$= 263 \text{ yd}^3$$

$$263 \text{ yd}^3 * 1900 \text{ lb} / \text{yd}^3 = 499999.999 \text{ lb}^x = 250 \text{ tons}$$