To Tom P.

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JIM
DIVISION OF OIL, GAS & MINING
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MONTHLY ACTIVITY REPORT
AUGUST 1983
U. S. DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT
BRANCH OF OIL SHALE
GRAND JUNCTION, COLORADO

ACTIVITY REPORT FOR TRACTS U-a/U-b

The large runoff retention dam is essentially complete. Final work on the guardrail and fencing near the spillway will be completed early in September. Monitoring wells to detect leakage from the dam are also complete.

Grouting operaitons on the Bird's Nest Zone (BNZ) are underway in the 30-foot Ventilation Shaft. Grout uptake has been less than anticipated except for one small area in the upper part of the BNZ. Preliminary results from grouting operations indicate less inflow of groundwater from the BNZ than expected. Very small quantities of methane were encountered in the uppermost vugs of the BNZ.

The decline is to the BNZ with about 70 feet to go to the water zone. Grouting operations on the decline's BNZ are expected to begin late in September. The Paurat (continuous miner) is undergoing an overhaul and conversion to permissible standards for gassy mine operation. This gassy mine precautionary procedure was established long before the recent encounter with minor amounts of methane in the shaft. Blasting and mucking operations on the decline runaround are complete.

An environmental monitoring meeting was held at the Branch of Oil Shale Office in Grand Junction. WRSOC proposed some changes in their monitoring plan including some reductions in the scope of monitoring. Most of the reductions were acceptable because surface construction activities are complete until retort construction begins. WRSOC will submit a formal request for changes in their monitoring plan.

ANTICIPATED ACTIVITIES FOR SEPTEMBER 1983, TRACTS U-a and U-b

Continue decline and shaft development.
Continue environmental monitoring.

ACTIVITY REPORT FOR TRACT C-b

Onsite Activities:

- Prepared drill pads for corehole drilling project.
- Completed replacement of defective hoist cables in Production Shaft.
- Hoists in both Production and Service Shaft commissioned.
- Installed backup sump for Production Shaft bottom.
- Continued installation of permanent power at emergency generator building.
- Continued drilling and gas testing at the Upper Void Level with BOM.
- Continued review and preparation of DDP.

Shaft status: The Production, Service, and Ventilation/Escape Shafts all remain flooded and secured. Downshaft concentrations of methane and CO remain nil.

Environmental activities:

- State of Colorado Department of Health completed onsite audit of air quality equipment. All was satisfactory except for minor calibration problem with Hy-Vol sampler.
- Sampled topsoil and raw shale embankments for species diversity and production.
- Initiated small mammal sampling.
- Started preparation of Mined Land Reclamation amendment.
- Benthos/periphyton sampler at Hunter Creek was washed out by flood of August 29.
- New well completions successfully sampled.
- Meeting with USGS and OSO to discuss stream gaging station program.

ANTICIPATED ACTIVITIES FOR SEPTEMBER 1983, TRACT C-b

Continue preparation of DDP.
Grade and apply Coherrex to tract roads.
Continue preparation of Mined Land Reclamation amendment.
Start visibility monitoring season.

ACTIVITY REPORT FOR TRACT C-a

Pumping of mine and sour water from the retorts continues. The mine water inflow has stabilized at 1700 gpm and sour water pumped from the retort has increased to 25 gpm. Sprinkler systems have been installed in five ponds to increase evaporation of sour water.

Environmental monitoring scheduled for the month was completed.

Disposal of surplus equipment and supplies on tract continued.

Installation of a new grounding system for Met 2 was completed.

Operational testing of the Lurgi PDU Retort in Harmarville, PA, is nearing completion.

ANTICIPATED ACTIVITIES FOR SEPTEMBER 1983, TRACT C-a

Continue dewatering of mine and retorts.
Continue environmental monitoring.
Preparation of a retort management plan will be completed for submittal to Branch of Oil Shale.
Complete operational testing of Lurgi Retort.

OIL AND GAS REVIEWS--BRANCH OF OIL SHALE

Casing and cementing programs were reviewed for 8 proposed oil and gas wells in the Uintah Basin and 5 for the Piceance Basin during August. A total of 115 APDs have been reviewed thus far in 1983.

AUGUST 1983

MISCELLANEOUS/GENERAL

August	Czarnecki and Rush completed Tract C-11 evaluation report.
8-9	Miley attend Programmatic EIS meeting in Denver.
11	Miller met in Denver with Briant Kimball, USGS-WRD, to discuss sediment characterization study and C^{14} samples on lease tracts.
13	Rush started geologic analysis for Paraho Land Exchange.
22-26	Czarnecki and Rush attended MOSS training at WELUT, USF&WS, Fort Collins.
23	Oil Shale Staff met at Oil Shale Office with consultants of U-a/U-b and Jim Godlove, WRSOC, to review monitoring on Utah tracts.
24	Dietz, USF&WS-B/OS, met at the Oil Shale Office with Bill Kurey, USF&WS-Grand Junction, and Jim Coyle, University of Wyoming graduate student, to discuss sediment sampling.
26	Miller met in Grand Junction with the Branch of Solid Minerals to discuss IRI drilling.

BUREAU OF LAND MANAGEMENT
OIL SHALE SUPERVISOR
ONSHORE MINERALS PERSONNEL DIVISION

AUGUST MONTHLY ACTIVITY SUMMARY

TRACT	REQUESTS & SUBMISSIONS	APPROVALS GRANTED	INSPECTIONS	MEETINGS
U-a/ U-b	2 - Water quality monitoring of Bird's Nest Zone. - Disturbed acreage report to UDOGM. 3 - Ecology and culture of selected species. 5 - Proposed changes in TSP monitoring. 10 - Mine air sample record. 12 - Computer tape of aquatic biology data file. - Proposed changes in 1984 monitoring program. 19 - Proposed relocation of retention dam ROW for monitoring well.	31 - Ground water monitoring plan during grouting operations in decline and shaft.	5 - Miley, mining inspection - Miller, monitoring well inspection. 25 - Heuscher, Miller, Johnson general inspection.	25 - U-a/U-b Environmental monitoring program review at Branch of Oil Shale.
C-b	4 - Multiple Use Planning Doc. 16 - Annual Lease Payment Statement 22 - Transmittal of Proposed Core Hole Drilling Program - Deer Reflector Study Progress Report - Water Usage & Production Rpt 26 - NPDES Discharge Monitoring Report		15 - Miley, mining inspection 31 - Stevens, general tract inspection	31 - Tract Coordination Meeting - on-tract
C-a	5 - 2nd Qtr '83 AQ & Met Data Report 11 - Info re preparation of long-term retort abandonment mgt. 15 - Supp. Monitoring data and retort chemistry data 23 - Proposal to lease 6400 acres 25 - C-a Prelim Water Year Data 29 - Changes in Reveg Plots study	19 - Denial of RBOSC proposal to circulate water through Retort 1 24 - OSO xmit to MMS/Royalty RBOSC's request for suspension operations	31 - Stevens, general tract inspection	