

OGLE PETROLEUM INC.

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October 22, 1980

PLEASE DIRECT REPLY TO:

150 North Nichols Avenue
Casper, Wyoming 82601
(307) 266-6456

Mr. J. E. Rothfleisch
Uranium Recovery Licensing Branch
Division of Waste Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Commercial Source Material
License Application, Docket
No. 40-8745

SUBJECT: NRC/OPI Meeting on
October 7, 1980

Dear Mr. Rothfleisch:

On October 7, 1980, I met with Ms. Terry Vandell and yourself in your offices to discuss the details of the pump tests mentioned in Mr. Hubert J. Miller's letter dated September 8. It is my understanding that the following points were agreed to during the course of the meeting:

1. Pump Test No. 4 will consist of pumping lower monitor well M-19 for ten hours at a constant rate and monitoring the drawdown in well M-18 (upper aquifer), well RSW-3 (ore zone), and Well A-B (ore zone) all of which are located on the attached map (Attachment I). Yield and specific capacity will be reported for the pumped well (M-19) along with the drawdown (if any) for the above-mentioned observation wells. If it is not possible to pump M-19 at a constant rate for ten hours, then RSW-3 (or A-B) will be pumped and M-19, M-18, and A-B (or RSW-3) will be used as the observation wells. Analysis of the resulting data will be performed in accordance with Mr. Miller's September 8 letter.

2. Pump Test No. 5 will consist of pumping lower monitor well M-63 for ten hours at a constant rate and monitoring the drawdown in well M-17 (upper aquifer), well M-4 (ore zone), and well A-A (ore zone) all of which are located on Attachment I. Yield and specific capacity will be reported for the pumped well (M-63) along with the drawdown (if any) for the above-mentioned observation wells. If it is not possible to pump M-63 at a constant rate for ten hours, then M-4 (or A-A) will be pumped and M-63, M-17, and A-A (or M-4) will be used as the observation wells. Analysis of the resulting data will be performed in accordance with Mr. Miller's September 8 letter.

3. The advance plant startup notice normally required in the license conditions will take cognizance of the fact that it will take minimal time for OPI to begin production once the license is issued due to the nature of in-situ solution mining operations.

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4. Backup information concerning the "industrial water well" including water quality data requested during the meeting have been submitted to the NRC.

5. Data on the vertical hydraulic gradient between the production zone aquifer, the B-sand, and the sand horizon for Mining Unit No. 1 will be submitted to the NRC within 45 days of the commencement of drilling injection and recovery wells. A piezometric surface map of the B-sands and an updated piezometric surface map of the production zone aquifer will be submitted to the NRC and DEQ with the first annual report (refer to DEQ Permit to Mine application).

6. The NRC staff is considering the frequency of excursion monitor well sampling (presently biweekly) and elimination of the requirement for filtering water samples. In regards to the latter, OPI will undertake a study to determine the difference (if any) in the analytical results of filtered vs. unfiltered samples.

7. Pursuant to a followup telephone conversation between Ms. Vandell and myself on October 8, 1980, only two additional upper aquifer monitor wells will be required in Mining Unit No. 1 instead of the three mentioned in a previous letter from the NRC.

Please let me know if the above statements differ from your understanding of the discussions on October 7, 1980.

Sincerely,

OGLE PETROLEUM INC.



Glenn J. Catchpole
Project Manager

GJC:jm

Attachment

CC: Document Management Branch w/Attachment
Ms. Terry Vandell, NRC, w/Attachment

ATTACHMENT I

POOR ORIGINAL

LEGEND

Horizontal Excursion Monitor Wells:

M- 8	M-11	M-14
M- 9	M-12	M-15
M-10	M-13	M-16

Upper Aquifer Vertical Excursion Monitor Wells:

M- 3(U)	M-18(U)	M-62(U)
M-17(U)	M-61(U)	

Lower Sands Vertical Excursion Monitor Wells:

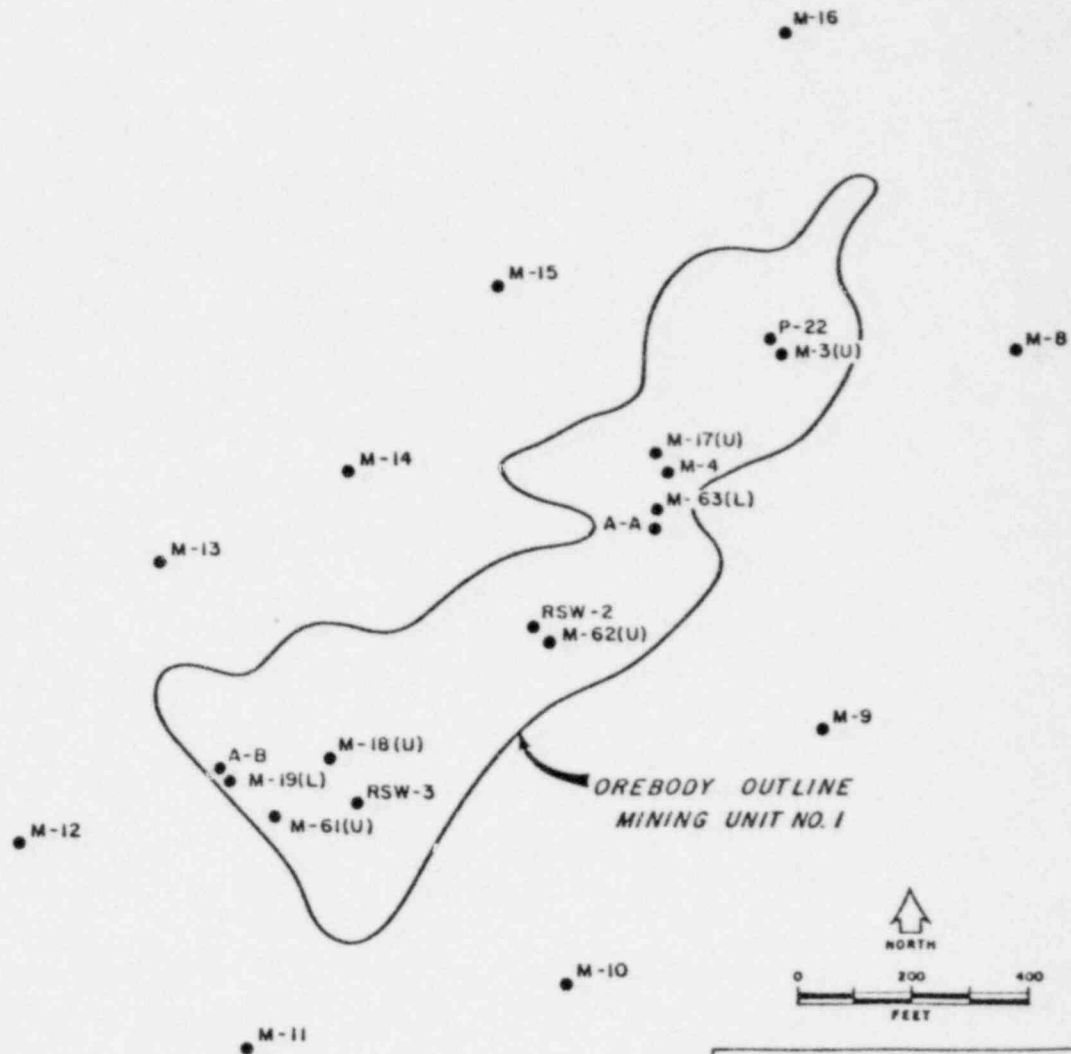
M-19(L)	M-63(L)
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Restoration Sampling Wells:

P-22	RSW-2
M- 4	RSW-3

Additional Wells Completed in Production Zone as Observation Wells for Pump Tests (No Water Quality Baseline Required):

A-A	A-B
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OGLE PETROLEUM INC.

BISON BASIN PROJECT
 BISON BASIN MINE
 MONITOR WELL LOCATIONS
 MINING UNIT NO.1

DATE: 10/10/80	FIGURE:
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