



PDR

40-8745

LO HERSCHLER  
GOVERNOR

# Department of Environmental Quality

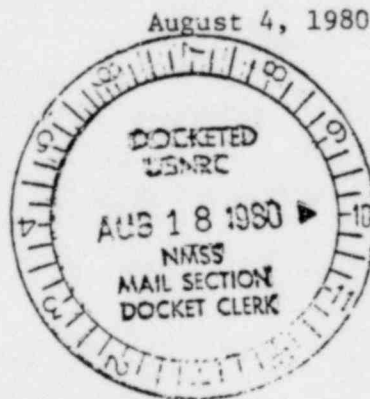
LAND QUALITY DIVISION

401 WEST 19TH STREET

TELEPHONE 307-777-7756

CHEYENNE, WYOMING 82002

Mr. Huck Miller  
Uranium Recovery Branch  
USNRC  
Mail Stop 483 S.S.  
Washington, DC 20555



RE: TFN 1 1/149

Dear Mr. Miller,

Enclosed please find Land Quality Division - Department of Environmental Quality comments concerning your DES on Ogle's In-Situ project, and also the proposed letter of approval which will accompany the approved form 1 application.

Land Quality Division is ready to approve Ogle's application and will hold off doing so until August 15, 1980 so that you may review the enclosed materials, which include a copy of the letter of approval and the form 1 permit.

Sincerely,

*Ed Francis*

Ed Francis  
District III

EF:sh  
Enclosure  
cc: Glenn Catchpole  
OPI Western  
150 North Nichols  
Casper, WY 82601  
Toni Mancini

17033

8008270016

FREE EXEMPT

*Department of Environmental Quality*

## LAND QUALITY DIVISION

401 WEST 19TH STREET

TELEPHONE 307-777-7756

CHEYENNE, WYOMING 82002

August 4, 1980

Mr. Glenn Catchpole  
Project Manager  
OPI Western  
150 North Nichols Avenue  
Casper, WY 82601

RE: TFN 1 1/149

Dear Mr. Catchpole,

Enclosed you will find your approved application for Permit to Mine, formerly TFN 1 1/149, now assigned permit no. \_\_\_\_\_.

The geophysical logs are now complete, the justification process is complete, and well integrity is satisfactorily addressed.

You must remember that certain issues have been resolved by imposing requirements on the first annual report. Due to the fact that the application itself agrees to furnish these certain items with the annual report, only one condition or stipulation has been required, and it is more of an admonishment or reminder than it is a condition. This reminder is that Ogle should expect that at some time, probably before annual report due date, LQD will require implementation of a yet-to-be defined procedure for testing well integrity. This procedure when defined, must be addressed in the approved permit application by an insertion to that document. When the procedure is defined as Land Quality Division policy for integrity testing, all wells from that point forward must be subjected to the test as well as any pre-existing wells deemed suspect by Land Quality Division that are still involved in the mining and reclamation process.

The annual report items are:

1. Well completion details for pond seepage monitoring wells.  
(Putman memo, July 1, 1980).

Mr. Glenn Catchpole  
August 4, 1980  
Page Two

2. Drill Hole information required by Wyoming Land Quality Rules and Regulations Chapter XXI, Section 2.b.(11).
3. Piezometric mapping of "B" zone, and the water table aquifer being monitored relative to the evaporation pond.
4. A map to be furnished showing all datum points for water elevations used in compiling the piezometric maps for all aquifers.

Sincerely,

Ed Francis  
District III

EF:sh  
Enclosure  
cc: Hubert Miller (open by addressee only)  
Uranium Recovery Branch  
USNRC  
Mail Stop 483 SS  
Washington, DC 20555

*Department of Environmental Quality*

## LAND QUALITY DIVISION

401 WEST 19TH STREET

TELEPHONE 307-777-7756

CHEYENNE, WYOMING 82002

MEMORANDUM

TO: Robert E. Sundin, Director

FROM: W.C. Ackerman, Administrator

DATE: July 30, 1980

SUBJECT: NRC Draft Environmental Statement on Ogle Petroleum's Proposed Commercial In Situ Uranium Mine

The NRC document is basically in agreement with the Application to Mine submitted to DEQ by Ogle Petroleum. It differs in details of ground water monitoring before, during, and after mining in that the NRC requirements are not as strict as DEQ's. The Ogle application is expected to receive approval in the next few weeks, pending settlement of a few final details. Specific differences between the NRC document and the DEQ application are below. These differences do not constitute a violation of State In Situ Regulations, except for (A) below, which can be easily resolved.

- A. The NRC will allow Ogle to submit a ground water restoration. DEQ has had an acceptable plan for this submitted to it. The NRC Environmental Statement should be modified to include this plan (see Section 4.4.2.5.).
- B. The NRC's excursion reporting requirements differ from DEQ's in that 1) the NRC does not use sulfate ( $SO_4^{=}$ ) as an excursion parameter, and 2) the NRC requires successive sampling over a 7 day period to confirm in excursion, while DEQ requires two successive samples, both of which have two parameters in excess of their upper control limits (see Section 4.4.2.5.).
- C. The NRC document has not specified details of well field monitoring during operations. Ogle has submitted an acceptable program to DEQ and the Draft Environmental Statement should be revised to reflect this.

Memorandum  
July 30, 1980  
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- D. The NRC requires at least 2 baseline, 2 post-mining, 2 ore zone monitor wells, and 1 upper zone monitor well for defining the ground water quality before, during, and after each mining unit. DEQ has required 4 wells in the ore zone for baselining, 3 wells in the zone above the ore zone, 1 well (at least) below, and 9 monitor wells. Four restoration wells are also required. Each well will be sampled at least 3 times for baseline purposes.

The NRC also requires that Ogle samples every 45 days to assess restoration stability after restoration efforts cease. DEQ requires monthly samples for restoration verification (Section 4.4.2.5.).

- E. The NRC has required no monitoring of the basal sands below the ore zone. DEQ has required that these sands be monitored for the first Mining Unit and for others as well since this monitoring will be a requirement for future pump tests in these Mining Units.

FP:lv

c.c. F. J. O. ...  
1000 S. ...



FINAL SWORN STATEMENT

State of California )  
County of Santa Barbara ) ss

I BURDETTE A. OGLE being duly sworn on my oath that I am the applicant  
Name (typed or printed)  
(or chief executive officer of the applicant if a corporation) for the foregoing permit (amendment); that I  
have read the said application and fully know the contents thereof; that all statements contained in the per-  
mit application are true and correct to my best knowledge and belief; by execution of this statement I certify  
that Ogle Petroleum Inc. has the right and power by legal estate owner to mine from the  
(Applicant)  
land for which this permit (amendment) is desired; that Ogle Petroleum Inc. has not  
(Applicant)  
forfeited, or is not involved in forfeiture proceedings for, a bond posted for reclamation purposes; and by com-  
pletion and submission of this application, hereby give consent to allow the Director, the Administrator and/or  
his authorized representatives, at reasonable times and without advance notice and upon presentation of  
appropriate credentials, to enter upon and have access to any and all lands covered by this permit and  
amendments thereto and to inspect and copy any records or documents, obtain or monitor any samples or  
sampling for, any activities associated with the operation and permit.

Dated 5th of November 19 79

Burdette A. Ogle  
Individual or chief executive officer  
of a corporation

(seal)

Henry J. Olson  
Notary Public or Secretary if a corporation  
*Assistant Secretary*



- (iii) Lands which are located within other permit areas shall be identified and a copy of the land use agreement with the other permittee shall be attached as part of this application.
- (iv) An original United States Geological Survey topographic map, clearly outlining and identifying the lands to be within the proposed permit area, shall be provided. Photo copies or other similar copies are not acceptable unless prior approval is obtained from the Land Quality Division.

(d) APPENDIX "D"

A description of the land which shall include: Historic and present land use; vegetative cover; annual rainfall; general directions and average velocities of the winds; indigenous wildlife; present surface water and the immediate drainage areas; valid water rights; nature and depth of the overburden topsoil, subsoil; mineral seams, or other deposits; subsurface water(s) known to exist above the deepest projected depth of the mining operation.

(e) APPENDIX "E"

A map or maps with the boundary of the proposed permit (amendment) area clearly outlined and identified showing:

- (i) The lands to be affected by the mining;
  - (ii) The drainage area within and surrounding the proposed permit (amendment) area;
  - (iii) The location and names, where known, of all roads, railroads, public or private rights-of-way and easements, utility lines, lakes, streams, creeks, springs, and other surface water courses, oil wells, gas wells, and water wells;
  - (iv) An outline of the probable limits of all areas previously disturbed or to be disturbed by underground or subsurface mining, whether active or inactive, on or immediately adjacent to the proposed permit (amendment) area;
  - (v) The names, last known addresses and boundary lines of the present surface landowners and occupants on the adjacent land to be affected;
  - (vi) The location, ownership, and uses of all buildings on, or on lands adjacent to, the land to be affected;
  - (vii) Information presented as part of APPENDIX "D" when necessary for clarification.
4. Mineral(s) to be mined: Uranium  
(a) Mining method to be used: In-situ solution mining
5. Estimated dates of commencement and termination of the proposed operation:  
Start: March 1980 Terminate: March 1985
6. The total number of acres in the proposed permit (amendment) area and an estimate of the total number of acres to be affected by the operation:

Total Permit Acres		Estimate of Affected Acres	
Original Permit	_____	Original Permit	_____
Approved Amendments	_____	Approved Amendments	_____
This Application	<u>751</u>	This Application	<u>56.3</u>
Total Acres	<u>751</u>	Total Acres	<u>56.3</u>

7. The nearest town, village, or city. Jeffrey City, Wyoming
8. A filing of \$100.00 (\$200.00 for amendments) plus \$10.00 for each acre in the requested permit (amendment) area. For any single permit (amendment) the maximum fee shall not exceed \$2,000.00.
9. For coal mining applications a certification that the applicant has a public liability insurance policy in force for the proposed mining and reclamation, as required by W.S. 35-11-406(a) (xiii).
10. Plan or plans of the applicant, including maps, for the proposed mining operation and the reclamation of all affected lands. As required by W.S. 35-11-406(b).

SEE SUPPORTIVE INFORMATION DOCUMENT.



# STATE OF WYOMING

## DEPARTMENT OF ENVIRONMENTAL QUALITY LAND QUALITY DIVISION

### APPLICATION FOR PERMIT TO MINE OR AMENDMENT TO A PERMIT TO MINE

1. (a) Name and Mailing Address of Applicant OGLE PETROLEUM INC.  
150 North Nichols Avenue  
Casper, Wyoming 82601

(b) If the applicant is a partnership, association or corporation the names and addresses of all managers, partners and executives directly responsible for operations in this state:

Name: William R. Merrill Address: P.O. Box 5549, Santa Barbara, CA 93108  
 Title: Vice Pres., Ogle Petroleum Inc. Phone No.: 805-969-5941

Name: George J. Hartman Address: 150 N. Nichols Ave., Casper, WY 82601  
 Title: Manager of Mining Phone No.: 307-266-6456

Name: Glenn J. Catchpole Address: 150 N. Nichols Ave., Casper, WY 82601  
 Title: Project Manager Phone No.: 307-266-6456

Name: \_\_\_\_\_ Address: \_\_\_\_\_  
 Title: \_\_\_\_\_ Phone No.: \_\_\_\_\_

2. Name and mailing address of the agent or person to whom any notice under the provisions of Wyoming Environmental Quality Act or Rules and Regulations adopted thereunder may be sent: Glenn J. Catchpole, Ogle Petroleum Inc.  
150 North Nichols Avenue, Casper, Wyoming 82601

3. Attach the following information as part of the specific appendices:

(a) APPENDIX "A"

Names and addresses of surface and mineral owners of record within the proposed permit (amendment) area.

(b) APPENDIX "B"

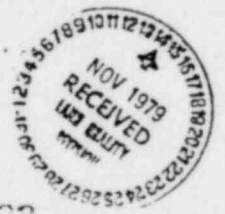
- (i) Names and last known addresses of the owners of record of the surface rights of the lands immediately adjacent to the proposed permit (amendment) area.
- (ii) Names and last known addresses of any other persons within one-half (1/2) mile having a valid legal estate of record.
- (iii) For surface coal mining operations, the names and last known addresses of coal ownership immediately adjacent to the proposed permit (amendment) area.

NOTE: Appendices "A" and "B" shall each be accompanied by maps showing the ownership locations required by the respective appendices. Mapping of (b)(ii) is not required.

(c) APPENDIX "C"

- (i) All lands to be included in the proposed permit (amendment) area shall be tabulated by legal subdivision, section, township, range, county, and municipal corporation, if any, and the number of acres for each subdivision listed.
- (ii) Lands which are to be part of the proposed permit (amendment) area, for which no right to mine is claimed shall be identified in item (c)(i) above as such and tabulated separately listing the number of acres for each legal subdivision.

Permit No. \_\_\_\_\_  
 TFN No. 1/49



47035