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**APPROVALS**

**YEAR(S):**

1997



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO  
SANTA FE, NEW MEXICO 87505  
(505) 827-7131

March 24, 1997

**CERTIFIED MAIL**  
**RETURN RECEIPT NO. P-269-269-287**

Mr. B.D. Shaw  
Amoco Production Company  
200 Amoco Court  
Farmington, New Mexico 87401

**RE: GROUND WATER REMEDIATION PLAN  
ABRAMS J#1 WELL SITE**

Dear Mr. Shaw:

The New Mexico Oil Conservation Division (OCD) has completed a review of Amoco Production Company's (Amoco) March 13, 1997 "ABRAMS J1 WELL SITE, LEGAL DESCRIPTION: UNIT I, SEC. 29, T29N, R10W, SAN JUAN COUNTY, NEW MEXICO" which was submitted on behalf of Amoco by their consultant Blagg Engineering, Inc. This document contains Amoco's work plan for remediation of contaminated ground related to the former use of a former unlined oilfield production pit at Amoco's Abrams J#1 well site.

The above referenced work plan is approved with the following conditions:

1. Amoco will determine the downgradient extent of ground water contamination according to Amoco's prior approved ground water investigation work plan.
2. The air sparge wells will be completed by placing a 2-3 foot bentonite seal approximately 2-3 feet above the well screen interval with the remainder of the annulus above the bentonite seal grouted to the surface with cement containing 5% bentonite.
3. Amoco will include the results of the remedial actions in Amoco's annual ground water investigation/remedial action report. The report will include:
  - a. A description of all activities which occurred during the investigations and remedial actions including conclusions and recommendations.

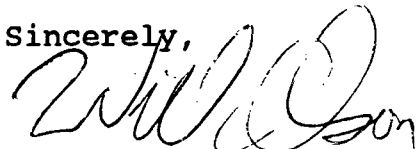
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- b. A summary of all laboratory analytic results of ground water quality sampling and copies of the recent laboratory analyses and associated quality assurance/quality control data.
  - c. A site map and water table elevation map using the water table elevation of ground water in all monitor wells.
  - d. A geologic log and completion diagram for each monitor well and air sparge well.
  - e. The disposition of any wastes generated.
4. All wastes generated will be disposed of at an OCD approved facility or in an OCD approved manner.

Please be advised that OCD approval does not relieve Amoco of liability if contamination exists which is beyond the scope of the work plan; if the activities fail to adequately determine the extent of contamination; or if the activities fail to adequately remediate contamination related to Amoco's activities. In addition, OCD approval does not relieve Amoco of responsibility for compliance with any other federal, state or local laws and/or regulations.

If you have any questions, please call me at (505) 827-7154.

Sincerely,



William C. Olson  
Hydrogeologist  
Environmental Bureau

cc: Denny Foust, OCD Aztec D  
Nelson Velez, Blagg Engi

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PS Form 3800, April 1995