



STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

TONEY ANAYA  
GOVERNOR

December 15, 1986

POST OFFICE BOX 2068  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501-2068  
(505) 827-5800

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Alan W. Ralston  
Apollo Oil Company  
P. C. Box 1737  
Hobbs, New Mexico 88240

RE: Discharge Plan GW-36  
Apollo Oil Company  
State "E" Tract 18  
Wells #21 and #22

Dear Mr. Ralston:

The ground water discharge plan (GW-36) for the Apollo Oil Company State "E" Tract 18 wells #21 and #22 Class I effluent (non-hazardous) injection wells, and associated surface facilities located in the NE/4 of Section 2, Township 17 South, Range 36 East (NMPM), Lea County, New Mexico, is hereby approved with the following provisions:

1. To prevent corrosion and provide maximum protection for the casing, injection shall be through plastic lined tubing with a packer set no more than 100 feet from the bottom of the long-string casing.
2. The casing-tubing annulus shall be filled with an inert fluid, and a minimum pressure of 100 psi maintained pursuant to WQCC 5-206.B.2.
3. Continuous monitoring devices shall be installed to provide a record of injection pressure (vacuum), flow rate, flow volume and annular pressure, pursuant to N.M. WQCC 5-207.B.2. Such devices shall be installed prior to injection of any industrial effluent.
4. Monthly reports of the disposal of produced water shall be submitted in accordance with Rules 704 and 1120 of the Division Class II Rules and Regulations.
5. For wastes other than produced water, the operator shall keep and make available for inspection, records for each calendar month on the source, location, volume and type of waste, date of disposal and pipeline or hauling company that disposes of fluids or materials in the facility. Such records shall be

maintained for a period of two years from the date of disposal. This requirement is pursuant to WQCC 3-107.A. and is needed to track the types and volumes of waste received by the facility.

6. The operator shall provide a representative analysis of the injected fluids quarterly pursuant to WQCC 5-208.A.2(a). Constituents to be analyzed for will be determined by the type of effluent received and will be determined through coordination with the OCD and the operator when specific types and sources of effluent are identified.
7. Mechanical integrity for each effluent disposal well shall be demonstrated yearly during the life of the well pursuant to WQCC 5-207.A. and Apollo letter of November 25, 1986. The type of test shall be approved by the Division and witnessed by an OCD representative.
8. The injection well or system shall be equipped with a pressure limiting switch or acceptable substitute which will limit the wellhead pressure on the injection well to no more than the requested 1650 psi injection pressure.
9. The operator shall immediately notify the supervisor of the Division's Hobbs district office of the failure of the tubing, casing, or packer in the wells or the leakage of water from around said wells, or associated surface facility, and take such steps as may be timely and necessary to correct such failure or leakage pursuant to WQCC 5-208.A.1.
10. Pursuant to WQCC 5-208.2, the following quarterly reports will be submitted to the Director:
  - a) The analyses as required in (6) above.
  - b) Monthly average, maximum and minimum values for injection pressure, flow rate and volume, and annular pressure.
  - c) Any well workover.

The discharge plan was submitted pursuant to Section 3-106 of the New Mexico Water Quality Control Commission Regulations. It consists of the application dated September 17, 1986, and a supplement dated November 25, 1986. It is approved pursuant to Section 3-109.C. which provides for the possible future amendments of the plan. Please be advised that the approval of this plan does not relieve you of liability should your operation result in actual pollution of surface or ground waters which may be actionable under other laws and/or regulations.

Please note that Section 3-104 of the regulations requires that "when a plan has been approved, discharges must be consistent with the terms and conditions of the plan." Pursuant to Section 3-107.C., you are required to

| WELL CLASS: INIT |       | IWDFIN    |       | IW        |       | LSE CODE  |       |
|------------------|-------|-----------|-------|-----------|-------|-----------|-------|
| FORMATION        | DATUM | FORMATION | DATUM | FORMATION | DATUM | FORMATION | DATUM |
|                  |       |           |       |           |       |           |       |
|                  |       |           |       |           |       |           |       |
|                  |       |           |       |           |       |           |       |
| TD 9000 (ABO)    |       |           |       | PBU       |       |           |       |

(Abo) Perfs & OH 8292-900 WATER INJECTION WELL

CONFIDENTIAL

CONCLUSION

3852 DE

sub-g

1-4-72 NY

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LEA  
AMOCO PRODUCTION CO.

Lovington  
WI-22 State "E" Tr. 18  
Sec 2, T17S, R36E

NM  
Page #2

1-18-82

Continued  
DO Ret @ 8326 (2-5-81)  
Deepened 8477 to 9000  
Acid (8292-9000) 5000 gals

1-23-82

COMPLETION ISSUED

1-4-78 NM

IC 30-025-70020-82

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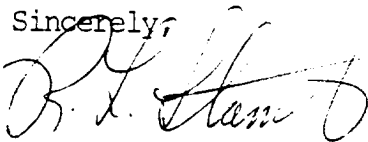
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notify the Director of any facility expansion or process modification that would result in any change in the discharge of water quality or volume. You are further required to notify the Director prior to the receipt of any industrial effluent.

On behalf of the staff of the Oil Conservation Division, I wish to thank you and your staff for your cooperation during this discharge plan review.

Sincerely,



R. L. STAMETS  
Director

RLS:RCA:dp

cc: OCD, Hobbs ✓  
Joe Ramey, Hobbs  
James E. Snipes, Lovington