

N. M. OIL CONS. COMMISSION  
 UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT  
 P. O. BOX 1980  
 HOBBS, NEW MEXICO 88240

FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
 Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Texaco Exploration and Production Inc.

3. Address and Telephone No.  
 P.O. Box 730, Hobbs, NM 88240

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 Sec 19 T25S R38E  
 Unit D      S25 1/4 R-38E

5. Lease Designation and Serial No.  
 NM0349956

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
 C.P.Penny Fed NCT-4 Lse

9. API Well No.  
 Wells # 4 & 7

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
 Lea

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION  | TYPE OF ACTION  |
|---|---|
| <input type="checkbox"/> Notice of Intent<br><input checked="" type="checkbox"/> Subsequent Report<br><input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Abandonment<br><input type="checkbox"/> Recompletion<br><input type="checkbox"/> Plugging Back<br><input type="checkbox"/> Casing Repair<br><input type="checkbox"/> Altering Casing<br><input checked="" type="checkbox"/> Other RE: 3162.4(067A) NTL-2B  |
|   | <input type="checkbox"/> Change of Plans<br><input type="checkbox"/> New Construction<br><input type="checkbox"/> Non-Routine Fracturing<br><input type="checkbox"/> Water Shut-Off<br><input type="checkbox"/> Conversion to Injection<br><input type="checkbox"/> Dispose Water<br><small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small> |

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- Refer to attached reply -

14. I hereby certify that the foregoing is true and correct

Signed Joe Johnson Title Engr Asst Date 03-29-93

(This space for Federal or State office use)  
 Approved by (Name, Title, Date) Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:  
see attached

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

HMC - E -

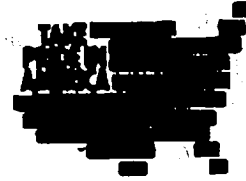


# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Lea County Inspection Section  
P.O. Box 1157  
Hobbs, NM 88240-1157

## URGENT

|            |       |
|------------|-------|
| HOBBS AREA |       |
| TLF        | _____ |
| JLA        | _____ |
| JWB        | _____ |
| MLG        | _____ |
| PDH        | _____ |
| JOL        | _____ |
| MGR        | _____ |
| JY         | _____ |
| PLH        | _____ |
| CPM        | _____ |
| SOU        | 1993  |
| HMC        | _____ |
| OLH        | _____ |
| PWM        | _____ |
| LML        | _____ |
| WELL FILE  | _____ |
| CORP FILE  | _____ |



IN REPLY REFER TO:

3162.4 (067A)

CERTIFIED MAIL-RETURN RECEIPT REQUESTED  
P 369 421 319

Texaco Inc.  
P.O. Box 730  
Hobbs, NM 88240

RE: NM0349956  
C.E. Federal NCT-4 #3,2,4,7  
Sec.19, T.258., R.38E.

Gentlemen:

A review of our well records indicate that your NTL-2B approval, is scheduled for update and review. The following checklist indicates the information needed before your method of water disposal can be approved or reviewed:

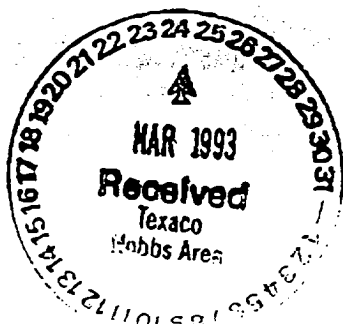
- (a)  Name(s) of formation(s) producing water on the lease.
- (b)  Amount of water produced from each formation in barrels per day.
- (c)  A current water analysis of produced water from each zone showing at least the total dissolved solids, ph, and the concentrations of chlorides and sulfates.
- (d)  How water is stored on the lease.
- (e)  How water is moved to disposal facility.
- (f)  Operator's name, well name and location, by 1/4 1/4, section, township, and range, of the disposal facility.
- (g)  NMOCD SWD well or Injection well authorized permit number, well name, well number and location by 1/4 1/4, section, township and range.

Submit required information on a 3160-5 (Sundry Notice) in triplicate to this office within 20 days from receipt of this notice.

Please contact Andrea Massengill at (505)393-3612 for further information.

*VR Balderaz*

Vicente R. Balderaz  
Inspection & Enforcement Supervisor



DATE: March 25, 1993

TO: Mr. Vicente R. Balderaz  
Bureau of Land Management  
P. O. Box 1157  
Hobbs, New Mexico 88240-1157

FROM: Fred Reynolds  
Texaco E & P Inc.  
P. O. Box 1060  
Eunice, New Mexico 88231

SUBJECT: C. E. Penny Federal (NCT-4) #2, #3, #4 and #7  
RE: NM0349956 3162.4(067A)  
NTL-2B Approval  
Sec 19, T25S, R38E, Lea Co., N. M.

In reply to your request for information concerning the NTL-2B water disposal, the following is submitted:

A. Names of formations producing water on the lease:

Well #2wdw: This water disposal well is currently plugged with paraffin. We are currently discussing plugging the well.

Well #3: This well is completed in the South Justis Langlie Mattix zone. This well has been shut in since January 1, 1993. The battery was taken by ARCO as part of their South Justis Unit. We are currently discussing plugging this well.

Well #4: This well has been turned over to ARCO and has become South Justis Unit "I" #20. This well produces from the South Justis Drinkard zone.

Well #7: This well has been turned over to ARCO and has become South Justis Unit "I" #19. This well produces from the South Justis Blinebry zone.

B. The Amounts of water produced from each zone are as follows:  
Langlie Mattix zone: 0 Barrels per day.  
Blinebry zone: 11 Barrels per day. (December, 1992 tests)  
Drinkard zone: 33 Barrels per day. (December, 1992 tests)

C. A current produced water analysis from each zone is attached.

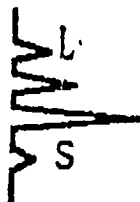
D. The produced water is currently stored in a 500 Barrel water storage tank located in SE1/4 of NW1/4, Sec 19, T25S, R38E, Lea Co. New Mexico.

E. The produced water is currently being hauled to a commercial disposal.

F. This information will have to be obtained from ARCO as they are taking care of the water disposal now.

G. If this paragraph refers to the commercial disposal that ARCO is hauling water to, that information will have to be obtained from ARCO as well. If the paragraph refers to Texaco's C. E. Penney Federal (NCT-4) water disposal well #2, the location is SE1/4 of NW1/4, Sec 19, T25S, R38E, Lea Co., N. M. The New Mexico Oil Conservation Division Injection Well Authorization Permit Number is 4048.

This information is submitted to assist in the review and update of the NTL-2B approval. If I can be of assistance please call me at 394-2585.



**Laboratory Services**  
 1331 Tasker Drive  
 Hobbs, New Mexico 88240  
 (505) 397-3713

WATER ANALYSIS

COMPANY Exxon Chemical Co.

SAMPLE Texaco C. E. Penny Well #4 SOUTH JUSTIS DRINKARD ZONE  
SAMPLED BY Ken LaFavers

DATE TAKEN 3/26/93

REMARKS

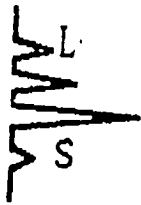
|                            |         |        |
|----------------------------|---------|--------|
| Barium as Ba               | 40.0    |        |
| Carbonate alkalinity PPM   | 0       |        |
| Bicarbonate alkilinity PPM | 560     |        |
| pH At Lab                  | 7.34    |        |
| Specific Gravity @ 60 F    | 1.098   |        |
| Magnesium as Mg            | 14.790  |        |
| Total Hardness as CaCO3    | 25.500  |        |
| Chlorides as CL            | 77.307  |        |
| Sulfate as SO4             | 1.175   |        |
| Iron as Fe                 | 3.70    |        |
| Potassium                  | 9.75    |        |
| Hydrogen Sulfide           | 64.35   |        |
| Resistivity OHMS           | 0.110   | 23.1 C |
| Total Disolved Solids      | 100.000 |        |
| Carbonate as CO3 G/L       | 6.21    |        |
| Calcium as CA              | 10.710  |        |
| Nitrate                    | 376.2   |        |

Results reported as Parts Per Million Unless Stated.

Langelier Saturation Index +1.89

Analysis By Rolland Perry

Date: 3/27/93



Laboratory Services  
1331 Tasker Drive  
Hobbs, New Mexico 88240  
(505) 397-3713

WATER ANALYSIS

COMPANY Exxon Chemical Co.

SAMPLE Texaco C. E. Penny Well #7 SOUTH JUSTIS BLINEARY ZONE  
SAMPLED BY Ken LaFavers

DATE TAKEN 3/26/93

REMARKS

|                                     |         |       |
|-------------------------------------|---------|-------|
| Barium as Ba                        | 55.0    |       |
| Carbonate alkalinity PPM            | 0       |       |
| Bicarbonate alkalinity PPM          | 152     |       |
| pH At Lab                           | 6.35    |       |
| Specific Gravity @ 60 F             | 1.078   |       |
| Magnesium as Mg                     | 10.266  |       |
| Total Hardness as CaCO <sub>3</sub> | 17.700  |       |
| Chlorides as CL                     | 69.188  |       |
| Sulfate as SO <sub>4</sub>          | 1,775.0 |       |
| Iron as Fe                          | 47.5    |       |
| Potassium                           | 10.63   |       |
| Hydrogen Sulfide                    | 0       |       |
| Resistivity OHMS                    | 0.099   | 23.0C |
| Total Dissolved Solids              | 95.250  |       |
| Carbonate as CO <sub>3</sub> G/L    | 1.10    |       |
| Calcium as CA                       | 7.434   |       |
| Nitrate                             | 462.0   |       |

Results reported as Parts Per Million Unless Stated.

Langelier Saturation Index +0.10

Analysis By Rolland Perry

Date: 3/27/93

BUREAU OF LAND MANAGEMENT  
CARLSBAD RESOURCE AREA

Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

1. This agency be notified of any change in your method or location of disposal.
2. Compliance with all provisions of NTL-2B.
3. This agency shall be notified of any spill or discharge as required by NTL-3A.
4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, then you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.