

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
30-025-31872

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-2317-A

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
OIL WELL ☐ GAS WELL ☐ OTHER WATER INJECTION

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

8. Well No.
77

3. Address of Operator
P. O. Box 3109 Midland, Texas 79702

9. Pool name or Wildcat
VACUUM GLORIETA

4. Well Location
Unit Letter I : 2569 Feet From The SOUTH Line and 1226 Feet From The EAST Line
Section 35 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
GR-4010', KB-4024'

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☒ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☒
OTHER: SPUD & SURFACE CASING ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1. TMBR/SHARP RIG #3 SPUD 11 INCH HOLE @ 1:30 PM 06-10-93. DRILLED TO 1550'. TD @ 9:30 AM 06-11-93.
2. RAN 35 JTS OF 8 5/8, 24#, WC-50, STC CASING SET @ 1550'. RAN 10 CENTRALIZERS.
3. DOWELL CEMENTED WITH 450 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.32 CF/S). PLUG DOWN @ 5:00 PM 06-11-93. CIRCULATED 58 SACKS.
4. NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 1:00 AM TO 1:30 AM 06-12-93.
5. WOC TIME 8 HOURS FROM 5:00 PM 06-11-93 TO 1:00 AM 06-12-93. REQUIREMENTS OF RULE 107, OPTION 2:
 1. VOLUME OF CEMENT SLURRY: LEAD 783 (CU.FT), TAIL 264 (CU.FT).
 2. APPROX. TEMPERATURE OF SLURRY WHEN MIXED: 50 F.
 3. EST. FORMATION TEMPERATURE IN ZONE OF INTEREST: 90 F.
 4. EST. CEMENT STRENGTH AT TIME OF CASING TEST: 950 PSI.
 5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 8 HOURS.
6. DRILLING 7 7/8 HOLE.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE C. P. Basham / SOH TITLE DRILLING OPERATIONS MANAGER DATE 06-15-93

TYPE OR PRINT NAME C.P. BASHAM

TELEPHONE NO. 915-6884620

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT I SUPERVISOR TITLE DATE JUN 21 1993

CONDITIONS OF APPROVAL, IF ANY:

File No. H093245Report Date: 6-1-93Operator: Taxaco

Requested By: _____

Lease No: VOW #63, # 77Service Point: HNM.Location: Loc N.M.Type of Job: Seal

Test Conditions:

Depth: 1530 ft., Temp Grad _____, BHST: 90 °F, BHCT: 85 °F

| Properties: | Density (ppg) | Yield (cu ft/sk) | Mix Water (gal/sk) | Total Liquid (gal/sk) | Water Source | Cement Source |
|--------------|------------------|---------------------|-----------------------|--------------------------|-----------------|------------------|
| System No. 1 | <u>13.5</u> | <u>1.74</u> | <u>9.11</u> | <u>9.11</u> | <u>Loc</u> | |
| System No. 2 | <u>14.5</u> | <u>1.32</u> | <u>6.32</u> | <u>6.32</u> | <u>Loc</u> | |
| System No. 3 | | | | | | |
| System No. 4 | | | | | | |

Cement System Compositions:

System No. 1 C + 4% H₂O + 2% SISystem No. 2 C + 2% SI

System No. 3 _____

System No. 4 _____

Thickening Time Results

Rheology Results

| SYSTEM | HR:MIN | BC | 300 | 200 | 100 | 60 | 30 | 6 | 3 | PV arn' | Tyork | REHOLOGY MODEL | I.O.D. |
|--------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-------|-------------------|--------|
| No. 1 | <u>4:25</u> | <u>70</u> | <u>40</u> | <u>35</u> | <u>30</u> | <u>26</u> | <u>24</u> | <u>20</u> | <u>14</u> | | | | |
| No. 2 | <u>2:00</u> | <u>70</u> | <u>50</u> | <u>45</u> | <u>40</u> | <u>38</u> | <u>34</u> | <u>30</u> | <u>19</u> | | | | |
| No. 3 | | | | | | | | | | | | | |
| No. 4 | | | | | | | | | | | | | |

Compressive Strengths - psi

| SYSTEM | TEMP. | 6 HRS. | 12 HRS. | HRS. |
|--------|--------------|------------|-------------|------|
| No. 1 | <u>90 °F</u> | <u>475</u> | <u>825</u> | |
| No. 1 | <u>°F</u> | | | |
| No. 2 | <u>90 °F</u> | <u>650</u> | <u>1550</u> | |
| No. 2 | <u>°F</u> | | | |
| No. 3 | <u>°F</u> | | | |
| No. 3 | <u>°F</u> | | | |
| No. 4 | <u>°F</u> | | | |
| No. 4 | <u>°F</u> | | | |

FLUID LOSS

FREE WATER

| SYSTEM | _____ °F, _____ psi | _____ °F |
|--------|---------------------|----------|
| | mL/30 min | mL |
| No. 1 | | |
| No. 2 | | |
| No. 3 | | |
| No. 4 | | |

Remarks Test Taken From
VOW # 108 Tested 5/31/93

Chemist _____