

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

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

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

OIL CONSERVATION DIVISION

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

WELL API NO.  
30-025-31873

5. Indicate Type of Lease  
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.  
B-2317-1-A

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.)

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

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

2. Name of Operator  
TEXACO EXPLORATION AND PRODUCTION INC.

8. Well No.  
91

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

9. Pool name or Wildcat  
VACUUM GLORIETA

4. Well Location  
Unit Letter I : 1459 Feet From The SOUTH Line and 1048 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:

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

SUBSEQUENT REPORT OF:

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 @ 10:30 PM 06-19-93. DRILLED TO 1545'. TD @ 7:00 PM 06-20-93.
2. RAN 34 JTS OF 8 5/8, 24#, WC-50, STC CASING SET @ 1545'. 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 AM 06-21-93. CIRCULATED 167 SACKS.
4. NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 2:00 PM TO 2:30 PM 06-21-93.
5. WOC TIME 9 HOURS FROM 5:00 AM TO 2:00 PM 06-21-93. 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: 1100 PSI.
  5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 9 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 / JKH TITLE DRILLING OPERATIONS MANAGER DATE 06-22-93

TYPE OR PRINT NAME C.P. BASHAM

TELEPHONE NO. 915-6884620

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT I SUPERVISOR

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

JUN 24 1993



## CEMENTING REPORT

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

Requested By: \_\_\_\_\_

Lease No: VOWU #63, #77, #91Service Point: HNM.Location: Lee NM.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% P20 + 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 or n'	Ty or k'	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>°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 Info Taken FromVOWU # 108 Tested 5/31/93

ILLEGIBLE