

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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

Submit 3 Copies
to Appropriate
District Office

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

WELL API NO.
30-025-31859

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-1733-2

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.
120

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

9. Pool name or Wildcat
VACUUM GLORIETA

4. Well Location
Unit Letter B : 1102 Feet From The NORTH Line and 1575 Feet From The EAST Line
Section 1 Township 18-SOUTH Range 34-EAST NMPM LEA County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)
GR-3988', KB-4002'

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 @ 4:30 PM 06-30-93. DRILLED TO 1470'. TD @ 7:30 AM 07-01-93.
2. RAN 33 JTS OF 8 5/8, 24#, WC-50, STC CASING SET @ 1470'. 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 @ 2:00 PM 07-01-93. CIRCULATED 23 SACKS.
4. NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 10:00 PM TO 10:30 PM 07-01-93.
5. WOC TIME 8 HOURS FROM 2:00 PM TO 10:00 PM 07-01-93. 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 / SDH TITLE DRILLING OPERATIONS MANAGER DATE 07-02-93

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

DATE

CONDITIONS OF APPROVAL, IF ANY:

DATE

JUL 14 1993



CEMENTING REPORT

File No: H093245Report Date: 6-1-93Operator: TORACO

Requested By: _____

Lease No: VOWU #43, #77, #91Service Point: HNM.Location: Lea N.M. #120Type of Job: Surf

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>14.8</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'	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>35</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	°F			
No. 2	<u>90 °F</u>	<u>650</u>	<u>1550</u>	
No. 2	°F			
No. 3	°F			
No. 3	°F			
No. 4	°F			
No. 4	°F			

FLUID LOSS

FREE WATER

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

Remarks: Data Taken From
VOWU #105 Tested 5/31/93