

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.
30-025-31880 ✓

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-6

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.
105

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

9. Pool name or Wildcat
VACUUM GLORIETA

4. Well Location
Unit Letter N : 453 Feet From The SOUTH Line and 1340 Feet From The WEST Line
Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
GR-3999', KB-4013'

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 #17 SPUD 14 3/4 HOLE @ 4:00pm 04-24-93. DRILLED TO 1500'. TD @ 9:15am 04-25-93.
2. RAN 35 JTS OF 11 3/4, 42#, WC-40, STC CASING SET @ 1500'. RAN 10 CENTRALIZERS.
3. DOWELL CEMENTED WITH 560 SACKS CLASS C w/ 4% GEL, 2% CaCl₂ (13.5ppg, 1.74cf/s). F/B 280 SACKS CLASS C w/ 2% CaCl₂ (14.8ppg, 1.32cf/s). PLUG DOWN @ 8:15pm 04-25-93. CIRCULATED 80 SACKS.
4. NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 9:30am TO 10:00am 4-26-93.
5. WOC TIME 13 1/4 HOURS FROM 8:15pm 04-25-93 TO 9:30am 04-26-93. REQUIREMENTS OF RULE 107, OPTION 2:
 1. VOLUME OF CEMENT SLURRY: LEAD 974 (cu.ft), TAIL 370 (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: 1480 PSI.
 5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 13 1/4 HOURS.

6. DRILLING 11 inch HOLE.

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

SIGNATURE C. P. Basham / cwh TITLE DRILLING OPERATIONS MANAGER DATE 04-27-93

TYPE OR PRINT NAME C. P. BASHAM

TELEPHONE NO. 915-6884620

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APR 29 1993



CEMENTING REPORT

File No.: H093137Report Date: 4/6/93Operator: TexacoLease No: Vaccum 9, 5, 105Location: Lea NMRequested By: RRService Point: HNMType of Job: Surf

Test Conditions:

Depth: 1580 ft.

Temp Grad _____

BHST: 90°F, BHCT: 85

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>	<u>C</u>
System No. 2	<u>14.2</u>	<u>1.32</u>	<u>6.32</u>	<u>6.32</u>	<u>Loc</u>	<u>C</u>
System No. 3						
System No. 4						

Cement System Compositions:

System No. 1 C + 7% D20 + 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'	RHEOLOGY MODEL	I.O.
No. 1	<u>3:30</u>	<u>70</u>	<u>38</u>	<u>34</u>	<u>31</u>	<u>25</u>	<u>22</u>	<u>18</u>	<u>13</u>				
No. 2	<u>2:00</u>	<u>100</u>	<u>43</u>	<u>36</u>	<u>34</u>	<u>25</u>	<u>22</u>	<u>17</u>	<u>12</u>				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	HRS.
No. 1	<u>90 °F</u>	<u>485</u>	<u>975</u>	
No. 1	<u>°F</u>			
No. 2	<u>90 °F</u>	<u>525</u>	<u>1350</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	_____
	_____ mL/30 min	_____ mL
No. 1		
No. 2		
No. 3		
No. 4		

Remarks: _____