

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. 30-025-31858 ✓
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-155-6
7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT
8. Well No. 104
9. Pool name or Wildcat VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GR-4003', KB-4017'

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER WATER INJECTION	2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.
3. Address of Operator P. O. Box 3109 Midland, Texas 79702	4. Well Location Unit Letter M : 361 Feet From The SOUTH Line and 300 Feet From The WEST Line Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA County
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 11 inch HOLE @ 2:45pm 03-22-93. DRILLED TO 1500'. TD @ 12:45am 3-23-93.
2. RAN 34 JTS OF 8 5/8, 24#, WC-50, STC CASING SET @ 1500'. RAN 10 CENTRALIZERS.
3. DOWELL CEMENTED WITH 450 SACKS CLASS C w/ 4% GEL, 2% CaCl₂ (13.5ppg, 1.74cf/s). F/B 200 SACKS CLASS C w/ 2% CaCl₂ (14.8ppg, 1.32cf/s). PLUG DOWN @ 9:15am 03-23-93. CIRCULATED 147 SACKS.
4. NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 5:15pm TO 5:45pm 3-23-93.
5. WOC TIME 8 HOURS FROM 9:15am 03-23-93 TO 5:15pm 03-23-93. 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 / cwh TITLE DRILLING OPERATIONS MANAGER DATE 03-24-93

TYPE OR PRINT NAME C. P. BASHAM

TELEPHONE NO. 915-6884620

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

MAR 26 1993

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



CEMENTING REPORT

No.: H093099Report Date: 3/10/93Operator: TexacoRequested By: RPCase No.: Vac 82, 11, 104Service Point: HNMLocation: Lea NMType of Job: Surface

Test Conditions:

Depth: 1350

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>14.8</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 + 4% 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	80	30	6	3	PV or n'	Tyork'	RHEOLOGY MODEL	I.O.C
No. 1	<u>4:10</u>	<u>70</u>	<u>30</u>	<u>24</u>	<u>21</u>	<u>18</u>	<u>15</u>	<u>12</u>	<u>10</u>				
No. 2	<u>2:10</u>	<u>70</u>	<u>45</u>	<u>40</u>	<u>34</u>	<u>30</u>	<u>28</u>	<u>20</u>	<u>15</u>				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	HRS.
No. 1	<u>90 °F</u>	<u>470</u>	<u>975</u>	
No. 1	<u>°F</u>			
No. 2	<u>90 °F</u>	<u>575</u>	<u>1700</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: _____