

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. 30-025-31843
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. 95
9. Pool name or Wildcat VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GR-3990', KB-4004'

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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 <u>J</u> : <u>1534</u> Feet From The <u>SOUTH</u> Line and <u>1521</u> Feet From The <u>EAST</u> Line Section <u>36</u> Township <u>17-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GR-3990', KB-4004'	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
<b>NOTICE OF INTENTION TO:</b>	<b>SUBSEQUENT REPORT OF:</b>
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input checked="" type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>
	OTHER: SPUD & SURFACE CASING <input checked="" type="checkbox"/>

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 @ 5:30pm 02-15-93. DRILLED TO 1490'. TD @ 4:45pm 2-16-93.
2. RAN 35 JTS OF 11 3/4, 42#, WC-40, STC CASING SET @ 1490'. RAN 10 CENTRALIZERS.
3. DOWELL CEMENTED WITH 560 SACKS CLASS C w/ 4% GEL, 2% CaCl<sub>2</sub> (13.5ppg, 1.74cf/s). F/B 280 SACKS CLASS C w/ 2% CaCl<sub>2</sub> (14.8ppg, 1.32cf/s). PLUG DOWN @ 1:00am 02-17-93. CIRCULATED 97 SACKS.
4. NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 11:00am TO 11:30am 2-17-93.
5. WOC TIME 10 HOURS FROM 1:00am 02-17-93 TO 11:00am 02-17-93. 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: 1332 PSI.
  5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 10 HOURS.
6. DRILLED 11 inch HOLE TO 3000'. REDUCED HOLE SIZE TO 7 7/8.
7. DRILLING.

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 02-19-93  
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:

FEB 22 1993



# CemDABE Cement Test Report

February 3, 1993

Date of test : 03-feb-1993

**TEST NUMBER : NPD303900002**

**CUSTOMER** : TEXACO  
**FIELD** : LEA NM  
**WELL** : VAC 67, 68, 95  
Concentrations are expressed for 94 lbs Sack  
**BASE FLUID**

Density : 8.32 lb/gal  
Content : 6.320 gal/sk  
Type : LO  
Total liquid : 6.320 gal/sk

**CEMENT**  
Class : C  
Blend :  
Brand : LONESTAR  
Plant : MARYNEAL

**SLURRY**  
Density : 14.80 lb/gal  
Yield : 1.32 ft<sup>3</sup>/sk

B.H.S.T. : 90.0 F  
B.H.C.T. : 85.0 F

ADDITIVES		
Code	Concent.	Unit
S001	2.000	% BWOC

Set condition :  
Consistometer serial number :

Spring factor : 1.0  
Bob No : 1  
Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic  
 $T_y$  : 27.732 lbf/100ft<sup>2</sup>  
 $P_y$  : 26.697 cP  
Correlation coefficient : 0.982

Thickening Time : 2 hr 5 min to 70 BC  
API Schedule :

No Fluid Loss data available

No Free Water data available

Comment :

C + 2% S1 FIELD BLEND TEST  
LOCATION WATER USED.  
TVD-1550 FT.  
HOBBS LAB

Rheometer type : Fann 35

Rheological data		
Temp. (F) :	80.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	53.0	0.0
200.0	47.0	0.0
100.0	38.0	0.0
60.0	31.0	0.0
30.0	26.0	0.0
6.0	21.0	0.0
3.0	19.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Compressive strength		
PSI	Hours	Temp. (F)
500	6.0	90.0
1749	12.0	90.0
2100	24.0	90.0