

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box 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.	30-025-33429
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	89
9. Pool Name or Wildcat	VACUUM GLORIETA

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.	
1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	TEXACO EXPLORATION & PRODUCTION INC.
3. Address of Operator	P.O. Box 2100, Denver Colorado 80201
4. Well Location	Unit Letter <u>I</u> <u>2000</u> Feet From The <u>SOUTH</u> Line and <u>1070</u> Feet From The <u>EAST</u> Line Section <u>36</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT,GR, etc.)	3988'

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 OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ SPUD, SURF CSG, PROD CSG.

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.

- NABORS RIG #467 SPUD 11 INCH HOLE @ 5:00 PM MST 06-05-96. DRILLED TO 1121'. TD @ 1540 PM 1:15 PM 06-06-96.
- RAN 35 JOINTS OF 8 5/8 INCH, 24# WC-50, STC CASING SET @ 1540'. RAN 10 CENTRALIZERS.
- DOWELL CEMENTED WITH 400 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S). F/B 150 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S). PLUG DOWN @ 10:30 PM MST 06-06-96. CIRCULATED 113 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 9:15 AM TO 9:45 AM MST 06-07-96.
- WOC TIME 10-3/4 HOURS FROM 10:35 PM 06-06-96 TO 9:15 AM 06-07-96. REQUIREMENTS OF RULE 107, OPTION 2:
1. VOLUME OF CEMENT SLURRY: LEAD 696 (CU. FT.), TAIL 201 (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: 1233 PSI.
5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 10-3/4 HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE. TD @ 12:15 PM 06-13-96.
- RU SCHLUMBERGER. RAN PLATFORM EXPRESS WITH HALS FROM 6292' TO 3000'. PULL GR-CNL TO SURFACE.
- RAN 151 JOINTS (6310') OF 5 1/2 INCH, 17# (27 JTS - 1133'), WC-75 & 15.5# (124 JTS - 5177') WC50, LTC CASING SET @ 6300'. DV TOOL @ 4995'. RAN 10 CENTRALIZERS.
- DOWELL CEMENTED IN THE 1ST STAGE W/225 SACKS CLASS C NEAT (15.6 PPG, 1.18 CF/S) PLUG DOWN @ 2:10 AM 06-15-96. CIRCULATED 113 SACKS.
- DROP BOMP. OPEN DV TOOL (4995') WITH 850 PSI. CIRC BETWEEN STAGES. DID NOT CIRC CMT FROM 1ST STAGE.
- DOWELL CEMENTED IN THE 2ND STAGE WITH 1000 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% CACL2, 1/4# FLOCELE (12.4 PPG, 2.14 CF/S). F/B 100 SACKS CLASS C NEAT (15.6 PPG, 1.18 CF/S). PLUG DOWN @ 10:30 PM MST 06-06-96. CIRCULATED 26 SACKS. BUMPED PLUG AND CLOSE DV TOOL @ 10:07 AM MST 06-15-96.
- ND. RELEASE RIG @ 2:30 PM MST 06-15-96.
- PREP TO COMPLETE.

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

SIGNATURE C.P. Barham TITLE Eng. Assistant.

DATE 6/24/96

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)621-4851

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUL 5 1996

DeSoto/Nichols 10-94 ver 2.0



CEMENTING REPORT

File No.: _____

Report Date: _____

Operator: Texas Requested By: _____Lease No: VGW 89 Service Point: HWHLocation: Len Wh Type of Job: Surface

Test Conditions:

Depth: 1550 ft., Temp Grad _____, BHST: 92 °F, BHCT: 88 °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>	<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 + 42 D20 + 27.51System No. 2: C + 27.51

System No. 3: _____

System No. 4: _____

Thickening Time Results

Rheology Results

SYSTEM	HA:MIN	BC	300	200	100	60	30	5	3	PV or n'	Tyork'	REHOLOGY MODEL	LO.D.
No. 1	<u>3:00</u>	<u>70</u>	<u>36</u>	<u>31</u>	<u>27</u>			<u>14</u>	<u>12</u>				
No. 2	<u>2:00</u>	<u>70</u>	<u>40</u>	<u>36</u>	<u>31</u>			<u>17</u>	<u>14</u>				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	<u>92 °F</u>	<u>250</u>	<u>500</u>	<u>800</u>
No. 1	°F			
No. 2	<u>92 °F</u>	<u>660</u>	<u>1400</u>	<u>2000</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: Previous Data

Chemist: _____

Schlumberger**Dowell****CemDABE Cement Test Report**

June 14, 1996

DATE OF TEST : 14-jun-1996

TEST NUMBER : NPD641900002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : V G W U 89

CEMENT
Class : H
Blend : 3565
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 11.95 gal/sk
Type : LO
Total liquid : 11.95 gal/sk

SLURRY

Density : 12.40 lb/gal
Yield : 2.14 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	6.000	% BWOC
D029	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 110.0 F

B.H.C.T. : 103.0 F

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 T_y : 11.711 lbf/100ft² P_o : 7.532 cP

Correlation coefficient : 0.993

Thickening Time : 10 hr45 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	19.0	0.0
200.0	17.0	0.0
100.0	14.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	10.0	0.0
3.0	10.0	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)
230	6.0	110.0
340	12.0	110.0
450	24.0	110.0

Comment :

FIELD BLEND

35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29

LOCATION WATER USED

LONG STRING 2ND STAGE LEAD 5000' POD = 7:50

Schlumberger

Dowell

CemDABE Cement Test Report

June 14, 1996

DATE OF TEST : 14-jun-1996

TEST NUMBER : NPD641900003

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : V G W U 89

CEMENT
Class : H
Blend :
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 5.20 gal/sk
Type : LO
Total liquid : 5.20 gal/sk

SLURRY

Density : 15.60 lb/gal
Yield : 1.18 ft³/sk

B.H.S.T. : 110.0 F

B.H.C.T. : 103.0 F

No additives

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 T_y : 30.113 lbf/100ft² P_y : 16.570 cP

Correlation coefficient : 0.988

Thickening Time : 4 hr15 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	47.0	0.0
200.0	40.0	0.0
100.0	36.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	26.0	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)
110	6.0	110.0
850	12.0	110.0
1300	24.0	110.0

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

LONG STRING 2ND STAGE TAIL 5000' POD = 3:05