

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.	30-025-33331
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	CENTRAL VACUUM UNIT
8. Well No.	176
9. Pool Name or Wildcat	GRAYBURG/SA

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 PERMIT (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 46510, Denver Colorado 80201-6510
4. Well Location	Unit Letter <u>I</u> : <u>1988</u> Feet From The <u>SOUTH</u> Line and <u>355</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.)	3985'

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 05-10-96. DRILLED TO 1524'. TD @ 12:15 PM 05-11-96.
- RAN 34 JOINTS(1524') OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1524'. RAN 12 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, 1.32 CF/S). PLUG DOWN @ 11:30 PM 05-11-96. CIRCULATED 109 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 8:45 AM TO 9:15 PM 05-12-96.
- WOC TIME 9-1/4 HOURS FROM 11:30 PM 05-11-96 TO 8:45 AM 05-12-96. REQUIREMENTS OF RULE 107. OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 696 (CU. FT.), TAIL 198 (CU. FT.).
 - APPROX. TEMPERATURE OF SLURRY WHEN MIXED: 50 F
 - EST. FORMATION TEMPERATURE IN ZONE OF INTEREST: 90 F.
 - EST. CEMENT STRENGTH AT TIME OF CASING TEST: 1234 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 9-1/4 HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 4375'. TD @ 4:00 PM 05-16-96.
- RU SCHLUMBERGER WL. RAN PLATFORM FROM 4830' TO 1524'.
- RAN 111 JOINTS OF 5 1/2 INCH, 17#, WC-50, LTC CASING SET @ 4842'.
- DOWELL CEMENTED W/ 920 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE. 0.4% SILICATE GEL (12.8 PPG, 1.94 CF/S). F/B 200 SACKS CLASS H NEAT (16.4 PPG, 1.18 CF/S). PLUG DOWN @ 11:25 PM MST 05-17-96. CIRCULATED 59 BBLS CMT.
- ND. RELEASE RIG @ 3:30 PM MST 05-18-96.
- 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. Basham / SETH TITLE Eng. Assistant.

DATE 5/21/96

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)621-4851

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

MAY 28 1996

File No: _____

Report Date: _____

Operator: TEXACO

Requested By: _____

Lease No: C V U 176Service Point: HNMLocation: LFA NMType of Job: SURF

Test Conditions:

Depth: 1550 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>	<u>C</u>
System No. 2						
System No. 3	<u>14.8</u>	<u>1.32</u>	<u>6.32</u>	<u>6.32</u>	<u>LOC</u>	<u>C</u>
System No. 4						

Cement System Compositions:

System No. 1 CLASS C + 4% D20 + 2% S-1

System No. 2 _____

System No. 3 CLASS C - NEAT

System No. 4 _____

Thickening Time Results

Rheology Results

SYSTEM	HR:MIN	8C	200	200	100	60	30	6	3	PV or n'	Tyork	REHGOLOGY MODEL	I.O.D.
No. 1	<u>3:20</u>	<u>70</u>	<u>35</u>	<u>30</u>	<u>26</u>			<u>18</u>	<u>14</u>				
No. 2													
No. 3	<u>2:05</u>	<u>70</u>	<u>51</u>	<u>46</u>	<u>39</u>			<u>24</u>	<u>13</u>				
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	<u>90 °F</u>	<u>400</u>	<u>800</u>	<u>1000</u>
No. 1	°F			
No. 2	°F			
No. 2	°F			
No. 3	<u>90 °F</u>	<u>1050</u>	<u>1390</u>	<u>1750</u>
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 Date

Chemist: _____

Schlumberger

Dowell

CemDABE Cement Test Report

May 15, 1996

DATE OF TEST : 15-may-1996

TEST NUMBER : NPD634600001

CUSTOMER : TEXACO

FIELD : LEA NM

WELL : CVU 176

CEMENT

Class : H

Blend : 3565

Brand : LONESTAR

Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal

Volume : 10.46 gal/sk

Type : LO

Total liquid : 10.46 gal/sk

SLURRY

Density : 12.80 lb/gal

Yield : 1.94 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	6.000	% BWOC
D029	0.280	% BWOC
D044	5.000	% BWOW
D079	0.400	% BWOC

B.H.S.T. : 114.0 F

B.H.C.T. : 103.0 F

Rheological model (Dial 1) : Bingham Plastic

T_y : 18.403 lb_f/100ft²

P_y : 10.544 cP

Correlation coefficient : 0.924

Thickening Time : 6 hr28 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	28.0	0.0
200.0	27.0	0.0
100.0	21.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	18.0	0.0
3.0	17.0	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)
165	6.0	114.0
256	12.0	114.0
356	24.0	114.0

Comment :

FIELD BLEND

35/65 POZ/H + 6% D20 + 5% D44 (BWOW) + 0.4% D79 + 0.25PPS D29

LOCATION WATER USED

LONG STRING LEAD 4850' POD = 2:28

P. 04

FAX NO. 15053933132

DOWELL HOBBS

MAY-17-96 FRI 12:57

Schlumberger

Dowell

CemDABE Cement Test Report

May 15, 1996

DATE OF TEST : 15-may-1996

TEST NUMBER : NPD634600002

CUSTOMER : TEXACO

FIELD : LEA NM

WELL : CVU 176

CEMENT

Class : H

Blend :

Brand : LONESTAR

Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal

Volume : 4.30 gal/sk

Type : LO

Total liquid : 4.30 gal/sk

SLURRY

Density : 16.40 lb/gal

Yield : 1.06 ft³/sk

B.H.S.T. : 114.0 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 : 22.418 lbf/100ft²

P_v : 49.709 cP

Correlation coefficient : 0.982

Thickening Time : 5 hr27 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	70.0	0.0
200.0	59.0	0.0
100.0	37.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	16.0	0.0
3.0	12.0	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)
505	6.0	114.0
1675	12.0	114.0
2656	24.0	114.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

LONG STRING TAIL 4850' POD = 3:13

P.O.

FAX NO. 1505393313

DOWELL HOBBS

MAY-17-96 FRI 12:57