

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. 30-025-33330
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. 188
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>P</u> <u>650</u> Feet From The <u>SOUTH</u> Line and <u>318</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.)	3986'

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 @ 16:00 CST 05-18-96. DRILLED TO 1552'. TD @ 7:30 AM CST 05-19-96.
- RAN 35 JOINTS OF 8 5/8 INCH. 24#, WC-50, STC CASING SET @ 1556'. RAN 10 CENTRALIZERS.
- DOWELL CEMENTED WITH 400 SACKS CLASS C W/ 3% GEL. 2% CACL2 (13.5 PPG, 1.73 CF/S). F/B 150 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.32 CF/S). PLUG DOWN @ 3:30 PM CST 05-19-96. CIRCULATED 128 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 2:30 AM TO 3:00 AM CST 05-20-96.
- WOC TIME 11 HOURS FROM 3:30 PM 05-19-96 TO 2:30 AM 05-20-96. REQUIREMENTS OF RULE 107. OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 692 (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: 1333 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 11 HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 4850'. TD @ 2:00 AM 05-25-96.
- RU SCHLUMBERGER. RUN PLATFORM EXPRESS 4850' TO 2700'. GR-CNL TO SURFACE.
- RAN 112 JOINTS OF 5 1/2 INCH. 15.5#, WC-50, LTC CASING SET @ 4850'.
- DOWELL CEMENTED: 1ST STAGE - 800 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 200 SACKS CLASS H NEAT (16.4 PPG, 1.06 CF/S). PLUG DOWN @ 6:15 AM 05-26-96. CIRCULATED 120 SACKS.
- ND RELEASE RIG @ 10:15 AM 05-26-96.
- 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 / SDC TITLE Eng. Assistant.

DATE 5/28/96

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)621-4851

This space for State Use!

ON BEHALF OF THE STATE OF NEW MEXICO
SHEILLA D. REED-HIGH

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUN 21 1996



CEMENTING REPORT

File No.: _____ Report Date: _____

Operator: Texas Requested By: _____Lease No.: CVU 188 Service Point: HNALocation: Lea NM Type of Job: Surface

Test Conditions:

Depth: 1550 ft. Temp Grad: _____ BHST: 92 °F BHCT: 88 °F

Properties:	Density (ppg)	Yield (lb 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 + 47.030 + 27.51System No. 2 C + 27.51

System No. 3 _____

System No. 4 _____

Thickening Time Results

Rheology Results

SYSTEM	HR:MIN	8C	300	200	100	60	30	6	3	PV or σ'	Ty or σ'	RHEOLOGY MODE	L.O.D.
No. 1	<u>2:20</u>	<u>70</u>	<u>35</u>	<u>30</u>	<u>26</u>	<u>22</u>	<u>20</u>	<u>18</u>	<u>14</u>				
No. 2	<u>2:05</u>	<u>70</u>	<u>51</u>	<u>46</u>	<u>39</u>	<u>35</u>	<u>32</u>	<u>24</u>	<u>13</u>				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	<u>92 °F</u>	<u>400</u>	<u>700</u>	<u>1000</u>
No. 1	<u>°F</u>			
No. 2	<u>92 °F</u>	<u>1050</u>	<u>1250</u>	<u>1750</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	°F _____
	ml/30 min	ml
No. 1		
No. 2		
No. 3		
No. 4		

Remarks: Plaster Data

Chemist: _____

Schlumberger
Dowell

CemDABE Cement Test Report

May 25, 1996
DATE OF TEST : 25-may-1996

TEST NUMBER : NPD637300001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : CVU 188

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	
D079	0.400	% BWOC

B.H.S.T. : 114.0 F
B.H.C.T. : 103.0 F

Rheological model (Dial 1) : Bingham Plastic
 $T_y : 19.741 \text{ lbf}/100 \text{ ft}^2$
 $P_o : 12.051 \text{ cP}$
Correlation coefficient : 0.990

Thickening Time : 3 hr42 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	32.0	0.0
200.0	27.0	0.0
100.0	24.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	21.0	0.0
3.0	20.0	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)
200	6.0	114.0
340	12.0	114.0
450	24.0	114.0

Comment :

FIELD BLEND
35/65 POZ/H + 6% D20 + 5%D44(BWOW) + 0.4%D79 + D29
LOCATION WATER USED
LONG STRING LEAD POD = 2:40

Schlumberger

Dowell

CemDABE Cement Test Report

May 25, 1996

DATE OF TEST : 25-may-1996

TEST NUMBER : NPD637300002

CUSTOMER : TEXACO

FIELD : LEA NM

WELL : CVU 188

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 : 24.425 lb_f/100ft²

P_0 : 48.203 cP

Correlation coefficient : 0.970

Thickening Time : 2 hr20 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	61.0	0.0
100.0	38.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	18.0	0.0
3.0	13.0	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
2056	24.0	114.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

LONG STRING TAIL 4800'