

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.	30-025-33334
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.	189
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDRES

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>751</u> Feet From The <u>SOUTH</u> Line and <u>1246</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 04-23-96. DRILLED TO 1545'. TD @ 10:00 AM 04-24-96.
- RAN 35 JOINTS OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1531'. RAN 10 CENTRALIZERS.
- DOWELL CEMENTED WITH 450 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 @ 7:45 PM 04-24-96. CIRCULATED 87 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 9:45 AM TO 10:00 AM 04-25-96.
- WOC TIME 14 HOURS FROM 7:45 PM 04-24-96 TO 9:45 AM 04-25-96. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 783 (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: 1667 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 14 HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 4850'. TD @ 2:30 AM 04-30-96.
- SCHLUMBERGER RAN COMPENSATED NEUTRON, LITHO-DENSITY-GR, DUAL LATHEROLOG, MSFL FROM 4850' TO 2700'. DENSITY-GR TO SURFACE.
- RAN 113 JOINTS OF 5 1/2 INCH, 15.5#, WC-50, LTC CASING SET @ 4850'.
- DOWELL CEMENTED W/ 750 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 (15.6 PPG, 1.18 CF/S). PLUG DOWN @ 12:15 AM 05-01-96. CIRCULATED 115 SACKS.
- ND. RELEASE RIG @ 6:30 AM 05-01-96.
- 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/SRH TITLE Eng. Assistant.

DATE 5/2/96

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)621-4851

(This space for State Use)

ORIGINAL SIGNED BY

APPROVED

GARY WINK

CONDITIONS OF APPROVAL, IF FIELD REP. TITLE

DATE

MAY 14 1996

DeSoto/Nichols 10 94 ver 2.0



CEMENTING REPORT

File No.: _____

Report Date: _____

Operator: Texas Requested By: _____Lease No: CVH 189 Service Point: HNMLocation: Len NM 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	HR:MIN	BC	300	200	100	60	30	8	3	PV or n'	Tyork	REHOLOGY MODEL	L.O.D.
No. 1	3:00	70	36	31	27			14	12				
No. 2	2:00	70	40	36	31			17	14				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	92 °F	250	500	800
No. 1	°F			
No. 2	92 °F	600	1400	2000
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: Pressure Data

Chemist: _____

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

May 1, 1996

DATE OF TEST : 01-may-1996

TEST NUMBER : NPD631300002

CUSTOMER : TEXACO

FIELD : LEA NM

WELL : C V U 189

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. : 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 : 29.109 lb_f/100 ft² P_y : 16.570 cP

Correlation coefficient : 0.988

Thickening Time : 4 hr31 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	46.0	0.0
200.0	39.0	0.0
100.0	35.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	21.0	0.0
3.0	18.0	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)
525	6.0	114.0
1810	12.0	114.0
2041	24.0	114.0

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

LONG STRING TAIL 4850' POD = 3:20

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

May 1, 1996

DATE OF TEST : 01-may-1996

TEST NUMBER : NPD631300001

CUSTOMER : TEXACO
 FIELD : LEA NM
 WELL : C V U 189

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

B.H.S.T. : 114.0 F

B.H.C.T. : 103.0 F

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

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 25.094 \text{ lbf}/100 \text{ ft}^2$ $P_o : 12.051 \text{ cP}$

Correlation coefficient : 1.000

Thickening Time : 10 hr38 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	37.0	0.0
200.0	33.0	0.0
100.0	29.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	15.0	0.0
3.0	14.0	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)
150	6.0	114.0
250	12.0	114.0
350	24.0	114.0

Comment :

FIELD BLEND

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

LOCATION WATER USED

LONG STRING LEAD 4850' POD = 4:40

