

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.	30-025-33464
5. Indicate Type of Lease	STATE ☐ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No.	159
9. Pool Name or Wildcat	Vacuum 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 2100, Denver Colorado 80201
4. Well Location	Unit Letter A : 907 Feet From The NORTH Line and 350 Feet From The EAST Line Section 1 Township 18-S Range 34-E NMPM LEA 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 SPUD 11 INCH HOLE @ 6:00 AM 06-16-96. DRILLED TO 1435'. TD @ 3:00 PM 06-17-96.
- RAN 35 JOINTS(1565') OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1555'. 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, 1.32 CF/S). PLUG DOWN @ 10:20 PM MST 06-17-96. CIRCULATED 61 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 11:00 AM TO 11:30 AM 06-18-96.
- WOC TIME 12 HOURS & 20 MINUTES FROM 10:30 PM 06-17-96 TO 11:00 AM 06-18-96. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 696 (CU. FT.), TAIL 201 (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: 137 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 12 AND 20 MINUTES HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 4850'. TD @ 4:00 PM 06-22-96.
- RU SCHLUMBERGER. RAN GR-CNL-LDT- 4850-3900'.GR -CNL TO SURFACE.2ND LOG: GR-DLL-MSFL-SONIC 4850-3900' SONIC TO BSC.
- RAN 118 JOINTS(4850') OF 5 1/2 INCH, 15.5#, WC-50 LTC CASING SET @ 4850'.
- DOWELL CEMENTED: W/800 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE, 4% D79 (12.8 PPG, 1.94 CF/S). F/B 200 SACKS CLASS H NEAT (16.4 PPG, 1.18 CF/S). PLUG DOWN @ 12:30 PM MST 06-24-96. CIRCULATED 93 SACKS.
- ND. RELEASE RIG @ 5:00 AM 06-24-96.
- 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 6/25/96

TYPE OR PRINT NAME Sheilla D. Reed-High

Telephone No. (303)621-4851

(This space for State Use) ORIGINAL NOTED BY JERRY SEXTON

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUL 26 1996

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

June 23, 1996

DATE OF TEST : 23-jun-1996

TEST NUMBER : NPD643900001

CUSTOMER : TEXACO

FIELD : LEA NM

WELL : V G S A U 159

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	0.250	% BWOC
D044	5.000	% BWOW
D079	0.400	% BWOC

B.H.S.T. : 110.0 F

B.H.C.T. : 104.0 F

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 10.707 \text{ lbf}/100\text{ft}^2$ $P_o : 9.038 \text{ cP}$

Correlation coefficient : 0.982

Thickening Time : 13 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	20.0	0.0
200.0	16.0	0.0
100.0	14.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	8.0	0.0
3.0	7.0	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)
160	6.0	110.0
260	12.0	110.0
360	24.0	110.0

Comment :

FIELD BLEND

35/6SP0Z/H + 6%D20 + 5%D44(BWOW) + 0.4%D79 + 0.25PPSD29

LOCATION WATER USED

LONG STRING LEAD 4800' POD = 4:07

Schlumberger

Dowell

CemDABE Cement Test Report

June 23, 1996

DATE OF TEST : 23-jun-1996

TEST NUMBER : NPD643900002

CUSTOMER : TEXACO
 FIELD : LEA NM
 WELL : V G S A U 159

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

BASE FLUID

Density : 8.32 lb/gal
 Volume : 4.20 gal/sk
 Type : LO
 Total liquid : 4.20 gal/sk

SLURRY

Density : 16.40 lb/gal
 Yield : 1.06 ft³/sk

B.H.S.T. : 110.0 F

B.H.C.T. : 104.0 F

No additives

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 24.425 \text{ lbf}/100 \text{ ft}^2$ $P_y : 48.203 \text{ cP}$

Correlation coefficient : 0.970

Thickening Time : 5 hr28 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	8.0	0.0
3.0	7.0	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)
800	6.0	110.0
1810	12.0	110.0
2500	24.0	110.0

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

LONG STRING TAIL 4850' POD = 2:17