

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.	30-025-33169
5. Indicate Type of Lease	STATE ☐ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	STATE 'BB'
8. Well No.	3
9. Pool Name or Wildcat	

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A 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>D</u> <u>990</u> Feet From The <u>NORTH</u> Line and <u>330</u> Feet From The <u>WEST</u> Line Section <u>2</u> Township <u>25-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3179'

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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 #348 SPUD 11 INCH HOLE @ 11:30 AM 12-27-95. DRILLED TO 575' TD @ 1015' AT 8:00 AM 12-28-95.
- RAN 23 JOINTS OF 8 5/8", 24#, K-55, STC CASING SET @ 1015'. RAN 7 CENTRALIZERS.
- DOWELL CEMENTED WITH 325 SACKS CLASS C W/ 4% GEL, 2% CACL2 (13.5 PPG, 1.74 CF/S). F/B 200 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S). PLUG DOWN @ 1:15 PM 12-28-95. CIRCULATED 7 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 10:30 PM TO 11:00 PM 12-28-95.
- WOC TIME 9-1/4 HOURS FROM 1:15 PM TO 10:30 PM 12-28-95. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 566 (CU. FT.) TAIL 268 (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: 1033 PSI
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 9-1/4 HOURS.
- DRILLING 7 7/8" HOLE.
- DRILLED 7 7/8" TO 6659'. TD @ 4:45 PM 01-13-95.
- RAN 117 JOINTS OF 5 1/2", 15.5#, K-55 AND 17 JOINTS 5-1/2" OF 17# L-80, LTC CASING SET @ 6650'.
- DOWELL CEMENTED. 1ST STAGE - 300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 500 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). PLUG DOWN @ 10:30 AM. OPEN DV TOOL AND SET PKR. CIR DV TOOL W/ FULL RETURNS. DID NOT CIRC CMT. 2ND STAGE - 700 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 100 SACKS CLASS H NEAT (15.6 PPG, 1.18 CF/S). PLUG DOWN @ 6:30 PM. 01-13-96. DID NOT CIRCULATE CMT.
- ND. RELEASE RIG @ 10:30 PM 01-13-96.
- PREP TO COMPLETE.

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

SIGNATURE C. P. Basham SR TITLE Drilling Operations Mgr. DATE 1/22/96

TYPE OR PRINT NAME C. P. Basham Telephone No. (303)621-4851

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE JAN 26 1996

CONDITIONS OF APPROVAL, IF ANY:

Dowell

CemDABE Cement Test Report

December 28, 1995

DATE OF TEST : 28-dec-1995

TEST NUMBER : NPD510000016

CUSTOMER : TEXACO

FIELD : LEA NM

WEILL : STATE BB 3

BASE FLUID

Density : 8.32 lb/gal

Volume : 9.11 gal/sk

Type : LO

Total liquid : 9.11 gal/sk

CEMENT

Class : C

Blend :

Brand : LONESTAR

Plant : MARYNEAL

SLURRY

Density : 13.50 lb/gal

Yield : 1.74 ft³/sk

B.H.S.T. : 90.0 F

B.H.C.T.: 85.0 F

ADDITIVES		
Code	Concent.	Unit
D020	4.000	% BWOC
S001	2.000	% BWOC

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

$$T_y : 22.418 \text{ lbf}/100 \text{ ft}^2$$
$$P_v : 13.557 \text{ cP}$$

Correlation coefficient : 0.998

Thickening Time : 4 hr 9 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	36.0	0.0
200.0	31.0	0.0
100.0	27.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	14.0	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)
250	6.0	90.0
500	12.0	90.0
800	24.0	90.0

Comment :

FIELD BLEND

CLASS C + 4%D20 + 2%S-1

LOCATION WATER USED

SURFACE LEAD 1000' POD = 2:52

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

December 28, 1995

DATE OF TEST : 28-dec-1995

TEST NUMBER : NPD510000017

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : STATE BB 3

CEMENT

Class : C
Blend :
Brand : LONESTAR
Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
Volume : 6.32 gal/sk
Type : LO
Total liquid : 6.32 gal/sk

SLURRY

Density : 14.80 lb/gal
Yield : 1.32 ft³/sk

B.H.S.T. : 90.0 F

B.H.C.T. : 85.0 F

ADDITIVES		
Code	Concent.	Unit
S001	2.000	% BWOC

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 26.767 \text{ lbf}/100 \text{ ft}^2$ $P_o : 13.557 \text{ cP}$

Correlation coefficient : 0.998

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

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	40.0	0.0
200.0	36.0	0.0
100.0	31.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	17.0	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)
600	6.0	90.0
1400	12.0	90.0
2000	24.0	90.0

Comment :

FIELD BLEND

CLASS C + 2YS-1

LOCATION WATER USED

SURFACE TAIL 1000' POD = 1:05

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

January 12, 1996

DATE OF TEST : 12-jan-1996

TEST NUMBER : NPD603700001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : STATE BB 3

CEMENT

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

BASE FLUID

Density : 8.32 lb/gal
 Volume : 10.35 gal/sk
 Type : LO
 Total liquid : 10.35 gal/sk

SLURRY

Density : 12.80 lb/gal
 Yield : 1.93 ft³/sk

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

B.H.S.T. : 124.0 F

B.H.C.T. : 112.0 F

Rheological model (Dial 1) : Bingham Plastic

 T_y : 27.102 lbf/100ft² P_y : 9.038 cP

Correlation coefficient : 1.000

Thickening Time : 4 hr 1 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	36.0	0.0
200.0	33.0	0.0
100.0	30.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	24.0	0.0
3.0	15.0	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	124.0
250	12.0	124.0
320	24.0	124.0

Comment :

FIELD BLEND

35/65P02/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29

LOCATION WATER USED

LONG STRING 1ST STAGE LEAD 6650' POD = 1:50

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

January 12, 1996

DATE OF TEST : 12-jan-1996

TEST NUMBER : NPD603700004

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : STATE BB 3

CEMENT

Class : H
 Blend : 5050
 Brand : LONESTAR
 Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
 Volume : 6.30 gal/sk
 Type : LO
 Total liquid : 6.30 gal/sk

SLURRY

Density : **15.60** lb/gal
 Yield : 1.35 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	2.000	% BWOC
D029	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 124.0 F
 B.H.C.T. : 112.0 F

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 T_y : 22.083 lbf/100 ft² P_y : 15.063 cP

Correlation coefficient : 1.000

Thickening Time : 3 hr58 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	32.0	0.0
100.0	27.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	18.0	0.0
3.0	16.0	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)
100	6.0	124.0
800	12.0	124.0
1300	24.0	124.0

Comment :

FIELD BLEND

50/50P0Z/H + 2%D20 + 5%D44(BWOW) + 0.25%D29

LOCATION WATER USED

LONG STRING 1ST STAGE TAIL 6650' POD = 2:35

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

January 12, 1996

DATE OF TEST : 12-jan-1996

TEST NUMBER : NPD603700003

CUSTOMER : TEXACO
 FIELD : LEA NM
 WELL : STATE BB 3

CEMENT

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

BASE FLUID

Density : 8.32 lb/gal
 Volume : 10.35 gal/sk
 Type : LO
 Total liquid : 10.35 gal/sk

SLURRY

Density : 12.80 lb/gal
 Yield : 1.93 ft³/sk

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

B.H.S.T. : 108.0 F

B.H.C.T. : 98.0 F

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 32.790 \text{ lbf}/100 \text{ ft}^2$ $P_o : 9.038 \text{ cP}$

Correlation coefficient : 0.982

Thickening Time : 5 hr30 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	42.0	0.0
200.0	38.0	0.0
100.0	36.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	23.0	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)
120	6.0	108.0
240	12.0	108.0
300	24.0	108.0

Comment :

FIELD BLEND

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

LOCATION WATER USED

LONG STRING 2ND STAGE LEAD 3900' POD = 4:35

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

January 12, 1996

DATE OF TEST : 12-jan-1996

TEST NUMBER : NPD603700002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : STATE BB 3

CEMENT

Class : H
 Blend :
 Brand : LONESTAR
 Plant : MARYNEAL

BASE FLUID

Density : 8.32 lb/gal
 Volume : 5.22 gal/sk
 Type : LO
 Total liquid : 5.22 gal/sk

SLURRY

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

B.H.S.T. : 108.0 F

B.H.C.T. : 98.0 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 : 22.083 lb_f/100ft² P_0 : 15.063 cP

Correlation coefficient : 1.000

Thickening Time : 3 hr40 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	32.0	0.0
100.0	27.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	18.0	0.0
3.0	16.0	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)
700	6.0	108.0
1300	12.0	108.0
1800	24.0	108.0

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

LONG STRING 2ND STAGE TAIL POD = 2:10