

Submit 3 copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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.

30-025-33165

5. Indicate Type of Lease

STATE ☐

FEE ☐

6. State Oil / Gas Lease No.

7. Lease Name or Unit Agreement Name

NEW MEXICO 'BZ' STATE NCT-10

8. Well No.

6

9. Pool Name or Wildcat

BRY-TUBB/ABO

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 N 480 Feet From The SOUTH Line and 1650 Feet From The WEST Line
Section 2 Township 25-S Range 37-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3132'

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐ CASING TEST AND CEMENT JOB ☐
OTHER: ☐ 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 @ 2:30 PM 02-15-96. DRILLED TO 1450'. TD @ 6:00 AM 02-17-96.
- RAN 23 JOINTS OF 8 5/8 INCH, 24#, K-55, STC CASING SET @ 1450'. RAN 12 CENTRALIZERS.
- DOWELL CEMENTED WITH 525 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 @ 11:15 AM 02-16-96. CIRCULATED 136 SACKS.
- NU BOP & TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 10:45 PM TO 11:15 PM 02-16-96.
- WOC TIME 11-1/2 HOURS FROM 11:15 AM TO 10:45 PM 02-16-96. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 913 (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: 381 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 11-1/2 HOURS.
- DRILLING 7 7/8 INCH HOLE
- DRILLED 7 7/8 INCH TO 6500'. TD @ 4:30 AM 02-25-96.
- SCHLUMBERGER LOG GR-DLL-MSFL-CNL-LDT-BCS 6500-2300'.
- RAN 48 JOINTS (2130') OF 5 1/2 INCH, 17#, L-80 AND 102 JOINTS OF 5 1/2 INCH 15.5# LTC CASING SET @ 6500'. DV TOOL @ 3930'. RAN 12 CENTRALIZERS.
- DOWELL CEMENTED 1ST STAGE: 160 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 14# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 500 SACKS 50/50 POZ H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). PLUG DOWN @ 2:00 AM 02-27-96. DROP BOMB AND OPEN DV TOOL TO CIRC. CIRC 230 SACKS CMT. OFF DV TOOL.
- 2ND STAGE - 1375 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 @ 9:30 AM 02-27-96. CIRCULATED 347 SACKS.
- ND. RELEASE RIG @ 2:00 PM 02-27-96.
- PREP TO COMPLETE.

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

February 22, 1996

DATE OF TEST : 22-feb-1996

TEST NUMBER : NPD614700001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : NM BZ STATE 6

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

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

 $T_y : 18.737 \text{ lbf}/100 \text{ ft}^2$ $P_y : 12.051 \text{ cP}$

Correlation coefficient : 0.961

Thickening Time : 3 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	30.0	0.0
200.0	28.0	0.0
100.0	22.0	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)
175	6.0	124.0
365	12.0	124.0
654	24.0	124.0

Comment :

FIELD BLEND

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

LOCATION WATER USED

LONG STRING 1ST STAGE LEAD 6500' POD = 2:50

Schlumberger

Dowell

CemDABE Cement Test Report

February 26, 1996

DATE OF TEST : 26-feb-1996

TEST NUMBER : NPD614700004

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : NM BZ ST 6

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 : 14.20 lb/gal
Yield : 1.35 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	2.000	% BWOC
D029	0.280	% 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 : 26.098 lbf/100ft²

P_v : 10.544 cP

Correlation coefficient : 0.971

Thickening Time : 2 hr56 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	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
905	12.0	124.0
1518	24.0	124.0

Comment :

FIELD BLEND

50/50 POZ/H + 2% D20 + 5% D44(BWOW) + 1/4PPS D29

LOCATION WATER USED

LONG STRING 1ST STAGE TAIL 6500' PWD = 2.07



Dowell

CemDABE Cement Test Report

February 23, 1996

DATE OF TEST : 23-feb-1996

TEST NUMBER : NPD614700002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : N M B Z STATE 6

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 : 1.99 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 : 18.737 lb_f/100 ft²

P_y : 12.051 cP

Correlation coefficient : 0.961

Thickening Time : 4 hr29 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	30.0	0.0
200.0	28.0	0.0
100.0	22.0	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)
130	6.0	108.0
250	12.0	108.0
320	24.0	108.0

Comment :

FIELD BLEND

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

LOCATION WATER USED

LONG STRING 2ND STAGE LEAD 4000' PDD = 3:10

Schlumberger

Dowell

CemDABE Cement Test Report

February 23, 1996

DATE OF TEST : 23-feb-1996

TEST NUMBER : NPD614700003

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : NM BZ STATE 6

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. : 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 : 25.094 lbf/100ft²

P_0 : 18.076 cP

Correlation coefficient : 1.000

Thickening Time : 3 hr55 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	43.0	0.0
200.0	37.0	0.0
100.0	31.0	0.0
50.0	0.0	0.0
30.0	0.0	0.0
6.0	17.0	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)
650	6.0	108.0
1250	12.0	108.0
1749	24.0	108.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

LONG STRING 2ND STAGE TAIL 4000'