Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
P.O. Box 1980
Hobbs, NM 8824

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: NM-14331
6. If Indian, Alottee or Tribe Name:
7. If Unit or CA, Agreement Designation:

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER
8. Well Name and Number: BILBREY '30' FEDERAL 5
2. Name of Operator: TEXACO EXPLORATION & PRODUCTION INC.
3. Address and Telephone No.: P.O. Box 2100, Denver Colorado 80201 (303)621-4851
9. API Well No.: 30-025-33647
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter J : 1980 Feet From The SOUTH Line and 1980 Feet From The EAST Line Section 30 Township 21-S Range 32-E
10. Field and Pool, Exploratory Area: LOST TANK DELAWARE
11. County or Parish, State: LEA , NM

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ OTHER: SPUD,SURF, INT,PROD CSG	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*.

1. PETERTSON RIG #2 SPUD 14.750 INCH HOLE @ 5:30 PM 11-30-96. DRILLED TO 800'. TD @ 5:30 AM 12-02-96.
2. RAN 18 JOINTS OF 11.750 INCH, 42#, WC-50, STC CASING SET @ 805'. RAN 6 CENTRALIZERS.
3. DOWELL CEMENTED WITH 500 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.34 CF/S). PLUG DOWN @ 7:30 PM 12-01-96. CIRCULATED 25 SACKS.
4. NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 9:30 AM TO 10:00 AM 12-03-96.
5. WOC TIME 38 HOURS FROM 7:30 PM 12-01-96 TO 9:30 AM 12-03-96.
6. DRILLING 11 INCH HOLE.
7. DRILLED 11 INCH HOLE TO 4380'. TD @ 3:45 PM 12-09-96.
8. RAN 100 JOINTS OF 8 5/8 INCH , 32# WC-50, LTC CASING SET @ 4380'. RAN 10 CENTRALIZERS.
9. DOWELL CEMENTED W/ 1250 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 825 SACKS CLASS H NEAT(15.6 PPG, 1.18 CF/S). PLUG DOWN @ 4:30 AM 12-10-96. CIRCULATED 150 SACKS.
10. NU BOP AND TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 6:00 PM TO 6:30 PM 12-10-96.
11. WOC TIME 13-1/2 HOURS FROM 4:30 AM 12-10-96 TO 6:00 PM 12-10-96.
12. DRILLING 7 7/8 INCH HOLE.
13. DRILLED 7 7/8 INCH HOLE TO 8916'. TD @ 2:45 AM 12-18-96.
14. RU SCHLUMBERGER. RAN GR-DLL-MSFL-SONIC AND GR-DSN-SDL-SGR-CAL FROM 8895' TO 4364'. PULLED GR-DSN TO SURFACE.
15. RAN 56 JOINTS (2448') OF 5 1/2 INCH, 17#, L-80 AND 147 JOINTS (6471') OF5 1/2", 17# WC-50, W/DV TOOL @ 5552'.
16. DOWELL CEMENTED: 585 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 @ 5:00 PM 12-20-96. DID NOT CIRCULATE CMT.
17. ND. RELEASE RIG @ 9:00 PM 12-20-96.
18. PREP TO COMPLETE.

14. I hereby certify that the foregoing is true and correct

SIGNATURE C.P. Basham/SRH TITLE Eng. Assistant. DATE 1/3/97

TYPE OR PRINT NAME Sheilla D. Reed-High

(This space for Federal or State office use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: TITLE DATE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DeSoto/Nichols 10-94 ver 2.0

Schlumberger
Dowell

CemDABE Cement Test Report

December 7, 1996
DATE OF TEST : 06-dec-1996

TEST NUMBER : NPD688500001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : BILBRY FEDERAL 30 5

BASE FLUID
Density : 8.32 lb/gal
Volume : 11.95 gal/sk
Type : LO
Total liquid : 11.95 gal/sk

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

SLURRY
Density : 12.40 lb/gal
Yield : 2.40 ft^3/sk

B.H.S.T. : 106.0 F
B.H.C.T. : 100.0 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 data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	11.0	0.0
200.0	9.0	0.0
100.0	8.0	0.0
60.0	8.0	0.0
30.0	6.0	0.0
6.0	5.0	0.0
3.0	5.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Rheological model (Dial 1) : Bingham Plastic
T_y : 6.934 $lbf/100ft^2$
P_v : 3.820 cP
Correlation coefficient : 0.964

Thickening Time : 14 hr48 mn to 70 BC
API Schedule :
Set condition :
Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
70	6.0	106.0
280	12.0	106.0
444	12.0	106.0

Comment :

FIELD BLEND
35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25%D29
LOCATION WATER USED
INTERMEDIATE LEAD 4400' POD = 7:37

Schlumberger
Dowell

CemDABE Cement Test Report

December 6, 1996
DATE OF TEST : 06-dec-1996

TEST NUMBER : NPD688500002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : BILBRY FEDERAL 30 5

BASE FLUID
Density : 8.32 lb/gal
Volume : 5.20 gal/sk
Type : LO
Total liquid : 5.20 gal/sk

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

SLURRY
Density : **15.60** lb/gal
Yield : 1.18 ft^3/sk

B.H.S.T. : 106.0 F
B.H.C.T. : 100.0 F

No additives

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	46.0	0.0
200.0	39.0	0.0
100.0	35.0	0.0
60.0	29.0	0.0
30.0	26.0	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		

Rheological model (Dial 1) : Bingham Plastic
T_y : 26.627 $lbf/100ft^2$
P_v : 19.578 cP
Correlation coefficient : 0.979

Thickening Time : 5 hr41 mn to 70 BC
API Schedule :
Set condition :
Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
400	6.0	106.0
1250	12.0	106.0
1856	24.0	106.0

Comment :

FIELD BLEND
CLASS H NEAT
LOCATION WATER USED
INTERMEDIATE TAIL 4400'

Schlumberger

Dowell

CemDABE Cement Test Report

December 13, 1996
DATE OF TEST : 13-dec-1996

TEST NUMBER : NPD690700001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : BILBRY FED 30 5

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

ADDITIVES		
Code	Concent.	Unit
D013	0.250	% BWOC
D020	2.000	% BWOC
D029	0.250	% BWOC
D044	5.000	% BWOW

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

SLURRY
Density : **14.20** lb/gal
Yield : 1.35 ft^3/sk

B.H.S.T. : 125.0 F
B.H.C.T. : 114.0 F

Rheometer type : Fann 35
Spring factor : 1.0
Bob No : 1
Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic
T_y : 21.414 $lbf/100ft^2$
P_v : 7.532 cP
Correlation coefficient : 0.993

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	29.0	0.0
200.0	26.0	0.0
100.0	24.0	0.0
60.0	22.0	0.0
30.0	21.0	0.0
6.0	20.0	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		

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

Cornpressive strength		
PSI	Hours	Temp. (F)
110	6.0	125.0
800	12.0	125.0
1400	24.0	125.0

Comment :

FIELD BLEND
50/50POZ/H + 2%D20 + 5%D44(BWOW) + 0.25%D13 + 0.25%D29
LOCATION WATER USED
LONG STRING 1ST STAGE 8850' POD = 3:30

Schlumberger

Dowell

CemDABE Cement Test Report

December 14, 1996
DATE OF TEST : 14-dec-1996

TEST NUMBER : NPD690700002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : BILBREY FED 30 5

BASE FLUID
Density : 8.32 lb/gal
Volume : 11.95 gal/sk
Type : LO
Total liquid : 11.95 gal/sk

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

SLURRY
Density : **12.40** lb/gal
Yield : 2.14 ft^3/sk

B.H.S.T. : 107.0 F
B.H.C.T. : 105.0 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 : 7.415 $lbf/100ft^2$
P_v : 7.886 cP
Correlation coefficient : 0.997

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	15.0	0.0
200.0	13.0	0.0
100.0	10.0	0.0
60.0	9.0	0.0
30.0	8.0	0.0
6.0	6.0	0.0
3.0	5.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Thickening Time : 12 hr 7 mn to 70 BC
API Schedule :
Set condition :
Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
150	6.0	107.0
260	12.0	107.0
370	24.0	107.0

Comment :

FIELD BLEND
35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29
LOCATION WATER USED
LONG STRING 2ND STAGE LEAD 5500' POD = 11:35

Schlumberger
Dowell

CemDABE Cement Test Report

December 14, 1996
DATE OF TEST : 14-dec-1996

TEST NUMBER : NPD690700003

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : BILBREY FED 30 5

BASE FLUID
Density : 8.32 lb/gal
Volume : 5.20 gal/sk
Type : LO
Total liquid : 5.20 gal/sk

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

SLURRY
Density : **15.60** lb/gal
Yield : 1.18 ft^3/sk

B.H.S.T. : 107.0 F
B.H.C.T. : 105.0 F

No additives

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	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		

Rheological model (Dial 1) : Bingham Plastic
T_y : 29.109 $lbf/100ft^2$
P_v : 16.570 cP
Correlation coefficient : 0.988

Thickening Time : 4 hr38 mn to 70 BC
API Schedule :
Set condition :
Consistometer serial number :

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
510	6.0	107.0
1115	12.0	107.0
1525	24.0	107.0

Comment :

FIELD BLEND
CLASS H-NEAT
LOCATION WATER USED
LONG STRING 2ND STAGE TAIL 5500' POD = 3:45