Submit 3 copies to Appropriate District Office

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO. 30-025-33638
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil / Gas Lease No.

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 PERMI (FORM C-101) FOR SUCH PROPOSALS.

7. Lease Name or Unit Agreement Name: NORTH VACUUM ABO WEST UNIT

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator: TEXACO EXPLORATION & PRODUCTION INC.

8. Well No. 27

3. Address of Operator: P.O. Box 2100, Denver Colorado 80201

9. Pool Name or Wildcat

4. Well Location

Unit Letter K : 2080 Feet From The SOUTH Line and 2080 Feet From The WEST Line

Section 27 Township 17-S Range 34-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT,GR, etc.) 4043

11. 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.

1. NABORS RIG #14 SPUD 11 INCH HOLE @ 11:00 AM 02-02-97. DRILLED TO 1630'. TD @ 5:15 PM 02-03-97.
2. RAN 36 JOINTS OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1630'. RAN 10 CENTRALIZERS.
3. DOWELL CEMENTED WITH 500 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, 1.34 CF/S). PLUG DOWN @ 7:30 AM 02-04-97. CIRCULATED 148 SACKS.
4. NU BOP & TESTED TO 3000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 3:30 AM TO 4:00 AM 02-06-97.
5. WOC TIME 44 HOURS FROM 7:30 AM 02-04-97 TO 3:30 AM 02-06-97.
6. DRILLING 7 7/8 INCH HOLE.
7. DRILLED 7 7/8 INCH HOLE TO 8850'. TD @ 8:00 AM 02-24-97.
8. RU SCHLUMBERGER. RU PLATFORM EXPRESS - BHC/SONIC AND NGT - LOGGERS DEPTH 8835'.
8. RAN 209 JOINTS OF 5 1/2 INCH, 17#, L-80, LTC CASING SET @ 8850'.
9. DOWELL CEMENTED: 1987 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 PM 02-26-97. CIRCULATED 165 SACKS.
10. ND. RELEASE RIG @ 6:00 AM 03-19 -97.
11. 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 3/31/97

TYPE OR PRINT NAME Sheilla D. Reed-High Telephone No. (303)621-4851

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: ____TITLE_____DATE APR 10 1997

DeSoto/Nichols 10-94 ver 2.0

Schlumberger
Dowell

CemDABE Cement Test Report

February 24, 1997
DATE OF TEST : 24-feb-1997

TEST NUMBER : NPD713800001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : N VAC ABO WEST 27

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. : 131.0 F
B.H.C.T. : 114.0 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	7.0	0.0
60.0	6.0	0.0
30.0	5.0	0.0
6.0	5.0	0.0
3.0	3.0	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 : 4.632 $lbf/100ft^2$
P_v : 6.517 cP
Correlation coefficient : 0.997

Thickening Time : 9 hr24 mn to 70 BC
API Schedule : 5G1
Set condition : M
Consistometer serial number : 606

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
122	6.0	131.0
245	12.0	131.0
309	24.0	131.0

Comment :

FIELD BLEND
35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29
LOCATION WATER USED
LONG STRING LEAD 8600' POD = 2:52

Schlumberger
Dowell

CemDABE Cement Test Report

February 24, 1997
DATE OF TEST : 24-feb-1997

TEST NUMBER : NPD713800002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : N VAC ABO WEST 27

BASE FLUID
Density : 8.32 lb/gal
Volume : 5.25 gal/sk
Type : LO
Total liquid : 5.25 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. : 131.0 F
B.H.C.T. : 114.0 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	43.0	0.0
200.0	37.0	0.0
100.0	31.0	0.0
60.0	25.0	0.0
30.0	21.0	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		

Rheological model (Dial 1) : Bingham Plastic
T_y : 22.387 $lbf/100ft^2$
P_v : 21.358 cP
Correlation coefficient : 0.984

Thickening Time : 4 hr 5 mn to 70 BC
API Schedule :
Set condition : M
Consistometer serial number : 606

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
630	6.0	131.0
1239	12.0	131.0
1749	24.0	131.0

Comment :

FIELD BLEND
CLASS H-NEAT
LOCATION WATER USED
LONG STRING TAIL 8600' POD = 3:15

Schlumberger

Dowell

CemDABE Cement Test Report

February 25, 1997
DATE OF TEST : 25-feb-1997

TEST NUMBER : NPD714300001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : N VAC ABO WEST 27

BASE FLUID
Density : 8.32 lb/gal
Volume : 3.35 gal/sk
Type : LO
Total liquid : 3.40 gal/sk

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

SLURRY
Density : **17.50** lb/gal
Yield : 0.94 ft^3/sk

B.H.S.T. : 127.0 F
B.H.C.T. : 108.0 F

ADDITIVES		
Code	Concent.	Unit
D013	0.300	% BWOC
D047	0.050	GAL/SK
D065	0.500	% BWOC

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

Rheological model (Dial 1) : Bingham Plastic
T_y : 4.461 $lbf/100ft^2$
P_v : 171.060 cP
Correlation coefficient : 1.000

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	175.0	0.0
200.0	118.0	0.0
100.0	61.0	0.0
60.0	38.0	0.0
30.0	21.0	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		

Thickening Time : 2 hr15 mn to 70 BC
API Schedule : S16
Set condition : CR
Consistometer serial number : 606

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
0	0.0	127.0
0	0.0	0.0
0	0.0	0.0

Comment :

```
FIELD BLEND
H + 0.5%D65 + 0.3%D13 + 0.05PPSD47
LOCATION WATER USED
PLUG  8850'  PDD = 1:58
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Schlumberger
Dowell

CemDABE Cement Test Report

March 1, 1997
DATE OF TEST : 01-mar-1997

TEST NUMBER : NPD715400001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : NM R STATE NCT 1 6

BASE FLUID
Density : 8.32 lb/gal
Volume : 4.13 gal/sk
Type : TP
Total liquid : 5.35 gal/sk

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

SLURRY
Density : **15.60** lb/gal
Yield : 1.19 ft^3/sk

B.H.S.T. : 116.0 F
B.H.C.T. : 102.0 F

ADDITIVES		
Code	Concent.	Unit
D153	0.200	% BWOC
D600	1.000	GAL/SK
D604AM	0.200	GAL/SK
M045	0.020	GAL/SK

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

Rheological model (Dial 1) : Bingham Plastic
T_y : 4.684 $lbf/100ft^2$
P_v : 21.089 cP
Correlation coefficient : 0.950

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	27.0	0.0
200.0	16.0	0.0
100.0	13.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	4.0	0.0
3.0	3.0	0.0
0.0	0.0	0.0
0.0	0.0	0.0
10 minutes Gel : 0.0		

Thickening Time : 3 hr32 mn to 70 BC
API Schedule : 5G2
Set condition : CS
Consistometer serial number : 606

No Fluid Loss data available

No Free Water data available

Compressive strength		
PSI	Hours	Temp. (F)
0	0.0	116.0
0	0.0	0.0
0	0.0	0.0

Comment :

PILOT TEST MIXED @ 2000 RPM FOR 30 MINS; THEN 4000 RPM FOR 30 MINS
CLASS H + 0.2% D153 + 1GPS D600 + 0.2GPS D604AM + 0.02GPS M45
FLUIDS FROM THE FIELD BATCH MIX TIME NOT INCLUDED IN THICKENING TIME
COIL TUBING PLUG 8500' POD = 2:42