

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.	30-025-33328
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	V. M. HENDERSON
8. Well No.	15
9. Pool Name or Wildcat	PADDOCK
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3487'

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.	
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 G : 1650 Feet From The NORTH Line and 1650 Feet From The EAST Line Section 30 Township 21-S Range 37-E NMPM LEA COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3487'

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 #348 SPUD 11 INCH HOLE @ 3:00 PM 05-04-96. DRILLED TO 1155'. TD @ 2:30 AM 05-05-96.
- RAN 27 JOINTS OF 8 5/8 INCH, 24#, WC-50 8RD, STC CASING SET @ 1155'. RAN 6 CENTRALIZERS.
- DOWELL CEMENTED WITH 400 SACKS CLASS C W/ 2% GEL, 2% CACL2 (14.2 PPG, 1.50 CF/S). F/B 100 SACKS CLASS C W/ 2% CACL2 (14.8 PPG, 1.32 CF/S). PLUG DOWN @ 8:25 AM 05-05-96. CIRCULATED 159 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 500# FOR 30 MINUTES FROM 9:30 PM TO 10:00 PM 05-05-96.
- WOC TIME 13 HOURS 5 MINUTES FROM 8:25 AM TO 9:30 PM 05-05-96. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 600 (CU. FT.), TAIL 132 (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: 1503 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 13 HOURS AND 5 MINUTES.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 6100'. TD @ 3:00 AM 05-13-96.
- RU SCHLUMBERGER. RAN SONIC-PLEXP-ALL-NGT FROM 6088'-4000'. CNL-GR 6088'-200'.
- RAN 37 JTS(1640') OF 5 1/2", 17#, N-80 LTC AND 103 JTS(4460') OF 15.5# WC-50 LTC, LTC CSG SET @ 5100'. DV TOOL @ 4030'.
- DOWELL CEMENTED: 1ST STAGE -400 SKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FLOCELE(14.2 PPG, 1.35 CF/S)W/ FOAMED 100 BBLs MUD W/200 SCF NITROGEN AHEAD OF CMT. OPENED DV. CIRCULATED 76 SACKS. 2ND STAGE-875 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 @ 6:00 PM 05-14-96. CIRCULATED 95 SACKS.
- ND. RELEASE RIG @ 12:15 AM 05-15-96.
- 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 /SR TITLE Eng. Assistant.

DATE 5/21/96

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

MAY 28 1996

File No.: _____

Report Date: _____

Operator: Texaco

Requested By: _____

Lease No: V.M. HENDERSON #15Service Point: Holbi NMLocation: LEA NMType of Job: Surface

Test Conditions:

Depth: 1150 ft. Temp Grad _____ BHST: 90 °F, BHCT: 85 °F

Properties:	Density (ppg)	Yield (cu ft/sk)	Mix Water (gal/sk)	Total Liquid (gal/sk)	Water Source	Cement Source
System No. 1	<u>14.2</u>	<u>1.5</u>	<u>7.45</u>	<u>7.45</u>	<u>LOC</u>	<u>C</u>
System No. 2	<u>14.8</u>	<u>1.32</u>	<u>6.32</u>	<u>6.32</u>	<u>LOC</u>	<u>C</u>
System No. 3						
System No. 4						

Cement System Compositions:

System No. 1 C + 2 7.51 + 27 D 20System No. 2 C + 2 7.51

System No. 3 _____

System No. 4 _____

Thickening Time Results

Rheology Results

SYSTEM	HR:MIN	BC	300	200	100	60	30	6	3	PV or n'	Ty or k'	REHOLOGY MODEL	I.O.D.
No. 1	<u>2:53</u>	<u>70</u>	<u>34</u>	<u>31</u>	<u>26</u>			<u>17</u>	<u>16</u>				
No. 2	<u>1:47</u>	<u>70</u>	<u>49</u>	<u>44</u>	<u>40</u>			<u>24</u>	<u>14</u>				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	<u>90 °F</u>	<u>425</u>	<u>875</u>	<u>1325</u>
No. 1	°F			
No. 2	<u>90 °F</u>	<u>1050</u>	<u>1390</u>	<u>1750</u>
No. 2	°F			
No. 3	°F			
No. 3	°F			
No. 4	°F			
No. 4	°F			

FLUID LOSS

FREE WATER

SYSTEM	°F, _____ psi	°F
	mL/30 min	mL
No. 1		
No. 2		
No. 3		
No. 4		

Remarks: Prevent Data

Chemist: _____

PST

Schlumberger

Dowell

CemDABE Cement Test Report

May 15, 1996

DATE OF TEST : 11-may-1996

TEST NUMBER : NPD633700002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : V M HENDERSON 15

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	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 116.0 F
B.H.C.T. : 109.0 F

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

Rheological model (Dial 1) : Bingham Plastic

T_y : 15.391 lbf/100ft²

P_o : 12.051 cP

Correlation coefficient : 0.990

Thickening Time : 4 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	27.0	0.0
200.0	24.0	0.0
100.0	19.0	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)
100	6.0	116.0
800	12.0	116.0
1400	24.0	116.0

Comment :

FIELD BLEND

50/50POZ/H + 2%D20 + 5%D44(BWOW) + 0.25PPSD29

LOCATION WATER USED

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

May 11, 1996

DATE OF TEST : 11-may-1996

TEST NUMBER : NPD633700003

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : V M HENDERSON

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. : 104.0 F

B.H.C.T. : 97.0 F

No additives

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 29.779 \text{ lbf}/100 \text{ ft}^2$ $P_o : 18.076 \text{ cP}$

Correlation coefficient : 0.995

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

Rheological data		
Temp. (F) :	75.0	0.0
R.P.M.	Dial 1	Dial 2
300.0	48.0	0.0
200.0	41.0	0.0
100.0	36.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	25.0	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)
250	6.0	104.0
1400	12.0	104.0
2100	24.0	104.0

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

LONG STRING 2ND STRING TAIL 4000' PDD = 2:48

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

May 11, 1996

DATE OF TEST : 11-may-1996

TEST NUMBER : NPD633700001

CUSTOMER : TEXACO

FIELD : LEA NM

WELL : V M HENDERSON 15

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 : 1.93 ft³/sk

B.H.S.T. : 104.0 F

B.H.C.T. : 97.0 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

 $T_y : 24.760 \text{ lbf}/100 \text{ ft}^2$ $P_o : 12.051 \text{ cP}$

Correlation coefficient : 0.990

Thickening Time : 8 hr22 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	29.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	19.0	0.0
3.0	17.0	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)
200	6.0	104.0
340	12.0	104.0
450	24.0	104.0

Comment :

FIELD BLEND

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

LOCATION WATER USED

LONG STRING 2ST STAGE LEAD 4000' POD = 4:25