

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. <u>30-025-33569</u> 30-015-29284
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil / Gas Lease No.
7. Lease Name or Unit Agreement Name NEW MEXICO 'O' STATE NCT-1
8. Well No. <u>39</u>
9. Pool Name or Wildcat

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 2100, Denver Colorado 80201	
4. Well Location Unit Letter <u>G</u> : <u>2075</u> Feet From The <u>NORTH</u> Line and <u>2110</u> Feet From The <u>EAST</u> Line Section <u>36</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>3997'</u>	

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, INTERM 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 #142 SPUD 14.75 INCH HOLE @ 6:00 PM 12-31-97. DRILLED TO 1480'. TD @ 3:00 PM 01-02-97.
- RAN 34 JOINTS OF 11 3/4 INCH, 42#, WC-50, STC CASING SET @ 1480. RAN 10 CENTRALIZERS.
- DOWELL CEMENTED WITH 600 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 @ 7:30 AM 01-03-97. CIRCULATED 135 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 3:15 PM TO 3:45 PM 01-04-97.
- WOC TIME 31 HOURS AND 45 MINUTES FROM 7:30 AM 01-03-97 TO 3:15 PM 01-04-97.
- DRILLING 11 INCH HOLE.
- DRILLED 11 INCH HOLE TO 5310'. TD @ 8:00 PM 01-12-97.
- RAN 3 JOINTS OF 8 5/8 INCH, 32#, FS-80 AND 21 JOINTS OF 8 5/8 INCH, 32#, M-80, AND 105 JOINTS OF 8 5/8 INCH, 32#, K-55, LTC CASING SET @ 5310'. RAN 10 CENTRALIZERS.
- DOWELL CEMENTED W/ 1300 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 W/ NEAT (15.6 PPG, 1.18 CF/S). PLUG DOWN @ 5:45 PM 01-13-97. DID NOT CIRCULATE CEMENT TO SURFACE.
- NU BOP AND TESTED TO 1500#. TESTED CASING TO 1500# FOR 30 MINUTES FROM 1:00 PM TO 1:30 PM 01-15-97.
- RAN TEMP SURVEY, TOC @ 90'.
- WOC TIME 43-1/4 HOURS FROM 5:45 PM 01-13-97 TO 1:00 PM 01-15-97.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 10300'. TD @ 8:00 PM 01-28-97.
- SCHLUMBERGER LOG PLATFORM EXP, 10300-5309', GR-CNL TO SURF, FMI 10100-9100'.
- RAN 230 JOINTS OF 5 1/2 INCH, 17#, L-80, LTC CASING SET @ 10300'. DV TOOL @ 8036'.
- DOWELL CEMENTED: 1ST STAGE - 700 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). W/ 92 BBLS OF 232 BBLS DISPLACEMENT GONE. CMT BRIDGED OFF. F/B 300 SACKS CLASS H W/ 2% CACL (15.6 PPG, 1.19 CF/S). PLUG DOWN @ 2:30 AM 01-31-97.
- ND. RELEASE RIG @ 10:00 AM 01-31-97.

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

SIGNATURE C. P. Basham/SETH TITLE Eng. Assistant.

DATE 2/6/97

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



CEMENTING REPORT

File No.: _____

Report Date: _____

Operator: Texasco Requested By: _____Lease No: NM "O" State #39 Service Point: HNLLocation: La NM Type of Job: Surface

Test Conditions:

Depth: 1500 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>13.5</u>	<u>1.74</u>	<u>9.11</u>	<u>9.11</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 + 4? D20 + 27.51System No. 2 C + 27.51

System No. 3 _____

System No. 4 _____

Thickening Time Results

Rheology Results

SYSTEM	HR-MIN	BC	300	200	100	60	30	5	3	PV or n'	Ty or K'	RHEOLOGY MODEL	I.O.D.
No. 1	<u>3:00</u>	<u>70</u>	<u>36</u>	<u>31</u>	<u>27</u>			<u>14</u>	<u>12</u>				
No. 2	<u>2:00</u>	<u>70</u>	<u>40</u>	<u>36</u>	<u>31</u>			<u>17</u>	<u>14</u>				
No. 3													
No. 4													

Compressive Strengths - psi

FLUID LOSS

FREE WATER

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	<u>90 °F</u>	<u>250</u>	<u>500</u>	<u>800</u>
No. 1	°F			
No. 2	<u>90 °F</u>	<u>600</u>	<u>1400</u>	<u>2000</u>
No. 2	°F			
No. 3	°F			
No. 3	°F			
No. 4	°F			
No. 4	°F			

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

Remarks: Pressure Data

Chemist: _____

Schlumberger
Dowell

CemDABE Cement Test Report

January 8, 1997
DATE OF TEST : 08-jan-1997

TEST NUMBER : NPD701700001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : NM O STATE 39

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

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

SLURRY
Density : 12.40 lb/gal
Yield : 2.14 ft³/sk

B.H.S.T. : 112.0 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
 $T_y : 9.168 \text{ lbf}/100 \text{ ft}^2$
 $P_v : 8.877 \text{ cP}$
Correlation coefficient : 1.000

Thickening Time : 10 hr12 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	18.0	0.0
200.0	15.0	0.0
100.0	12.0	0.0
60.0	11.0	0.0
30.0	10.0	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		

Compressive strength		
PSI	Hours	Temp. (F)
122	6.0	112.0
245	12.0	112.0
309	24.0	112.0

Comment :

FIELD BLEND
35/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29
LOCATION WATER USED
LONG STRING LEAD 5300' POD = 3:34

Schlumberger

Dowell

CemDABE Cement Test Report

January 8, 1997

DATE OF TEST : 08-jan-1997

TEST NUMBER : NPD701700002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : NM O STATE 39

CEMENT
Class : HG
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. : 112.0 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 model (Dial 1) : Bingham Plastic

T_y : 20.745 lbf/100ft²

P_o : 49.709 cP

Correlation coefficient : 1.000

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	70.0	0.0
200.0	54.0	0.0
100.0	37.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	16.0	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)
630	6.0	112.0
1239	12.0	112.0
1749	24.0	112.0

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

LONG STRING TAIL 5300' POD =4:25