

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.	30-025-33490
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	LC-032715
7. Lease Name or Unit Agreement Name	COOPER JAL UNIT
8. Well No.	422
9. Pool Name or Wildcat	JALMAT / LANGUE MATTIX

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>N</u> : <u>125</u> Feet From The <u>SOUTH</u> Line and <u>1275</u> Feet From The <u>WEST</u> Line Section <u>19</u> Township <u>24-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	GR-3276

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.

1. NABORS RIG SPUD 12 1/4 INCH HOLE @ 7:00 PM 08-03-96. DRILLED TO 425' TD @ 11:00 PM 08-03-96.
2. RAN 10 JOINTS OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 425'. RAN 4 CENTRALIZERS.
3. DOWELL CEMENTED WITH 250 SACKS CLASS C W/ 2 CACL2 (14.8 PPG, 1.32 CF/S). PLUG DOWN @ 3:30 AM 08-04-96. CIRCULATED 64 SACKS.
4. NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 6:30 PM TO 7:00 PM 08-04-96.
5. WOC TIME 15 HOURS FROM 3:30 AM TO 6:30 PM 08-04-96. REQUIREMENTS OF RULE 107, OPTION 2:
 1. VOLUME OF CEMENT SLURRY: LEAD 330 (CU. FT.)
 2. APPROX. TEMPERATURE OF SLURRY WHEN MIXED: 50 F.
 3. EST. FORMATION TEMPERATURE IN ZONE OF INTEREST: 90 F.
 4. EST. CEMENT STRENGTH AT TIME OF CASING TEST: 1780 PSI.
 5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 15 HOURS.
6. DRILLING 7 7/8 INCH HOLE.
7. DRILLED 7 7/8 INCH HOLE TO 3800'. TD @ 4:30 AM 08-08-96.
8. SCHLUMBERGER RAN PE-DLL-NGT-BHC 3792'-2750', PE-CNL-LDT 3782' TO SURFACE.
9. RAN 91 JOINTS OF 5 1/2 INCH, 15.5#, WC-50, LTC CASING SET @ 3819'.
10. DOWELL CEMENTED: 600 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 350 SACKS CLASS H NEAT (15.6 PPG, 1.18 CF/S). PLUG DOWN @ 10:45 PM 08-08-96. CIRCULATED 87 SACKS.
11. ND. RELEASE RIG @ 4:00 AM 08-09-96.
12. PREP TO COMPLETE.

DEC 23 '96

O. C. D.
ARTESIA, OFFICE

DEC 5 9 37 AM '96

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

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

DATE 8/15/96

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





CEMENTING REPORT

File No.: _____ Report Date: _____

Operator: TEXACO Requested By: _____Lease No: Cooper Jct 426 Service Point: HMMLocation: Lea NM Type of Job: SURF

Test Conditions:

Depth: 100 ft. Temp Grad: _____ SHST: 90 °F, SHCT: 85 °F

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

Cement System Compositions:

System No. 1: CLASS C + 2% S-1

System No. 2: _____

System No. 3: _____

System No. 4: _____

Thickening Time Results

Rheology Results

SYSTEM	HR:MIN	30	200	200	100	60	30	1	2	Plastic	Yield	RHEOLOGY MODEL	LOG
No. 1	<u>2:00</u>	<u>70</u>	<u>37</u>	<u>31</u>	<u>27</u>	<u>22</u>	<u>20</u>	<u>17</u>	<u>14</u>				
No. 2													
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	24 HRS.
No. 1	<u>90 °F</u>	<u>610</u>	<u>1390</u>	<u>1875</u>
No. 1	<u>°F</u>			
No. 2	<u>°F</u>			
No. 2	<u>°F</u>			
No. 3	<u>°F</u>			
No. 3	<u>°F</u>			
No. 4	<u>°F</u>			
No. 4	<u>°F</u>			

FLUID LOSS

FREE WATER

SYSTEM	°F	PSI	°F
No. 1			
No. 2			
No. 3			
No. 4			

Remarks: Previous Job

Chemist: _____



Schlumberger

Dowell

CemDABE Cement Test Report

August 9, 1996

DATE OF TEST : 09-aug-1996

TEST NUMBER : NPD655300001

CUSTOMER : TEXACO
 FIELD : LEA NM
 WELL : COOPER JAL 422

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	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 108.0 F

B.H.C.T. : 98.0 F

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 13.584 \text{ lbf}/100\text{ft}^2$ $P_0 : 11.808 \text{ cP}$

Correlation coefficient : 0.994

Thickening Time : 8 hr32 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

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	25.0	0.0
200.0	22.0	0.0
100.0	17.0	0.0
60.0	16.0	0.0
30.0	14.0	0.0
6.0	13.0	0.0
3.0	11.0	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)
125	6.0	108.0
225	12.0	108.0
320	24.0	108.0

Comment :

FIELD BLEND

35/65P0Z/H + 6%D20 + 5%D44 + 0.25PPSD29

LOCATION WATER USED

LONG STRING LEAD 3800' POD = 4:50

Schlumberger

Dowell

CemDABE Cement Test Report

August 12, 1996

DATE OF TEST : 12-aug-1996

TEST NUMBER : NPD655300002

CUSTOMER : TEXACO
 FIELD : LEA NM
 WELL : COOPER JAL 422

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

BASE FLUID

Density : 8.32 lb/gal
 Volume : 5.20 gal/sk
 Type : L.O
 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

Rheological model (Dial 1) : Bingham Plastic

 T_y : 18.464 lbf/100ft² P_y : 51.096 cP

Correlation coefficient : 0.993

Thickening Time : 5 hr27 mn to 70 BC

API Schedule :

Set condition :

Consistometer serial number :

No Fluid Loss data available

No Free Water data available

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	67.0	0.0
200.0	56.0	0.0
100.0	35.0	0.0
60.0	29.0	0.0
30.0	22.0	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)
612	6.0	108.0
1180	12.0	108.0
1712	24.0	108.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

LONG STRING TAIL 3800' POD = 4:07

