

Submit 3 copies
to Appropriate
District Office

State of New Mexico

Ene. 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.	30-025-33533
5. Indicate Type of Lease	STATE ☒ FEE ☒
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	UNITED ROYALTY 'A'
8. Well No.	5
9. Pool Name or Wildcat	ELLENBURGER
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3183'

SUNDY 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 PERMITS 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>F</u> : <u>1980</u> Feet From The <u>NORTH</u> Line and <u>1980</u> Feet From The <u>WEST</u> Line Section <u>19</u> Township <u>24-S</u> Range <u>38-E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3183'

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: ☐	PRODUCTION 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. DRILLED 7 7/8 INCH HOLE TO 11,307'. TD @ 4:15 AM 11-09-96.
2. RU SCHLUMBERGER. RAN LDI-CNL-NGT-BHC SONIC-DLL.
3. RAN 259 JOINTS OF 5 1/2 INCH, 17#, WC-50, LTC CASING SET @ 11,322.54'.
4. DOWELL CEMENTED: 1ST STAGE - 2000 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT, 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). CIRCULATED 40 SACKS. 2ND STAGE - 815 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 400 SACKS 50/50 POZ CLASS H W/2% GEL, 5% SALT 1/4# FLOCELE (14.2 PPG, 1.35 CF/S). PLUG DOWN @ 12:03 PM 11-19-96. CIRCULATED 92 SACKS.
5. ND. RELEASE RIG @ 7:00 PM 11-18-96.
6. 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 TITLE Eng. Assistant.

DATE 11/20/96

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

NOV 25 1996
DeSoto/Nichols 10-94 ver 2.0



Dowell

ComDABE Cement Test Report

November 9, 1996

DATE OF TEST : 09-nov-1996

TEST NUMBER : NPD677300003

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : UNITED ROYALTY A 5

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 ft²/sk

ADDITIVES		
Code	Concent.	Unit
D020	6.000	% BWOC
D029	0.250	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 125.0 F

B.H.C.T. : 112.0 F

Rheological model (Dial 1) : Bingham Plastic

T_y : 11.376 lb_f/100ft²

P_v : 9.038 cP

Correlation coefficient : 0.982

Thickening Time : 7 hr28 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	20.0	0.0
200.0	18.0	0.0
100.0	14.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	10.0	0.0
3.0	9.0	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)
50	6.0	125.0
385	12.0	125.0
790	24.0	125.0

Comment :

FIELD BLEND

35/65PD2/R + 6%D20 + 5%D44(BWOW) + 0.25PPSD29

LOCATION WATER USED

LONG STRING 2ND STAGE LEAD 7400' POD = 4:25



CemDABE Cement Test Report

November 6, 1996

DATE OF TEST : 06-nov-1996

TEST NUMBER : NPD677300002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : UNITED ROYALTY A5

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

BASE FLUID

Density : 8.32 lb/gal
Volume : 6.19 gal/sk
Type : LO
Total liquid : 6.19 gal/sk

SLURRY

Density : 14.20 lb/gal
Yield : 1.34 ft³/sk

ADDITIVES		
Code	Concent.	Unit
D020	2.000	% BWOC
D029	0.260	% BWOC
D044	5.000	% BWOW
D800	0.400	% BWOC

B.H.S.T. : 175.0 F

B.H.C.T. : 142.0 F

Rheological model (Dial 1) : Bingham Plastic

T_y : 10.707 lbf/100ft²

P_y : 21.089 cP

Correlation coefficient : 0.997

Thickening Time : 3 hr29 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	32.0	0.0
200.0	24.0	0.0
100.0	18.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	12.0	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)
145	6.0	175.0
835	12.0	175.0
1636	24.0	175.0

Comment :

FIELD BLEND

50/50 FOZ/H + 2% D20 + 5% D44 (BWOW) + 0.4% D800 + 0.25PPS D29

LOCATION WATER USED

LONG STRING 11500' 1ST STAGE POD = 2:26



Dowell

CemDABE Cement Test Report

November 19, 1996

DATE OF TEST : 04-nov-1996

TEST NUMBER : NPD677300001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : UNITED ROYALTY A 5

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. : 125.0 F
B.H.C.T. : 112.0 F

Rheological model (Dial 1) : Bingham Plastic

T_y : 10.038 lbf/100ft²

P_v : 18.076 cP

Correlation coefficient : 1.000

Thickening Time : 6 hr12 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	28.0	0.0
200.0	22.0	0.0
100.0	16.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	10.0	0.0
3.0	9.0	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	125.0
760	12.0	125.0
1485	24.0	125.0

Comment :

FIELD BLEND

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

LOCATION WATER USED

LONG STRING 2 ND STAGE TAIL 7400' POD = 5:03