

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

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 2100, Denver Colorado 80201

4. Well Location

Unit Letter F 1980 Feet From The NORTH Line and 1980 Feet From The WEST Line
Section 19 Township 24-S Range 38-E NMPM LEA 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:

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, INTER 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 #723 SPUD 14-3/4 INCH HOLE @ 11:00 AM 10-03-96. DRILLED TO 1200'. TD @ 11:00 PM 10-04-96.
- RAN 28 JOINTS (1206') OF 11-3/4 INCH, 42#, WC-50, STC CASING SET @ 1200'. RAN 9 CENTRALIZERS.
- DOWELL CEMENTED WITH 500 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 @ 8:30 AM 10-05-96. CIRCULATED 313 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 2:00 AM TO 2:30 AM 10-06-96.
- WOC TIME 17-1/2 HOURS FROM 8:30 AM 10-05-96 TO 2:00 AM 10-06-96. REQUIREMENTS OF RULE 107. OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 870 (CU. FT.), TAIL 268 (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: 2132 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 17 1/2 HOURS.
- DRILLING 11 INCH HOLE.
- DRILLED 11 INCH HOLE TO 4230'. TD @ 10:30 AM CST. 10-13-96.
- RAN 95 JOINTS (4238') OF 8 5/8 INCH, 32# WC-50, LTC CASING SET @ 4230' DV TOOL 3502'. RAN 18 CENTRALIZERS.
- DOWELL CEMENTED W/ 850 SACKS 50/50 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 825 SACKS CLASS H NEAT (15.6 PPG, 1.19 CF/S). DISPLACE WITH FRESH WATER BUMP PLUG AND CLOSE DV TOOL @ 7:30 A.M. 10-14-96. PLUG DOWN @ 7:30 AM 10-14-96. CIRCULATED 0 SACKS.
- NU BOP AND TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 10:00 AM TO 10:30 AM 10-15-96.
- WOC TIME 26 1/2 HOURS FROM 7:30 AM 10-14-96. TO 10:00 AM 10-15-96.
- DRILLING 7 7/8 INCH HOLE.

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 10/24/96

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



CEMENTING REPORT

No. _____ Report Date: _____

Location: Texas Requested By: _____
 Well No: United Royalty A-5 Service Point: HWA
 Section: Lee NM Type of Job: Surface

Conditions:

Temp: 1200 °F. Temp Grad: _____ SHOT: 90 °F. SHOT: 95 °F.
 Series: Density (lb/gal) Yield (lb/cu ft) Mix Water (gal/sk) Total Liquid (gal/sk) Water Source Cement Source
 Test No. 1 12.5 1.74 9.11 9.11 Loc C
 Test No. 2 14.2 1.32 6.32 6.32 Loc C
 Test No. 3 _____
 Test No. 4 _____

Cement System Compositions:

Test No. 1 C + 4% D201 + 2% S1
 Test No. 2 C + 2% S1
 Test No. 3 _____
 Test No. 4 _____

Setting Time Results

Rheology Results

SYSTEM	WATER MIN	SC	300	200	100	50	25	8	3	PL (CP)	TYPE	REHEALING VALUE	NO.
No. 1	3.40	70	36	31	23	22	17	14	12				
No. 2	2.10	70	40	36	31	26	20	15	14				
No. 3													
No. 4													

Compressive Strengths - psi

SYSTEM	TEMP.	6 HRS.	12 HRS.	27 HRS.
No. 1	90 °F	250	500	800
No. 1	°F			
No. 2	90 °F	600	1400	2000
No. 2	°F			
No. 3	°F			
No. 3	°F			
No. 4	°F			
No. 4	°F			

FLUID LOSS

FREE WATER

SYSTEM	°F	°F	°F
No. 1	ML/30 min		ML
No. 2			
No. 3			
No. 4			

Remarks: Previous Data

Schlumberger
Dowell

CemDABE Cement Test Report

October 12, 1996

DATE OF TEST : 11-oct-1996

TEST NUMBER : NPD671700001

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 : L0
Total liquid : 11.95 gal/sk

SLURRY

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

B.H.S.T. : 105.0 F

B.H.C.T. : 98.0 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 : 26.098 lb_f/100ft²

P_0 : 9.038 cP

Correlation coefficient : 1.000

Thickening Time : 11 hr 0 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	35.0	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	23.0	0.0
3.0	14.0	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)
70	6.0	105.0
280	12.0	105.0
454	24.0	105.0

Comment :

FIELD BLEND

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

LOCATION WATER USED

INTERMEDIATE LEAD 4200' POD = 3:40

Schlumberger

Dowell

CemDABE Cement Test Report

October 12, 1996

DATE OF TEST : 12-oct-1996

TEST NUMBER : NPD671700002

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

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. : 105.0 F

B.H.C.T. : 98.0 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 : 25.094 lb f/100 ft²

P_v : 18.076 cP

Correlation coefficient : 1.000

Thickening Time : 3 hr18 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	43.0	0.0
200.0	37.0	0.0
100.0	31.0	0.0
60.0	0.0	0.0
30.0	0.0	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		

Compressive strength		
PSI	Hours	Temp. (F)
700	6.0	105.0
1200	12.0	105.0
1700	24.0	105.0

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

INTERMEDIATE 4200' POD = 2:35