

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.                         | 30-025-33464                                                           |
| 5. Indicate Type of Lease            | STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil / Gas Lease No.         | LC-067968                                                              |
| 7. Lease Name or Unit Agreement Name | WEST DOLLARHIDE DRINKARD UNIT                                          |
| 8. Well No.                          | 159                                                                    |
| 9. Pool Name or Wildcat              | DOLLARHIDE TUBB DRINKARD                                               |

|                                                                                                                                                                                                          |                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO<br>DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT<br>(FORM C-101) FOR SUCH PROPOSALS. |                                                                                                                                                                                                    |
| 1. Type of Well:                                                                                                                                                                                         | OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>                                                                                      |
| 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>P</u> : <u>990</u> Feet From The <u>SOUTH</u> Line and <u>600</u> Feet From The <u>EAST</u> Line<br>Section <u>30</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.)                                                                                                                                                       | GR-3161'                                                                                                                                                                                           |

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 SPUD 11 INCH HOLE @ 3:00 PM 10-18-96. DRILLED TO 1205'. TD @ 12:15 PM 10-20-96.
- RAN 27 JOINTS OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1205'.
- DOWELL CEMENTED WITH 325 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 @ 7:05 PM 10-19-96. CIRCULATED 193 SACKS.
- NU BOP & TESTED TO 1000#. TESTED CASING TO 1000# FOR 30 MINUTES FROM 11:30 AM TO 12:00 PM 10-20-96.
- WOC TIME 16 1/2 HOURS FROM 7:05 PM 10-19-96 TO 11:30 AM 10-20-96. REQUIREMENTS OF RULE 107, OPTION 2:
  - VOLUME OF CEMENT SLURRY: LEAD 566 (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: 1448 PSI.
  - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 10 1/2 HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 7250'. TD @ 12:15 PM MST 11-01-96.
- RU SCHLUMBERGER. RAN GR-DLL-MSFL-SONIC AND GR-DSN-SDL-SGR-CAL FROM 5000' TO 7250'. PULLED GR-DSN TO SURFACE.
- RAN 28 JOINTS OF 5 1/2 INCH, 17#, L80 AND 27 JOINTS OF 5.5" 17# WC-50, AND 111 JTS OF 5.5" 15.5# WC-50. LTC CASING SET @ 7250'.
- DOWELL CEMENTED: 1441 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8 PPG, 1.94 CF/S). F/B 500 SACKS CLASS H NEAT (15.6 PPG, 1.18 CF/S). PLUG DOWN @ 11:07 AM 11-03-96. CIRCULATED 360 SACKS.
- ND. RELEASE RIG @ 2:00 PM 11-03-96.
- 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 / SE H TITLE Eng. Assistant.

DATE 11/7/96

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 13 1996



## CEMENTING REPORT

File No. \_\_\_\_\_ Report Date: \_\_\_\_\_

Operator: Texas Requested By: \_\_\_\_\_  
 Lease No: W284 159 Service Point: HAN  
 Location: LAHAN Type of Job: Su-face

## Test Conditions:

Design: 1205 °F. Temp Grad: \_\_\_\_\_ BHCT 90 °F. BHCT 85 °F

| Properties:  | Density<br>(ppg) | Yield<br>(cu ft/sk) | Mix Water<br>(gal/sk) | Total Liquid<br>(gal/sk) | Water<br>Source | Cement<br>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 Class C + 47.860 + 27.51  
 System No. 2 Class C + 17.51  
 System No. 3 \_\_\_\_\_  
 System No. 4 \_\_\_\_\_

## Thickening Time Results

## Rheology Results

| SYSTEM | HR MIN      | SG        | 300       | 200       | 100       | 60        | 30        | 0         | 3         | PV (cP) | Ty (cP) | REHOLGCT<br>USERS | REHOLGCT<br>USERS |
|--------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|-------------------|-------------------|
| No. 1  | <u>3:50</u> | <u>70</u> | <u>42</u> | <u>44</u> | <u>46</u> | <u>41</u> | <u>31</u> | <u>28</u> | <u>21</u> |         |         |                   |                   |
| No. 2  | <u>2:30</u> | <u>70</u> | <u>38</u> | <u>34</u> | <u>27</u> | <u>21</u> | <u>17</u> | <u>14</u> | <u>10</u> |         |         |                   |                   |
| No. 3  |             |           |           |           |           |           |           |           |           |         |         |                   |                   |
| No. 4  |             |           |           |           |           |           |           |           |           |         |         |                   |                   |

## Compressive Strengths - psi

| SYSTEM | TEMP         | 6 HRS.     | 12 HRS.     | 24 HRS.     |
|--------|--------------|------------|-------------|-------------|
| No. 1  | <u>90 °F</u> | <u>430</u> | <u>800</u>  | <u>775</u>  |
| No. 1  | <u>°F</u>    |            |             |             |
| No. 2  | <u>90 °F</u> | <u>750</u> | <u>1620</u> | <u>1960</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.       | DS | °F |
|--------|-----------|----|----|
|        | ML/30 min |    | ML |
| No. 1  |           |    |    |
| No. 2  |           |    |    |
| No. 3  |           |    |    |
| No. 4  |           |    |    |

Remarks: Premium White

Remist: \_\_\_\_\_

Schlumberger

Dowell

## CemDABE Cement Test Report

October 30, 1996

DATE OF TEST : 30-oct-1996

TEST NUMBER : NPD676500001

CUSTOMER : TEXACO  
 FIELD : LEA NM  
 WELL : W D D U 159

## 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 ft<sup>3</sup>/sk

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

B.H.S.T. : 131.0 F

B.H.C.T. : 115.0 F

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 8.699 \text{ lb/100ft}^2$  $P_v : 9.038 \text{ cP}$ 

Correlation coefficient : 0.933

Thickening Time : 3 hr48 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                | 17.0   | 0.0    |
| 200.0                | 16.0   | 0.0    |
| 100.0                | 11.0   | 0.0    |
| 60.0                 | 0.0    | 0.0    |
| 30.0                 | 0.0    | 0.0    |
| 6.0                  | 9.0    | 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) |
| 130                  | 6.0   | 131.0     |
| 250                  | 12.0  | 131.0     |
| 330                  | 24.0  | 131.0     |

Comment :

## FIELD BLEND

36/65POZ/H + 6%D20 + 5%D44(BWOW) + 0.25PPSD29

LOCATION WATER USED

LONG STRING LEAD 7250' POD = 3:01

Schlumberger

Dowell

## CemDABE Cement Test Report

October 30, 1996

DATE OF TEST : 30-oct-1996

TEST NUMBER : NPD676500002

CUSTOMER : TEXACO  
 FIELD : LEA NM  
 WELL : W D D U 159

## 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 ft<sup>3</sup>/sk

B.H.S.T. : 131.0 F

B.H.C.T. : 115.0 F

No additives

Rheometer type : Fann 35

Spring factor : 1.0

Bob No : 1

Rotor No : 1

Rheological model (Dial 1) : Bingham Plastic

 $T_y : 30.113 \text{ lbf}/100\text{ft}^2$  $P_y : 16.570 \text{ cP}$ 

Correlation coefficient : 0.988

Thickening Time : 3 hr20 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                | 47.0   | 0.0    |
| 200.0                | 40.0   | 0.0    |
| 100.0                | 36.0   | 0.0    |
| 60.0                 | 0.0    | 0.0    |
| 30.0                 | 0.0    | 0.0    |
| 6.0                  | 26.0   | 0.0    |
| 3.0                  | 19.0   | 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) |
| 736                  | 6.0   | 131.0     |
| 1478                 | 12.0  | 131.0     |
| 1986                 | 24.0  | 131.0     |

Comment :

FIELD BLEND

CLASS H-NEAT

LOCATION WATER USED

LONG STRING TAIL 7250' POD = 2:35