

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.	30-025-33405
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	WEST DOLLARHIDE DRINKARD UNIT
8. Well No.	158
9. Pool Name or Wildcat	TUBB/DRINKARD/ABO

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>E</u> <u>1513</u> Feet From The <u>NORTH</u> Line and <u>773</u> Feet From The <u>WEST</u> Line Section <u>32</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.)	3161'

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, 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 #348 SPUD 11 INCH HOLE @ 7:00 PM 10-04-96. DRILLED TO 1232'. TD @ 8:45 AM 10-05-96.
- RAN 28 JOINTS OF 8 5/8 INCH, 24#, WC-50, STC CASING SET @ 1232'. RAN 8 CENTRALIZERS.
- 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/ 1% CACL2 (14.8 PPG, 1.32 CF/S). PLUG DOWN @ 8:45 PM 10-05-96. CIRCULATED 74 SACKS.
- NU BOP & TESTED TO 1200#. TESTED CASING TO 1200# FOR 30 MINUTES FROM 2:30 AM TO 3:00 AM 10-06-96.
- WOC TIME 5 -3/4 HOURS FROM 8:45 PM 10-05-96 TO 2:30 AM 10-06-96. REQUIREMENTS OF RULE 107, OPTION 2:
 - VOLUME OF CEMENT SLURRY: LEAD 566 (CU. FT.), TAIL 264 (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: 1564 PSI.
 - ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 11 1/4 HOURS.
- DRILLING 7 7/8 INCH HOLE.
- DRILLED 7 7/8 INCH HOLE TO 7250'. TD @ 2100 HOURS 10-15-96.
- RAN 169 JOINTS OF 5 1/2, 17# AND 15.5# L-80 AND WC-50 8RD. LTC CASING SET @ 7256'.
- DOWELL CEMENTED WITH 1420 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 (15.6 PPG, 1.18 CF/S). LOST RETURNS TO SURFACE WITH 55 BBLS LEFT TO DISPLACE. PLUG DOWN @ 1:15 AM 10-18-96. FLOATS HELD.
- ND. RELEASE RIG @ 5:00 AM 10-18-96.
- 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 / SEH TITLE Eng. Assistant. DATE 10/21/96
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: Texas Requested By: _____

Lease No: WDDU 158 Service Point: HNM

Location: Lee NA Type of Job: Seal

Test Conditions:

Depth: 1200 Temp Grad: _____ BHCT: 90 °F, BHCT: 95 °F

Properties:	Density (lb/gal)	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: Class C + 47.50 + 27.51

System No. 2: Class C + 17.51

System No. 3: _____

System No. 4: _____

Thickening Time Results

Rheology Results

SYSTEM	HR MIN	EC	300	200	100	60	30	9	3	SP or PL	Type	REACTIVITY INDEX	U.C.C.
No. 1	<u>3:50</u>	<u>70</u>	<u>47</u>	<u>44</u>	<u>42</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 Strength - psi

SYSTEM	TEMP	1 HRS.	16 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>1680</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>			

Remains: _____

FLUID LOSS

FREE WATER

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

Remarks: Pressure 1000

Schlumberger
Dowell

CemDABE Cement Test Report

October 16, 1996

DATE OF TEST : 16-oct-1996

TEST NUMBER : NPD672700001

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : WDDU 158

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	0.270	% BWOC
D044	5.000	% BWOW

B.H.S.T. : 123.0 F

B.H.C.T. : 111.0 F

Rheological model (Dial 1) : Bingham Plastic

T_y : 16.395 lb f/100 ft²

P_y : 15.063 cP

Correlation coefficient : 0.993

Thickening Time : 4 hr25 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	31.0	0.0
200.0	27.0	0.0
100.0	21.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	14.0	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)
120	6.0	123.0
320	12.0	123.0
450	24.0	123.0

Comment :

FIELD BLEND

35/65 POZ/H + 6% D20 + 5% D44 (BWOW) + 0.25PPS D29

LOCATION WATER USED

LONG STRING LEAD 7250' POD = 2:09

Schlumberger

Dowell

CemDABE Cement Test Report

October 16, 1996

DATE OF TEST : 16-oct-1996

TEST NUMBER : NPD672700002

CUSTOMER : TEXACO
FIELD : LEA NM
WELL : WDDU 158

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. : 123.0 F

B.H.C.T. : 111.0 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 : 17.399 lbf/100ft²

P_v : 22.595 cP

Correlation coefficient : 0.999

Thickening Time : 3 hr49 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	40.0	0.0
200.0	32.0	0.0
100.0	25.0	0.0
60.0	0.0	0.0
30.0	0.0	0.0
6.0	14.0	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)
706	6.0	123.0
1478	12.0	123.0
1876	24.0	123.0

Comment :

FIELD BLEND

CLASS H NEAT

LOCATION WATER USED

LONG STRING 7250' TAIL POD = 2:22