

Form 3160-5
(July 1989)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONTACT RECEIVING
OFFICE FOR NUMBER
OF COPIES REQUIRED
(Other instructions on reverse
side)

BLM Roswell District
Modified Form No.
NM060-3160-4

c15F

5. LEASE DESIGNATION AND SERIAL NO.
NM-29233

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR
TEXACO EXPLORATION AND PRODUCTION INC.

8. FARM OR LEASE NAME
NEFF -13- FEDERAL

3. ADDRESS OF OPERATOR
P. O. Box 3109, Midland, TX 79702

3a. AREA CODE & PHONE NO.
915-688-4620

9. WELL NO.
8

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

10. FIELD AND POOL, OR WILDCAT
LIVINGSTON RIDGE DELAWARE

1651' FSL & 330' FWL, UNIT LETTER: L

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 13, T-22-S, R-31-E

14. PERMIT NO.
API: 30-015-26979

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR-3557', KB-3569'

12. COUNTY OR PARISH
EDDY

13. STATE
NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(Other) INTERMEDIATE CASING

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. DRILLED 11 inch HOLE TO 4400'. TD @ 9:00pm 04-17-92.
2. RAN 19 JTS OF 8 5/8, 32# S-80 AND 82 JTS OF 32#, J-55, LTC CASING SET @ 4400'.
3. WESTERN CEMENTED WITH 900 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE @ 12.8ppg. F/B 250 SACKS CLASS H w/ 1% CaCl2 @ 15.6ppg. PLUG DOWN @ 7:45am 04-18-92. CIRCULATED 100 SACKS.
4. INSTALL WELLHEAD & TEST TO 1250#. NU BOP & TEST TO 1500#.
5. TESTED CASING TO 1500# FOR 30 MINUTES FROM 7:00pm TO 7:30pm 04-18-92.
6. TOTAL WOC TIME 12 1/4 HOURS FROM 7:45am TO 8:00pm 04-18-92. REQUIREMENTS OF RULE 107, OPTION 2:
 1. VOLUME OF CEMENT SLURRY: LEAD - 1683 (cu. ft.). TAIL - 297 (cu. ft.).
 2. APPROX. TEMPERATURE OF SLURRY WHEN MIXED: 60° F.
 3. EST. FORMATION TEMPERATURE IN ZONE OF INTEREST: 85° F.
 4. EST. CEMENT STRENGTH AT TIME OF CASING TEST: 2000 PSI.
 5. ACTUAL TIME CEMENT IN PLACE PRIOR TO TESTING: 11 1/4 HOURS.

7. ATTACHED ARE COPIES OF THE LAB BLEND TESTS.
8. DRILLING 7 7/8 inch HOLE.

18. I hereby certify that the foregoing is true and correct

SIGNED C.P. Bohem/cwh

TITLE DRILLING OPERATIONS MANAGER

DATE 04-20-92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

4-16-92

QUALITY ASSURANCE
LAB OR FIELD BLEND TEST

OPERATOR TEXACO WESTERN DISTRICT Hobbs DATE 4/15/92
 CUSTOMER REP. _____ LEASE NAME/WELL NO. Red Neff 13 NO. 8
 LEGAL/DESCRIP. _____ COUNTY/PARISH Lea STATE NM
 DESIGNED BY _____ TESTED BY Shepherd TEST DATE 4/15/92

TYPE JOB INTER. HOLE SIZE _____ CSG. SIZE _____ WT _____
 MEASURED DEPTH. 4400 FT. TRUE VERTICAL DEPTH _____ FT.
 BHST 111 *F BHCT 85 *F BHSQT _____ *F MUD TYPE _____ WT _____

REQUESTED THICKENING TIME _____ HRS.

REQUESTED COMPRESSIVE STRENGTH _____

RHEOLOGY _____

REQUESTED FLUID LOSS: _____ CC AT _____ MIN. REQUESTED FREE WATER _____

CEMENT SYSTEM SWPH + 1% CaCl₂

46 % MIX WATER OR 5.19 GAL/SK
 WEIGHT 15.64 LBS/GAL YIELD 1.14 CU FT/SK WATER SOURCE Rig

LAB SCHED. TEMP, PSI, MPA, SCHEDULE

LAB SCHED. TEMP, PSI, MPA, SCHEDULE	900 gms/mls	LOT/MILL NO.
<u>15</u>	<u>9</u> gms/mls	<u>SWPH</u>
INITIAL TEMP. <u>RT</u> °C PSI <u>550</u> MPA <u>909</u>	_____ gms/mls	<u>CaCl₂</u>
FINAL TEMP. <u>29</u> °C PSI <u>2898</u> MPA <u>414</u>	_____ gms/mls	_____
	_____ gms/mls	_____
	_____ gms/mls	_____
	<u>414</u> mls/H ₂ O	<u>Rig</u>

LACH. SERIAL NO. _____

RESULTS:
 THICKENING TIME 2 HRS. 26 MIN.

COMPRESSIVE STRENGTHS

COMPRESSIVE STRENGTHS	HRS @	F =	PSI
<u>12</u>	<u>111</u>	_____	_____
<u>24</u>	<u>111</u>	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

FREE WATER CONTENT

MLS/2 HRS.

FLUID LOSS TEST

CC'S IN 30 MIN @ _____ PSI
 °F (°C) @ _____

PV
YP

RHEOLOGY

ROOM TEMP.

BHCT

ROOM TEMP.	RHEOLOGY	BHCT
<u>96</u>	@ 600	_____
<u>70</u>	@ 300	_____
<u>56</u>	@ 200	_____
<u>42</u>	@ 100	_____
<u>15</u>	@ 8	_____
<u>12</u>	@ 3	_____

REMARKS:

8 HR — 1812 psi @ 111 °F
12 HR — 2000 psi @ 111 °F
16 HR — 2250 psi @ 111 °F
20 HR — 2575 psi @ 111 °F
24 HR — 2700 psi @ 111 °F

4-16-92

LAB OR FIELD BLEND TEST

OPERATOR TEXACO WESTERN DISTRICT Hobbs DATE 4/14/92
 CUSTOMER REP. _____ LEASE NAME/WELL NO. fed NEFF '13 NO. 8
 LEGAL/DESCRIP. _____ COUNTY/PARISH Lea STATE NM
 DESIGNED BY _____ TESTED BY Shepherd TEST DATE 4/14/92

TYPE JOB INTER HOLE SIZE 11.0 CSG. SIZE 8 5/8 WT 24#
 MEASURED DEPTH 4400 FT. TRUE VERTICAL DEPTH _____ FT.
 BHST 111 °F BHCT 85 °F BHSQT _____ °F MUD TYPE _____ WT _____

REQUESTED THICKENING TIME _____ HRS.

REQUESTED COMPRESSIVE STRENGTH _____

RHEOLOGY _____

REQUESTED FLUID LOSS: _____ CC AT _____ MIN. REQUESTED FREE WATER _____

CEMENT SYSTEM PSLH G5.35+6 + 5% salt + .25 #/sk Cello seal
95 % MIX WATER OR 4.92 GAL/SK
 WEIGHT 12.82 LBS/GAL YIELD 1.87 CU FT/SK WATER SOURCE Rig

LAB SCHED. TEMP, PSI, MPA, SCHEDULE 15.7INITIAL TEMP. RT °C PSI 550 MPA _____FINAL TEMP. 29 °C PSI 2838 MPA _____

MACH. SERIAL NO. _____

LOT/MILL NO.
351 gms/mls SWPH
149 gms/mls Poz
30 gms/mls 6cl
23.75 gms/mls Salt
143 gms/mls Cello seal (omit)
475 gms/mls Rig

RESULTS:
 THICKENING TIME 5+ HRS. _____ MIN.

COMPRESSIVE STRENGTHS
12 HRS @ 111 F = 225 PSI
24 HRS @ 111 F = 600 PSI
 _____ HRS @ _____ F = _____ PSI
 _____ HRS @ _____ F = _____ PSI

FREE WATER CONTENT _____

2 MLS/2 HRS.

FLUID LOSS TEST
800 CC'S IN 30 MIN @ 0.22
 °F (C) @ _____ PSI

PV
YP

RHEOLOGY - EST.
 ROOM TEMP. BHCT
92 @ 600
83 @ 300
78 @ 200
60 @ 100
38 @ 6
31 @ 3

COMMENTS: _____