

OIL CONSERVATION DIVISION

P. O. BOX 2083  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

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| LAND OFFICE            |  |
| OPERATOR               |  |

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.

**B-935**

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 - IT FORM C-1031 FOR SUCH PROPOSALS.)

|  |   |
|--|---|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>   | 7. Unit Agreement Name                                |
| 2. Name of Operator<br><b>TEXACO Inc.</b>  | 8. Name of Lease Name<br><b>New Mexico 'DU' State</b> |
| 3. Address of Operator<br><b>P. O. Box 728, Hobbs, New Mexico 88240</b>  | 9. Well No.<br><b>1</b>                               |
| 4. Location of Well<br>UNIT LETTER <b>F</b> <b>1980'</b> FEET FROM THE <b>North</b> LINE AND <b>1650'</b> FEET FROM<br>THE <b>West</b> LINE, SECTION <b>12</b> TOWNSHIP <b>22-S</b> RANGE <b>34-E</b> N.M.P.M.<br>10. Field and Pool, or Wildcat<br><b>Grana Ridge East (Morrow)</b> | 12. County<br><b>Lea</b>                              |
| 15. Elevation (Show whether DF, RT, GR, etc.)<br><b>3544' (GR)</b>   |   |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

|  |   |   |   |
|--|---|---|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>              | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPS. <input type="checkbox"/>     | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOB <input type="checkbox"/> |   |

17. 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.

TOTAL DEPTH 13,300'

Plug Back Total Depth 12,988'

- 13 3/8" OD 61# J-55 Csg set @ 400'
- 10 3/4" OD 15# & 61.7# N-80 Csg set @ 5639'
- 7 5/8" OD 33.7# N-30 Csg set @ 11,125'
- 4 1/2" OD 15.5# C-75 Casing Liner Set from 10,898' - 13,300'

1. Perforate 4 1/2" Csg Liner w/2-JSPF @ 13,051', 54', 56', 58', 68', 69', 196', & 13,197'.
2. Acidize perms 13,051'-13,197' w/1500 gals 10% Morrow Flow Acid w/1000 SCF N<sub>2</sub> per Bbl. using 8 Ball Sealers. Set plug @ 12,988'.
3. Perforate 4 1/2" Csg w/2-JSPF @ 12,870', 71' & 72'.
4. Acidize perforations 12,870' - 12,872' w/500 gal. 10% Morrow Flow Acid w/500 SCF N<sub>2</sub> per Bbl. Flush w/5000 SCF N<sub>2</sub> pad followed w/34 Bbl. Wtr containing 300 SCF N<sub>2</sub> per Bbl.
5. Install production. Completed Shut-In Natural Gas, 3-26-80.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED J. Sexton TITLE Asst. Dist. Supt. DATE 3-27-80  
 ORIG. SIGNED BY Jerry Sexton  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

ALL INFORMATION CONTAINED

HEREIN IS UNCLASSIFIED

DATE 08-23-2000 BY SP-6/BJA

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

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10. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
**B-935**

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 TO DRILL (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER

2. Name of Operator  
**TEXACO Inc.**

3. Address of Operator  
**P. O. Box 728, Hobbs, New Mexico 88240**

4. Location of Well  
UNIT LETTER **F** 1980 FEET FROM THE **North** LINE AND **1650** FEET FROM THE **West** 12 TOWNSHIP **22-S** RANGE **34-E** NEARBY

6. Indicate Field and Block or Wellnet  
**Grana Ridge East (Morrow)**

7. Unit Agreement Name

8. Form or Lease Name  
**New Mexico 'DU' State**

9. Well No.  
**1**

11. Elevation (Show whether DF, RT, GR, etc.)  
**3544' (GR)**

12. County  
**Lea**

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

|  |   |   |   |
|--|---|---|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                          | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE FLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/>                | PLUG AND ABANDONMENT <input type="checkbox"/> |
| FULL OR ALTER CASING <input type="checkbox"/>  | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/> |   |

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1105.

**TOTAL DEPTH 13,300'**

**13 3/8" OD 61# J-55 Csg Set @ 400'.  
10 3/4" OD 51# & 61.7# N-80 Csg Set @ 5639'.  
7 5/8" OD 33.7# N-80 Csg Set @ 11,125'.**

- 1. Ran 2396' (61 jts) 4 1/2" OD 15.5# C-75 Casing Liner & set @ 13,300 w/TIW EJ liner hanger & tie back sleeve @ 10,898.**
- 2. Cement w/1000 gals mud flush & 341 sx 50-50 Posmix & class 'H' cement containing 0.6% Halad-9. Cement circulated to top of liner. Job complete 7:00 PM, 2-11-80. WOC in excess of 18 hrs. DOC in top of liner.**
- 3. Set RTTS pkr @ 10,520'. Test 4 1/2" csg top @ 10,898 to 2500# for 30 minutes, 11:30 AM-12:00 noon, 2-13-80. Test OK. Job complete 12:00 noon, 2-13-80.**

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Jerry Sexton TITLE Asst. Dist. Supt. DATE 2-15-80

Orig. Signed by  
Jerry Sexton

APPROVED BY Dist 1, Supv. TITLE \_\_\_\_\_ DATE FEB 21 1980

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIV.

FEB 20 1980

RECEIVED





OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form O-103  
Revised 12-1-73

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5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
**B-935**

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPERATE OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT - 1 (FORM O-101) FOR SUCH PROPOSALS.)

6. Well Agreement Name

7. Name of Lease Name  
**New Mexico 'DU' State**

8. Name of Operator  
**TEXACO Inc.**

9. Address of Operator  
**P. O. Box 728 - Hobbs, New Mexico 88240**

10. Location of Well  
UNIT LETTER **F** **1980'** TEST FROM THE **North** LINE AND **1650** FEET FROM  
THE **West** LINE, SECTION **12** TOWNSHIP **22-S** RANGE **34-E** NEPHEW  
10. Field and Pool, or Field at  
**Gamma Ridge East (Morrow)**

11. Elevation (Show whether DF, RT, GR, etc.)  
**3544' (GR)**

12. County  
**Lea**

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

|  |   |   |   |
|--|---|---|---|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                          | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPNS. <input type="checkbox"/>                | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/> | OTHER <input type="checkbox"/>                |

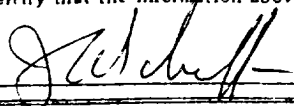
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

**Total Depth 5639'**

**13-3/8" OD 61# J-55 Csg Set @ 400'**

- Ran 5618' (134 jts) 10-3/4" OD 51# & 61.7# N-80 csg & set @ 5639'.
- Cement 1st stage w/400 sx LW cement containing 8# salt, 5# gilsonite & 1/4# Flocele per sack, followed w/200 sx Class C Cement.
- With DV tool open @ 3498' cemented 2nd stage w/3500 sx TLW cement containing 15# salt, 5# gilsonite & 1/4# flocele, followed w/200 sx. Class 'C' cement. Cement circulated. Job complete 3:00 P.M. 12-2-79. WOC in excess of 18 hrs.
- Tested 10-3/4" csg to 1000# for 30 minutes, 4:00-4:30 P.M., 12-4-79. Tested O.K. Job complete 4:30 P.M., 12-4-79.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED  TITLE Asst. District Supt. DATE 12-5-79

APPROVED BY John Runyan TITLE Geologist DATE DEC 10 1979

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OIL CONSERVATION DIV



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14. Indicate Type of Lease  
State  Fee   
15. State Oil & Gas Lease No.  
**B-935**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT - 20 (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER \_\_\_\_\_

2. Name of Operator  
**TEXACO Inc.**

3. Address of Operator  
**P. O. Box 728, Hobbs, New Mexico 88240**

4. Location of Well  
UNIT LETTER **F** **1980'** FEET FROM THE **North** LINE AND **1650** FEET FROM THE **West** LINE, SECTION **12** TOWNSHIP **22-S** RANGE **34-E**

6. Field and Pool Name  
**Gamma Ridge East (Morrow)**

7. Unit Agreement Name  
-

8. Form or Lease Name  
**New Mexico 'DU' State**

9. Well No.  
**1**

10. Field and Pool Name  
**Gamma Ridge East (Morrow)**

11. Elevation (Show whether DF, RT, GR, etc.)  
**3544' (GR)**

12. County  
**Lea**

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REZONAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER \_\_\_\_\_

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING TEST AND CEMENT JOBS

OTHER \_\_\_\_\_

ALTERING CASING

PLUG AND ABANDONMENT

13. 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.

Spud 17-1/2" hole @ 2:00 P.M., 10-30-79

Total Depth 400'

1. Ran 379' (9 jts) 13-3/8" OD 61# J-55 csg & set @ 400'.
2. Cemented w/425 sx. Class 'C' cement containing 2% CC. Cement circulated. Job complete 7:15 AM, 10-31-79. WOC in excess of 18 Hrs.
3. Tested 13-3/8" csg to 1000# for 30 minutes, 10:30-11:00 PM, 11-1-79. Tested OK. Job complete 11:00 PM, 11-1-79.

16. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED *W L Cooper* TITLE Asst. Dist. Supt. DATE 11-2-79

APPROVED BY John Runyan TITLE Geologist DATE NOV 5 1979

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O.C.D. HOBBS, OFFICE

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NEW MEXICO OIL CONSERVATION COMMISSION

30-025-26502

Form O-101  
Revised 1-1-65

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
B-935

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

b. Type of Well DRILL  DEEPEN  PLUG BACK   
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Texaco Inc.

3. Address of Operator  
P. O. Box 3109 Midland, Texas 79701

4. Location of Well UNIT LETTER F LOCATED 1980' FEET FROM THE North LINE  
AND 1650 FEET FROM THE West LINE OF SEC. 12 TWP. 22 S RGE. 34 E NMPM

7. Unit Agreement Name

8. Farm or Lease Name New Mexico "DU" State

9. Well No. 1

10. Field and Pool, or Wildcat  
Grama Ridge, E. (Morrow) (ADD)

12. County  
Lea

19. Proposed Depth 13,500' 19A. Formation Morrow 20. Rotary or C.T. Rotary

21. Elevations (Show whether DF, RT, etc.) 3544' Gr. 21A. Kind & Status Plug. Bond 21B. Drilling Contractor 22. Approx. Date Work will start Oct. 20, 1979

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT     | SETTING DEPTH | SACKS OF CEMENT | EST. TOP  |
|--------------|----------------|---------------------|---------------|-----------------|-----------|
| 12-1/8"      | 18-3/8"        | 40.5# & 45.5# & 51# | 5700'         | 1366            | Circulate |
| 9-1/2"       | 7-5/8"         | 26.4# & 29.7#       | 11550'        | 950             | Circulate |
| 6-3/4"       | 4-1/2"         | 13.5#               | 13,500'       | 480             | Circulate |

Surface Casing: 360 sx Class 'C' w/2% Cacl - Cement must circulate.

1st Intermediate Casing: Stage I; 365 sx LW cmt. w/8# Salt + 5# Gilsonite, and 1/4# Floccelle/sx followed by 200 sx. Class 'C' open DV tool @ 3000'. Stage II; 800 sx LW cmt. w/8# salt + 5# Gilsonite and 1/4# Floccelle/sx followed by 100 sx Class 'C' - cement must circulate.

2nd Intermediate Casing: 650 sx LW cmt. w/5# KCL, 1/4# Floccelle/sx followed by 300 sx Class 'H' w/5# KCL/sx - cement must circulate.

Production Casing: 480 sx Class 'H' w/5# KCL/sx - cement must circulate.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed [Signature] Title Asst. Division Engineer Date Oct. 15, 1979

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 1 DATE OCT 16 1979

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
OCT 1 6 1952  
O.C.D. HOBBS, OFFICE