

OIL CONSERVATION DIVISION

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION
 RECEIVED

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
 TO TRANSPORT OIL AND NATURAL GAS**

DEC 29 AM 9 11

I.

| | |
|---|------------------------------|
| Operator Texaco Exploration and Production Inc. | Well API No. 30-025-31727 |
| Address P. O. Box 730 Hobbs, New Mexico 88240-2528 | |
| Reason(s) for Filing (Check proper box) <input checked="" type="checkbox"/> Other (Please explain) CHANGE IN LOCATION OF TANKS DUE TO CONSTRUCTION OF NEW BATTERY EFFECTIVE 1-1-93 | |
| New Well <input type="checkbox"/> Change in Transporter of: Recompletion <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Change in Operator <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> | |
| If change of operator give name and address of previous operator | |

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|--|----------------|---|---|-----------|
| Lease Name L. VAN ETTEN | Well No. 13 | Pool Name, Including Formation CASS PENN | Kind of Lease State, Federal or Fee FFS | Lease No. |
| Location Unit Letter <u>K</u> : <u>1653</u> Feet From The <u>SOUTH</u> Line and <u>2307</u> Feet From The <u>WEST</u> Line Section <u>9</u> Township <u>20-S</u> Range <u>37-E</u> , <u>NMPM</u> , <u>LEA</u> County | | | | |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | |
|--|---|
| Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> SHELL PIPELINE CORP. | Address (Give address to which approved copy of this form is to be sent) P.O. Box 2648 HOUSTON, TEXAS 77252 |
| Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/> WARREN PETROLEUM CORP. | Address (Give address to which approved copy of this form is to be sent) P.O. Box 1589 TULSA, OKLAHOMA 74102 |
| If well produces oil or liquids, give location of tanks. | Unit Sec. Twp. Rge. Is gas actually connected? When ? K 9 20S 37E YES 11-16-92 |

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

| | | | | | | | | |
|------------------------------------|-----------------------------|----------|-----------------|----------|--------|-------------------|------------|------------|
| Designate Type of Completion - (X) | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Res'v | Diff Res'v |
| Date Spudded | Date Compl. Ready to Prod. | | Total Depth | | | P.B.T.D. | | |
| Elevations (DF, RKB, RT, GR, etc.) | Name of Producing Formation | | Top Oil/Gas Pay | | | Tubing Depth | | |
| Perforations | | | | | | Depth Casing Shoe | | |

TUBING, CASING AND CEMENTING RECORD

| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT |
|-----------|----------------------|-----------|--------------|
| | | | |
| | | | |
| | | | |
| | | | |

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

| | | | |
|--------------------------------|-----------------|---|------------|
| Date First New Oil Run To Tank | Date of Test | Producing Method (Flow, pump, gas lift, etc.) | |
| Length of Test | Tubing Pressure | Casing Pressure | Choke Size |
| Actual Prod. During Test | Oil - Bbls. | Water - Bbls. | Gas- MCF |

GAS WELL

| | | | |
|----------------------------------|---------------------------|---------------------------|-----------------------|
| Actual Prod. Test - MCF/D | Length of Test | Bbls. Condensate/MMCF | Gravity of Condensate |
| Testing Method (pilot, back pr.) | Tubing Pressure (Shut-in) | Casing Pressure (Shut-in) | Choke Size |

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Monte C. Duncan
 Signature
 MONTE C. DUNCAN ENGR. ASST.
 Printed Name
 12-17-92 Title
 505-393-7191
 Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved DEC 21 '92
 By *[Signature]*
 Title DISTRICT 1 SUPERVISOR

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION

DISTRICT II
 P.O. Drawer DD, Aztec, NM 88210

P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
 TO TRANSPORT OIL AND NATURAL GAS**

I.

| | |
|---|---|
| Operator Texaco Exploration and Production Inc. | Well API No. 30-025-31727 |
| Address P. O. Box 730 Hobbs, New Mexico 88240-2528 | |
| Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain) | |
| New Well <input checked="" type="checkbox"/> | Change in Transporter of: |
| Recompletion <input type="checkbox"/> | Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> |
| Change in Operator <input type="checkbox"/> | Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> |

If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|----------------------------|------------------|---|---|-----------------------|
| Lease Name L. VAN ETTEN | Well No. 13 | Pool Name, Including Formation CASS PENN | Kind of Lease State, Federal or Fee FEE | Lease No. |
| Location | | | | |
| Unit Letter K | : 1653 | Feet From The SOUTH | Line and 2307 | Feet From The WEST |
| Section 9 | Township 20-S | Range 37-E | , NMPM, LEA County | |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | | | | | | |
|--|--|---|-------------|-------------|-----------------------------------|-------------------|
| Name of Authorized Transporter of Oil SHELL PIPELINE CORP. <input checked="" type="checkbox"/> | or Condensate <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) P.O. Box 2648 HOUSTON, TEXAS 77252 | | | | |
| Name of Authorized Transporter of Casinghead Gas WARREN PETROLEUM CORP. <input checked="" type="checkbox"/> | or Dry Gas <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) P.O. Box 1589 TULSA, OKLAHOMA 74102 | | | | |
| If well produces oil or liquids, give location of tanks. | Unit 1 | Sec. 9 | Twp. 20S | Rge. 37E | Is gas actually connected? YES | When? 11-16-92 |

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

| | | | | | | | | |
|--|--|--------------------------|-----------------------|----------|------------------------|-----------|----------------------------|------------|
| Designate Type of Completion - (X) | Oil Well X | Gas Well | New Well X | Workover | Deepen | Plug Back | Same Res'v | Diff Res'v |
| Date Spudded 9-24-92 | Date Compl. Ready to Prod. 11-16-92 | Total Depth 7875' | P.B.T.D. 7850' | | | | | |
| Elevations (DF, RKB, RT, GR, etc.) GR-3541', KB-3555' | Name of Producing Formation PENNSYLVANIAN | Top Oil/Gas Pay 7782' | Tubing Depth 7798' | | | | | |
| Perforations 7782'-7796': PENNSYLVANIAN | | | | | | | Depth Casing Shoe 7875' | |
| TUBING, CASING AND CEMENTING RECORD | | | | | | | | |
| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | | | SACKS CEMENT | | | |
| 14.75 | 11.75 | 1150' | | | 900 SX, (CIRC 75 SX) | | | |
| 11 | 8 5/8 | 4000' | | | 1650 SX, (CIRC 150 SX) | | | |
| 7 7/8 | 5.5 | 7875' | | | 1500 SX, (CIRC 185 SX) | | | |
| DV TOOL @ 4809' | | | | | | | | |

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

| | | | |
|--|--------------------------|---|-----------------|
| Date First New Oil Run To Tank 10-30-92 | Date of Test 11-19-92 | Producing Method (Flow, pump, gas lift, etc.) PUMPING, 2.5 X 1.75 X 24 | |
| Length of Test 24 HOURS | Tubing Pressure | Casing Pressure | Choke Size |
| Actual Prod. During Test 719 GOR | Oil - Bbls. 270 | Water - Bbls. 0 | Gas- MCF 194 |

GAS WELL

| | | | |
|----------------------------------|---------------------------|---------------------------|-----------------------|
| Actual Prod. Test - MCF/D | Length of Test | Bbls. Condensate/MMCF | Gravity of Condensate |
| Testing Method (pilot, back pr.) | Tubing Pressure (Shut-in) | Casing Pressure (Shut-in) | Choke Size |

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Monte C. Duncan
 Signature
 MONTE C. DUNCAN ENGR. ASST.
 Printed Name
 11-23-92
 Date
 505-393-7191
 Telephone No.

OIL CONSERVATION DIVISION

Date Approved NOV 24 '92
 By *Jerry Sartin*
 Title **DISTRICT 1 SUPERVISOR**

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION DIVISION

P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION
 RECEIVED

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

**REQUEST FOR ALLOWABLE AND AUTHORIZATION
 TO TRANSPORT OIL AND NATURAL GAS**

AM 9 57

I.

| | | |
|---|---|------------------------------|
| Operator Texaco Exploration and Production Inc. | | Well API No. 30-025-31727 |
| Address P. O. Box 730 Hobbs, New Mexico 88240-2528 | | |
| Reason(s) for Filing (Check proper box) <input checked="" type="checkbox"/> Other (Please explain) REQUEST TEST ALLOWABLE 2800 bbls - Nov. 1992 | | |
| New Well <input checked="" type="checkbox"/> | Change in Transporter of: | |
| Recompletion <input type="checkbox"/> | Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> | |
| Change in Operator <input type="checkbox"/> | Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> | |

If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

| | | | | |
|---|----------------|--|---|-----------|
| Lease Name L. VAN ETTEN | Well No. 13 | Pool Name, Including Formation <i>Undesignated Strawn</i> | Kind of Lease State, Federal or Fee FEE | Lease No. |
| Location Unit Letter <u>K</u> : <u>1653</u> Feet From The <u>SOUTH</u> Line and <u>2307</u> Feet From The <u>WEST</u> Line Section <u>9</u> Township <u>20-S</u> Range <u>37-E</u> , NMPM, LEA County | | | | |

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | | | | |
|--|--|---|-------------|-------------|
| Name of Authorized Transporter of Oil SHELL PIPELINE CORP. <input checked="" type="checkbox"/> | or Condensate <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) P.O. Box 2648 HOUSTON, TEXAS 77252 | | |
| Name of Authorized Transporter of Casinghead Gas WARREN PETROLEUM CORP. <input checked="" type="checkbox"/> | or Dry Gas <input type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) P.O. Box 1589 TULSA, OKLAHOMA 74102 | | |
| If well produces oil or liquids, give location of tanks. | Unit 1 | Sec. 9 | Twp. 20S | Rge. 37E |
| Is gas actually connected? | | When ? | | |
| NO | | | | |

If this production is commingled with that from any other lease or pool, give commingling order number: _____

IV. COMPLETION DATA

| | | | | | | | | |
|--|---|-----------------------------------|--|-----------------------------------|---------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| Designate Type of Completion - (X) | Oil Well <input checked="" type="checkbox"/> | Gas Well <input type="checkbox"/> | New Well <input checked="" type="checkbox"/> | Workover <input type="checkbox"/> | Deepen <input type="checkbox"/> | Plug Back <input type="checkbox"/> | Same Res'v <input type="checkbox"/> | Diff Res'v <input type="checkbox"/> |
| Date Spudded 9-23-92 | Date Compl. Ready to Prod. COMPLETING | | Total Depth 7875' | | P.B.T.D. 7850' | | | |
| Elevations (DF, RKB, RT, GR, etc.) GR-3541', KB-3555' | Name of Producing Formation WILDCAT STRAWN | | Top Oil/Gas Pay 7782' | | Tubing Depth - | | | |
| Perforations 7782'-7796' | | | | | Depth Casing Shoe 7875' | | | |
| TUBING, CASING AND CEMENTING RECORD | | | | | | | | |
| HOLE SIZE | CASING & TUBING SIZE | | DEPTH SET | | SACKS CEMENT | | | |
| 17.5 | 16 | | 40' | | REDI-MIX | | | |
| 14.75 | 11.75 | | 1200' | | 800 SX (CIRC) | | | |
| 11 | 8 5/8 | | 4000' | | 1650 SX (CIRC) | | | |
| 7 7/8 | 5.5 | | 7800' | | 1350 SX (CIRC) | | | |

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

| | | | |
|--------------------------------|-----------------|---|------------|
| Date First New Oil Run To Tank | Date of Test | Producing Method (Flow, pump, gas lift, etc.) | |
| Length of Test | Tubing Pressure | Casing Pressure | Choke Size |
| Actual Prod. During Test | Oil - Bbls. | Water - Bbls. | Gas- MCF |

GAS WELL

| | | | |
|----------------------------------|---------------------------|---------------------------|-----------------------|
| Actual Prod. Test - MCF/D | Length of Test | Bbls. Condensate/MMCF | Gravity of Condensate |
| Testing Method (pilot, back pr.) | Tubing Pressure (Shut-in) | Casing Pressure (Shut-in) | Choke Size |

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Monte C. Duncan
 Signature
 MONTE C. DUNCAN ENGR. ASST.
 Printed Name
 11-16-92 Title
 505-393-7191
 Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved NOV 17 '92
 By *Jeremy Smith*
 Title DISTRICT 1 SUPERVISOR

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

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 RECEIVED P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION P.O. Box 2088

DISTRICT II NOV 2 AM 10 34 P.O. Drawer DD, Artesia, NM 88210

Santa Fe, New Mexico 87504-2088

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO. 30 025 31727
5. Indicate Type of Lease STATE [] FEB [X]
6. State Oil & Gas Lease No. - - -

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' (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: OIL WELL [X] GAS WELL [] OTHER []

2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator P. O. Box 3109 Midland, Texas 79702

4. Well Location Unit Letter K : 1653 Feet From The SOUTH Line and 2307 Feet From The WEST Line Section 9 Township 20-SOUTH Range 37-EAST NMPM LEA County



7. Lease Name or Unit Agreement Name L. VAN ETTEN

8. Well No. 13

9. Pool name or Wildcat

10. Elevation (Show whether DF, RKB, RT, GR, etc.) GR-3541', KB-3555'

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 OPNS. [], PLUG AND ABANDONMENT [], CASING TEST AND CEMENT JOB [X], OTHER: PRODUCTION CASING [X]

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.

**WEIR BLINEBRY, MONUMENT TUBB, WILDCAT BELOW TUBB. 1. DRILLED 7 7/8 HOLE TO 7875'. TD @ 1:30pm 10-18-92. 2. SCHLUMBERGER RAN GR-DIL-LSS-CAL AND GR-CNL-LDT-NGT-CAL FROM 7868' TO 4000'. RAN GR-EPT FROM 7859' TO 5000'. PULLED GR-CNL TO SURFACE. 3. RAN 5 1/2, LTC CASING (24 JTS OF 17# WC70, 40 JTS FO 17# WC50, 126 JTS OF 15.5# J-55) SET @ 7875'. RAN 28 CENTRALIZERS. DV TOOL @ 4809'. 4. DOWELL CEMENTED: 1st STAGE - 250 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.87cf/s). F/B 600 SACKS 50/50 POZ CLASS H w/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2ppg, 1.28cf/s). OPEN DV TOOL @ 10:45am 10-20-92. CIRCULATED 100 SACKS. 2nd STAGE - 550 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.87cf/s). F/B 100 SACKS CLASS H (15.6ppg, 1.18cf/s). PLUG DOWN @ 6:00pm 10-20-92. CIRCULATED 85 SACKS. 5. INSTALL WELLHEAD & TESTED TO 2000#. 6. ND. RELEASE RIG @ 2:30am 10-21-92. 7. 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 / cwp TITLE DRILLING OPERATIONS MANAGER DATE 10-21-92 TYPE OR PRINT NAME C. P. BASHAM TELEPHONE NO. 915-6884620

(This space for State Use) APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE OCT 26 '92 CONDITIONS OF APPROVAL, IF ANY:

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

| |
|---|
| WELL API NO. 30 025 31727 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. --- |

| | |
|---|--|
| 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" (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"/> | 7. Lease Name or Unit Agreement Name L. VAN ETTEN |
| 2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC. | 8. Well No. 13 |
| 3. Address of Operator P. O. Box 3109 Midland, Texas 79702 | 9. Pool name or Wildcat --- |
| 4. Well Location Unit Letter <u>K</u> : <u>1653</u> Feet From The <u>SOUTH</u> Line and <u>2307</u> Feet From The <u>WEST</u> Line Section <u>9</u> Township <u>20-SOUTH</u> Range <u>37-EAST</u> NMPM LEA County | |
| 10. Elevation (Show whether DP, RKB, RT, GR, etc.) GR-3541', KB-3555' | |

11. 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"/> | | CASING TEST AND CEMENT JOB <input type="checkbox"/> | |
| OTHER: _____ <input type="checkbox"/> | | OTHER: <u>COMPLETING</u> <input checked="" type="checkbox"/> | |

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.

**WEIR BLINEBRY, MONUMENT TUBB, WILDCAT BELOW TUBB.

1. MIRU COMPLETION UNIT. CLEAN OUT CEMENT TO PBTD OF 7850'. TESTED CASING TO 3000# FOR 30 MINUTES 10-28-92.
2. WEDGE RAN GR-CCL FROM 7847' TO 4000'. PERFD WITH 2 JSPF: 7782-7796. 28 HOLES.
3. DOWELL ACIDIZED WITH 3200 GAL 15% HCL 10-30-92.
4. SWAB 9 HOURS 11-02-92. RECOVERED 70 BO AND 25 BLW.
5. TIH WITH 2 7/8 TUBING, PUMP AND RODS. SEATING NIPPLE @ 7798'.
6. PUMPED 24 HOURS 11-17-92. RECOVERED 217 BO, 130 BW, 127 MCFD.
7. TESTING.

OIL CONSERVATION DIVISION
RECEIVED
'92 NOV 25 AM 8 14

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

SIGNATURE C.P. Basham/cwt TITLE DRILLING OPERATIONS MANAGER DATE 11-18-92

TYPE OR PRINT NAME C. P. BASHAM TELEPHONE NO. 915-6884620

(This space for State Use)

APPROVED BY [Signature] TITLE Geologist DATE NOV 20 '92

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate District Office
 State Lease - 6 copies
 Fee Lease - 5 copies

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-101
 Revised 1-1-89

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

API NO. (assigned by OCD on New Wells)
30-025-31727

5. Indicate Type of Lease
 STATE FEE

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:
 DRILL RE-ENTER DEEPEN PLUG BACK

b. Type of Well:
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
 TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
 P. O. Box 3109, Midland, Texas 79702

4. Well Location
 Unit Letter K : 1653 Feet From The SOUTH Line and 2307 Feet From The WEST Line
 Section 9 Township 20-SOUTH Range 37-EAST NMPM LEA County

7. Lease Name or Unit Agreement Name
 L. VAN ETTEN

8. Well No.
 13

9. Pool name or Wildcat
 **

10. Proposed Depth
 7800'

11. Formation

12. Rotary or C.T.
 R

13. Elevations (Show whether DF, RT, GR, etc.)
 GR-3541'

14. Kind & Status Plug. Bond
 BLANKET

15. Drilling Contractor
 TO BE SELECTED

16. Approx. Date Work will start
 09-15-92

17. PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 17 1/2 | 16 | 65# | 40' | REDI-MIX | SURFACE |
| 14 3/4 | 11 3/4 | 42# | 1200' | 800 | SURFACE |
| 11 | 8 5/8 | 32# | 4000' | 1650 | SURFACE |
| 7 7/8 | 5 1/2 | 15.5# & 17# | 7800' | 1350 | SURFACE |

WEIR BLINEBRY, MONUMENT TUBB, WILDCAT BELOW TUBB. *BLINEBRY, TUBB, PENNSYLVANIAN.
 CEMENTING PROGRAM: CONDUCTOR - REDI-MIX
 SURFACE - 600 SACKS CLASS C w/ 2% GEL & 2% CaCl2 (14.2ppg, 1.50cf/s, 7.6gw/s). F/B 200 SACKS CLASS C w/ 2% CaCl2 (14.8ppg, 1.32cf/s, 6.3gw/s).
 INTERMEDIATE - 1400 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.87cf/s, 9.9gw/s). F/B 250 SACKS CLASS H w/ 2% CaCl2 (15.6ppg, 1.19cf/s, 5.2gw/s).
 PRODUCTION - 1st STAGE: 250 SACKS 35/ 65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.87cf/s, 9.9gw/s). F/B 600 SACKS 50/50 POZ CLASS H w/ 2% GEL, 5% SALT, 1/4# FLOCELE (14.2ppg, 1.28cf/s, 5.75gw/s).
 DV TOOL @ 4800'. 400 SACKS 35/65 POZ CLASS H w/ 6% GEL, 5% SALT & 1/4# FLOCELE (12.8ppg, 1.87cf/s, 9.9gw/s). F/B 100 SACKS CLASS H (15.6ppg, 1.18cf/s, 5.2gw/s).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

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.

SIGNATURE C. P. Basham/cwh TITLE DRILLING OPERATIONS MANAGER DATE 09-08-92
 TYPE OR PRINT NAME C. P. BASHAM TELEPHONE NO. 915-688-4620

(This space for State Use)
 APPROVED BY [Signature] TITLE DISTRICT 1 SUPERVISOR DATE SEP 11 '92
 CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

Submit to Appropriate District Office
State Lease - 6 copies
Fee Lease - 5 copies

OIL CONSERVATION DIVISION
RECEIVED
AM 9 13

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

| |
|---|
| WELL API NO. 30-025-31727 |
| 5. Indicate Type of Lease STATE <input type="checkbox"/> FEB <input checked="" type="checkbox"/> |
| 6. State Oil & Gas Lease No. --- |

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | |
|--|--|
| 1a. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____ | 7. Lease Name or Unit Agreement Name L. VAN ETTEN |
| b. Type of Completion: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DEEP RESVR <input type="checkbox"/> OTHER _____ | |
| 2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC. | 8. Well No. 13 |
| 3. Address of Operator P. O. Box 3109, Midland, Texas 79702 | 9. Pool name or Wildcat CASS PENN |

4. Well Location
Unit Letter K : 1653 Feet From The SOUTH Line and 2307 Feet From The WEST Line
Section 9 Township 20-SOUTH Range 37-EAST NMPM LEA County

| | | | | |
|------------------------------|-----------------------------------|--|--|-------------------------------|
| 10. Date Spudded 09-24-92 | 11. Date T.D. Reached 10-18-92 | 12. Date Compl. (Ready to Prod.) 11-16-92 | 13. Elevations (DF& RKB, RT, GR, etc.) GR-3541', KB-3555' | 14. Elev. Casinghead 3541' |
|------------------------------|-----------------------------------|--|--|-------------------------------|

| | | | | |
|--------------------------|-----------------------------|--|---|-------------|
| 15. Total Depth 7875' | 16. Plug Back T.D. 7850' | 17. If Multiple Compl. How Many Zones? | 18. Intervals Drilled By Rotary Tools 0-7875' | Cable Tools |
|--------------------------|-----------------------------|--|---|-------------|

19. Producing Interval(s), of this completion - Top, Bottom, Name
7782-7796: PENNSYLVANIAN

20. Was Directional Survey Made
YES

21. Type Electric and Other Logs Run
GR-DIL-LSS-CAL, GR-CNL-LDT-NGT, GR-EPT, GR-CCL

22. Was Well Cored
NO

23. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|----------------------|---------------|
| 11 3/4 | 42 | 1150' | 14 3/4 | 900 SX, CIRC 75 SX | |
| 8 5/8 | 32 | 4000' | 11 | 1650 SX, CIRC 150 SX | |
| 5 1/2 | 15.5 & 17 | 7875' | 7 7/8 | 1500 SX, CIRC 185 SX | |
| | | | | DV TOOL @ 4809' | |

| 24. LINER RECORD | | | | 25. TUBING RECORD | | | |
|------------------|-----|--------|--------------|-------------------|-------|-----------|------------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
| | | | | | 2 7/8 | 7798' | |

| | | |
|---|---|--|
| 26. Perforation record (interval, size, and number) 7782-7796 w/ 2 JSPF (28 HOLES) | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. | |
| | DEPTH INTERVAL 7782-7796 | AMOUNT AND KIND MATERIAL USED ACID - 3200 GAL 15% HCL |

28. PRODUCTION

| | | | | | | | |
|-----------------------------------|--|-------------------------|------------------------|-------------------|---|--|------------------------|
| Date First Production 10-30-92 | Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING 2.5 x 1.75 x 24 | | | | Well Status (Prod. or Shut-in) PRODUCING | | |
| Date of Test 11-19-92 | Hours Tested 24 | Choke Size | Prod'n For Test Period | Oil - Bbl. 270 | Gas - MCF 194 | Water - Bbl. 270 | Gas - Oil Ratio 719 |
| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API - (Corr.) 40.3 @ 60 F | |

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
VENTED FOR TEST PURPOSES ONLY

Test Witnessed By
DAVID THAYER

30. List Attachments
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham/cwH Printed Name C. P. BASHAM Title DRLG. OPER. MGR. Date 11-23-92

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

| | | | |
|----------------------------|------------------------|-----------------------------|------------------------|
| T. Anhy <u>1146'</u> | T. Canyon _____ | T. Ojo Alamo _____ | T. Penn. "B" _____ |
| T. Salt _____ | T. Strawn _____ | T. Kirtland-Fruitland _____ | T. Penn. "C" _____ |
| B. Salt _____ | T. Atoka _____ | T. Pictured Cliffs _____ | T. Penn. "D" _____ |
| T. Yates <u>2515'</u> | T. Miss _____ | T. Cliff House _____ | T. Leadville _____ |
| T. 7 Rivers <u>2789'</u> | T. Devonian _____ | T. Menefee _____ | T. Madison _____ |
| T. Queen <u>3279'</u> | T. Silurian _____ | T. Point Lookout _____ | T. Elbert _____ |
| T. Grayburg <u>3563'</u> | T. Montoya _____ | T. Mancos _____ | T. McCracken _____ |
| T. San Andres <u>3949'</u> | T. Simpson _____ | T. Gallup _____ | T. Ignacio Otzte _____ |
| T. Glorieta <u>5120'</u> | T. McKee _____ | Base Greenhorn _____ | T. Granite _____ |
| T. Paddock <u>5222'</u> | T. Ellenburger _____ | T. Dakota _____ | T. _____ |
| T. Blinebry <u>5724'</u> | T. Gr. Wash _____ | T. Morrison _____ | T. _____ |
| T. Tubb <u>6294'</u> | T. Delaware Sand _____ | T. Todilto _____ | T. _____ |
| T. Drinkard <u>6596'</u> | T. Bone Springs _____ | T. Entrada _____ | T. _____ |
| T. Abo <u>6908'</u> | T. _____ | T. Wingate _____ | T. _____ |
| T. Wolfcamp _____ | T. _____ | T. Chinle _____ | T. _____ |
| T. Penn <u>7773'</u> | T. _____ | T. Permian _____ | T. _____ |
| T. Cisco (Bough C) _____ | T. _____ | T. Penn "A" _____ | T. _____ |

OIL OR GAS SANDS OR ZONES

No. 1, from 7782 to 7796 No. 3, from to
 No. 2, from to No. 4, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet
 No. 2, from to feet
 No. 3, from to feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

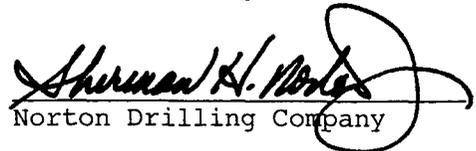
| From | To | Thickness in Feet | Lithology | From | To | Thickness in Feet | Lithology |
|------|------|----------------------|-------------------------|------|----|----------------------|-----------|
| 5724 | 6294 | 570 | DOLOMITE w/ LIMESTONE | | | | |
| 6294 | 6596 | 302 | DOLOMITE w/ L.S. & SAND | | | | |
| 7773 | 7875 | 102 | DOLOMITE | | | | |
| | | | | | | | |
| | | | | | | | |

RECEIVED
 NOV 24 1992
 BOB HOBBS OTRP

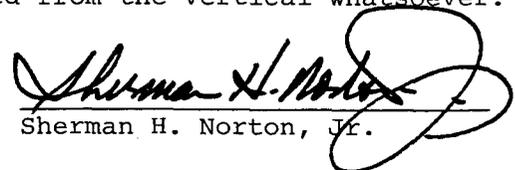
Deviation surveys taken on Texaco Exploration & Production's L. Van Etten #13 well in Lea County, New Mexico: 1653/S + 2307/W 9-20-87

| <u>Depth</u> | <u>Degree</u> |
|--------------|---------------|
| 485 | 1.00 |
| 891 | .75 |
| 1033 | .75 |
| 1150 | .75 |
| 1635 | .75 |
| 2311 | .75 |
| 2764 | .50 |
| 3260 | .75 |
| 3548 | .50 |
| 4000 | .50 |
| 4499 | 1.50 |
| 4992 | 2.00 |
| 5492 | 1.25 |
| 5947 | .75 |
| 6422 | 2.00 |
| 6908 | 3.25 |
| 7344 | 2.00 |

I hereby certify that I have personal knowledge of the facts placed on this sheet and that such information given above is true and complete.

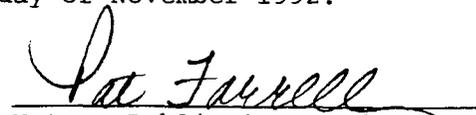

Norton Drilling Company

Before me, the undersigned authority, on this day personally appeared Sherman H. Norton, Jr., known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is the drilling contractor of the well identified in this instrument and that such well was not intentionally deviated from the vertical whatsoever.


Sherman H. Norton, Jr.

SWORN AND SUBSCRIBED TO before me this 10th day of November 1992.




Notary Public in and for
Lubbock County, Texas.

Submit to Appropriate District Office
 State Lease - 4 copies
 Fee Lease - 3 copies

State of New Mexico
 Energy, Minerals and Natural Resources Department

Form C-102
 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| | | | | | |
|---|--------------|----------------------|------------------------|----------------|----------------|
| Operator TEXACO EXPL. AND PROD. INC. | | | Lease L. VAN ET TEN | | Well No. 13 |
| Unit Letter K | Section 9 | Township 20-South | Range R-37-E | County NMPM | Lea |

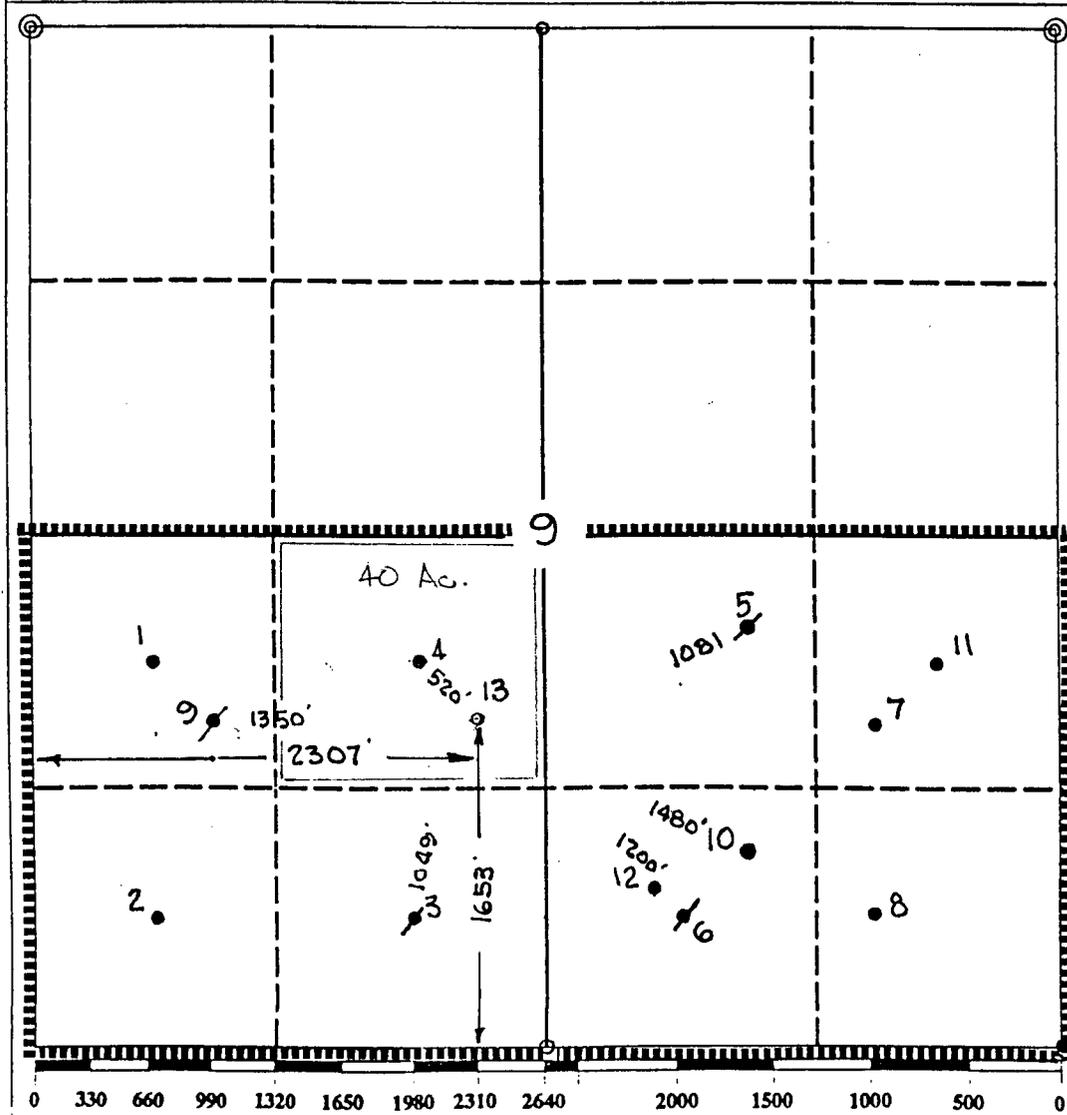
Actual Footage Location of Well:
 1653 feet from the South line and 2307 feet from the West line

| | | | |
|----------------------------|---|--|--------------------------------|
| Ground level Elev. 3541 | Producing Formation Blinebry; Pennsylvanian Wier Blinebry; Wildcat | Pool Blinebry; Pennsylvanian Wier Blinebry; Wildcat | Dedicated Acreage: 40 Acres |
|----------------------------|---|--|--------------------------------|

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Royce D. Mariott
 Printed Name
 Royce D. Mariott
 Position
 Division Surveyor
 Company
 Texaco Expl. & Prod.
 Date
 September 3, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
 September 1, 1992
 Signature & Seal of Professional Surveyor
John S. Piper
 Certificate No.
 7254 John S. Piper

OIL CONSERVATION DIVISION

DISTRICT I
 P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
 P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

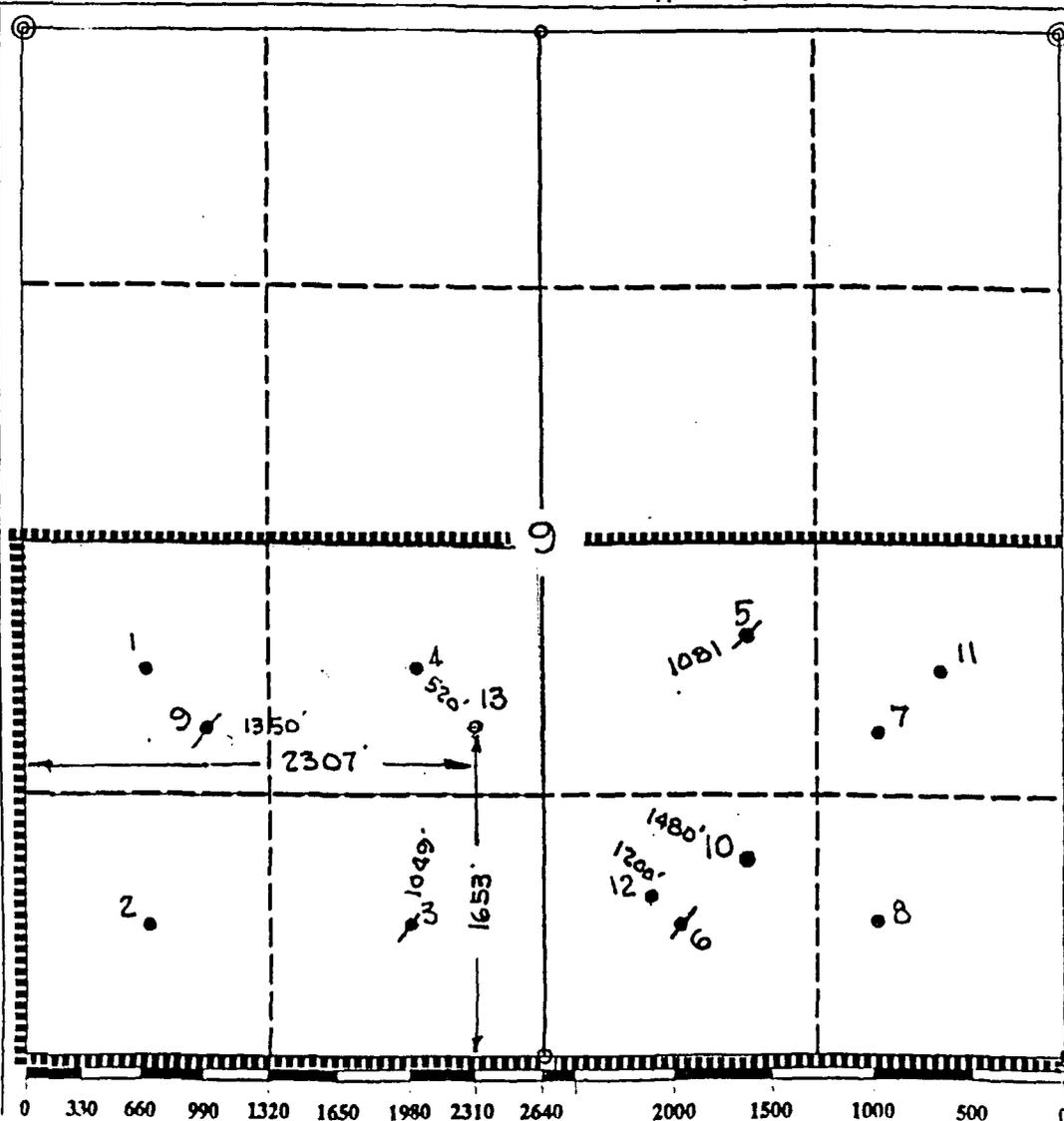
All Distances must be from the outer boundaries of the section

| | | | | | |
|--|---|-----------------------------|------------------------------|---------------------------------------|-----------------------|
| Operator TEXACO EXPL. AND PROD. INC. | | | Lease L. VAN ETTEN | | Well No. 13 |
| Unit Letter K | Section 9 | Township 20-South | Range R-37-E | County Lea | |
| Actual Footage Location of Well: 1653 feet from the South line and 2307 feet from the West line | | | | | |
| Ground level Elev. 3541 | Producing Formation Pennsylvanian | | Pool Cass Penn | Dedicated Acreage: 80 Acres | |

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, unitization, force-pooling, etc.?
 Yes No If answer is "yes" type of consolidation _____

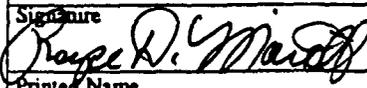
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



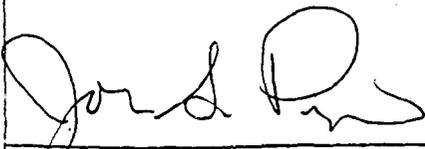
OPERATOR CERTIFICATION

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

Signature

 Printed Name
Royce D. Mariott
 Position
Division Surveyor
 Company
Texaco Expl. & Prod.
 Date
September 3, 1992

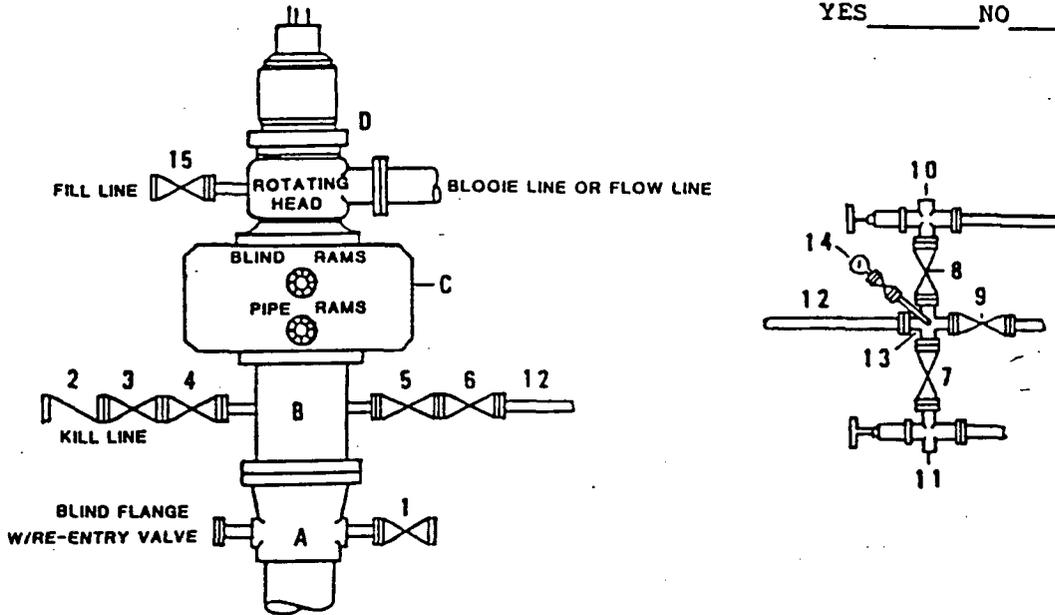
SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
September 1, 1992
 Signature & Seal of Professional Surveyor

 Certificate No.
7254 John S. Piper

**DRILLING CONTROL
CONDITION II-B 3000 WP
FOR AIR DRILLING OR
WHERE NITROGEN OR AIR BLOWS ARE EXPECTED**

H₂S TRIM REQUIRED
YES _____ NO _____



DRILLING CONTROL

MATERIAL LIST - CONDITION II - B

- A Texaco Wellhead
- B 3000# W.P. drilling spool with a 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- C 3000# W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000# W.P. control lines (where sub-structure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Bloopie Line.
- 1,3,4,7,8, 2" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 2 2" minimum 3000# W.P. back pressure valve.
- 5,6,9 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve.
- 12 3" minimum schedule 80, Grade "B", seamless line pipe.
- 13 2" minimum x 3" minimum 3000# W.P. flanged cross.
- 10,11 2" minimum 3000# W.P. adjustable choke bodies.
- 14 Cameron Mud Gauge or equivalent (location optional in choke line).
- 15 2" minimum 3000# W.P. flanged or threaded full opening steel gate valve, or Halliburton Lo Torc Plug valve.



TEXACO, INC.
MIDLAND DIVISION
MIDLAND, TEXAS



| | | | |
|--------------|------|----------|----------|
| SCALE: | DATE | EST. NO. | DRG. NO. |
| DRAWN BY: | | | |
| CHECKED BY: | | | |
| APPROVED BY: | | | |

EXHIBIT C