

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

OIL CONSERVATION DIVISION
RECEIVED

DEC 29 AM 9 11

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) 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"/>	
<input checked="" type="checkbox"/> Other (Please explain) CHANGE IN LOCATION OF TANKS DUE TO CONSTRUCTION OF NEW BATTERY EFFECTIVE 1-1-93	
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name L. VAN ETEN	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 Line 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 K	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	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.

Signature Monte C. Duncan
Printed Name MONTE C. DUNCAN ENGR. ASST.
Date 12-17-92 Title 505-393-7191
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.

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

OIL CONSERVATION DIVISION

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

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 ETEN	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.

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

OIL CONSERVATION DIVISION

Date Approved
NOV 24 '92
By
DISTRICT 1 SUPERVISOR
Title

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

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

OIL CONSERVATION DIVISION
RECEIVED

AM 9 57

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) New Well <input checked="" type="checkbox"/> Other (Please explain) Recompletion <input type="checkbox"/> Change in Transporter of: Change in Operator <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/> REQUEST TEST ALLOWABLE 2800 bbls - Nov. 1992	

If change of operator give name
and address of previous operator

II. DESCRIPTION OF WELL AND LEASE

Lease Name L. VAN ETEN	Well No. 13	Pool Name, Including Formation Undesignated Strawn	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 Line 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? NO	When ?

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 9-23-92	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.



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 

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
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
P.O. Box 2088

DISTRICT II
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 ☐ FEE ☒

6. State Oil & Gas Lease No.
- - -

7. Lease Name or Unit Agreement Name

L. VAN ETEN

8. Well No.
13

9. Pool name or Wildcat

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
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

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 ☒

OTHER: PRODUCTION CASING ☒

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 / cwn

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

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

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

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

WELL API NO.
30 025 31727

5. Indicate Type of Lease
STATE ☐ FEE ☒

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 ☒ 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

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:

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 ☐
OTHER: COMPLETING ☒

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'. PERFED 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

RECEIVED

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

DISTRICT II
P.O. 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

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 ☐

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 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. 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

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

RECEIVED

OIL CONSERVATION DIVISION

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

WELL AP NO.

30-025-31727

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

L. VAN ETEN

1a. Type of Well:

OIL WELL ☒

GAS WELL ☐

DRY ☐

OTHER

b. Type of Completion:

NEW
WELL ☒

WORK
OVER ☐

DEEPEN ☐

PLUG
BACK ☐

DEEP
RESER ☐

OTHER

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

8. Well No.

13

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 (DFA 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

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 7/8	7798'	

25. TUBING RECORD

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>1148'</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. 2, from to
No. 3, 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
5724	6294	570	DOLOMITE w/ LIMESTONE
6294	6596	302	DOLOMITE w/ L.S. & SAND
7773	7875	102	DOLOMITE

RECEIVED

NOV 24 1992

OGD HOBBS OFFICE

RECEIVED

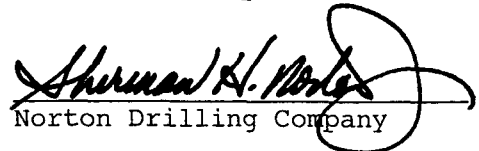
NOV 24 1992

000 H0336 0-737

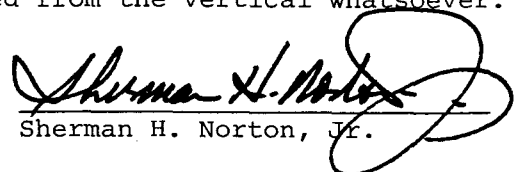
Deviation surveys taken on Texaco Exploration & Production's L. Van Etten #13 well in Lea County, New Mexico: 1653/8 + 2307/W 9-20-87

<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.

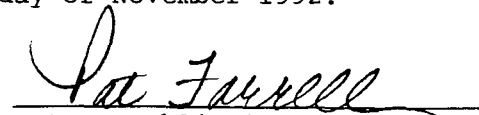

Norton Drilling Company

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.

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 ETEN		Well No. 13
Unit Letter K	Section 9	Township 20-South	Range R-37-E	County Lea	NMPM
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

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

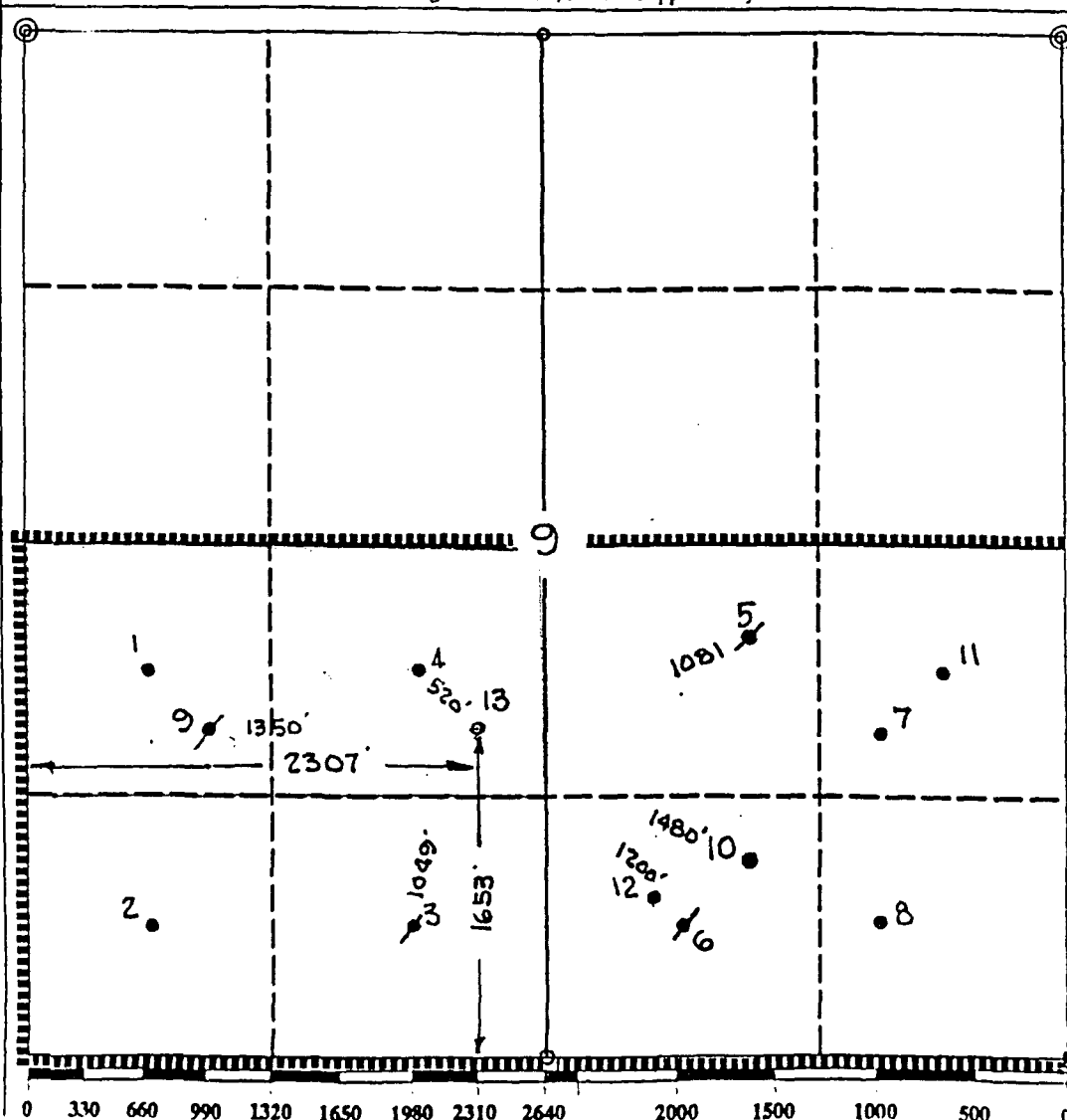
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. 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

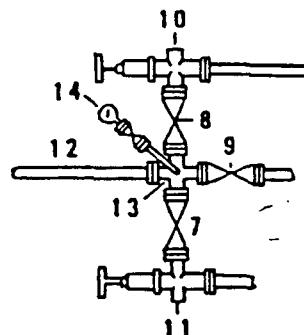
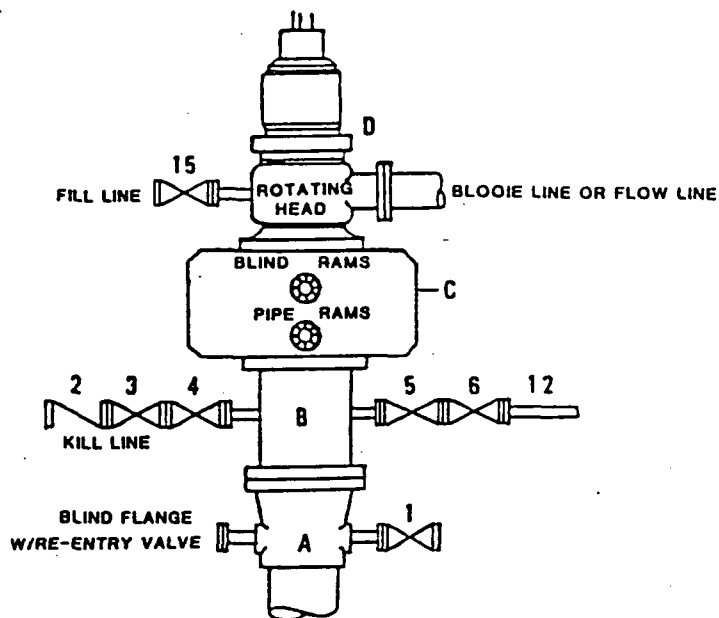
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

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

John S. Piper
Certificate No.
7254 John S. Piper

**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 Blooie 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