

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

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

API NO. (assigned by OCD on New Wells)

30-025-31195

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

B-155

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL

GAS

WELL ☒

WELL ☐

OTHER ☐

SINGLE

ZONE ☒

MULTIPLE

ZONE ☐

2. Name of Operator

TEXACO PRODUCING INC.

7. Lease Name or Unit Agreement Name

CENTRAL VACUUM UNIT

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

8. Well No.

291

9. Pool name or Wildcat

VACUUM GRAYBURG SAN ANDRES

4. Well Location

Unit Letter

N

:

660

Feet From The

SOUTH

Line and

1330

Feet From The

WEST

Line

Section

36

Township 17-SOUTH

Range 34-EAST

NMPM

LEA

County

10. Proposed Depth

4850'

11. Formation

GRAYBURG-S.A.

12. Rotary or C.T.

R

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

GR-3999'

14. Kind & Status Plug. Bond

BLANKET

15. Drilling Contractor

16. Approx. Date Work will start

05-01-91

17. PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
22 1/2	18 5/8	87.5#	40'	REDI-MIX	SURFACE
17 1/2	13 3/8	48# & 54.5#	1550'	2000	SURFACE
*12 1/4	*9 5/8	36#	2800'	1400	SURFACE
8 3/4	7	26#	4850'	*750, 1900	SURFACE

*9 5/8 OPTIONAL - WILL BE SET IF A WATER FLOW IS ENCOUNTERED.

CEMENTING PROGRAM ATTACHED.

THERE ARE NO OTHER OPERATORS IN THIS QUARTER/QUARTER SECTION.

UNORTHODOX LOCATION - 10 ACRE SPACING.

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. Wade Howard

TITLE

ENGINEERING ASSISTANT

DATE

03-29-91

TYPE OR PRINT NAME

C. WADE HOWARD

TELEPHONE NO. 915-688-4606

(This space for State Use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NSL-3006

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

APR 30 1991

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Fee Lease - 3 copies

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Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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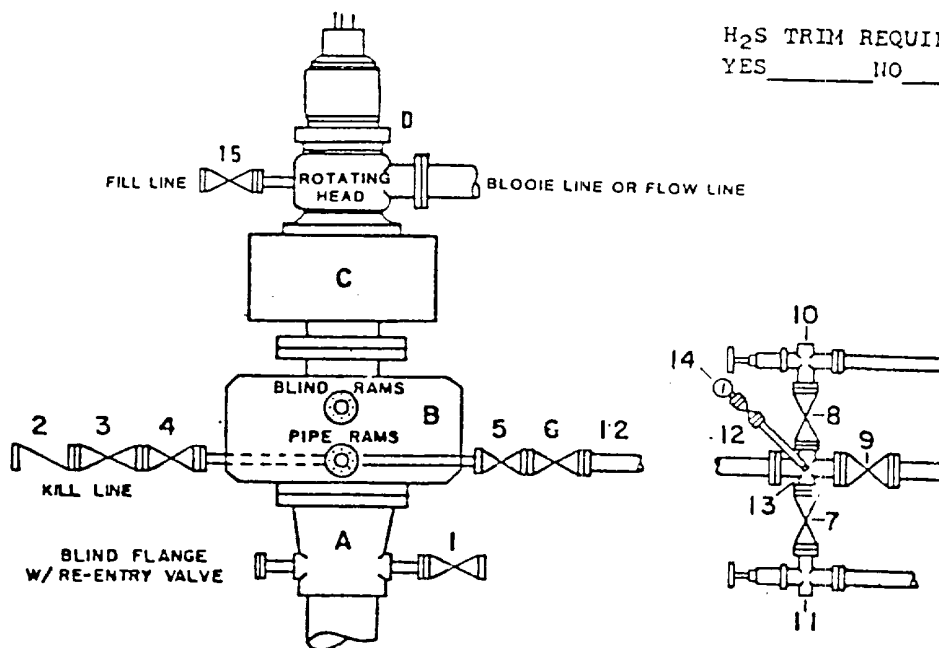
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO PRODUCING INC.			Lease Central Vacuum Unit		Well No. 291
Unit Letter N	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 660 feet from the South line and 1330 feet from the West line					
Ground level Elev. 3999	Producing Formation Grayburg; San Andres		Pool Vacuum Grayburg-San Andres	Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.</p> <p>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).</p> <p>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.? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation <u>unitization</u></p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>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.</p>					
				<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p>Signature <u>Royce D. Mariott</u></p> <p>Printed Name Royce D. Mariott</p> <p>Position Division Surveyor</p> <p>Company Texaco Producing Inc.</p> <p>Date March 11, 1991</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date Surveyed March 6, 1991</p> <p>Signature & Seal of Professional Surveyor <u>John S. Piper</u></p> <p>Certificate No. 7254 John S. Piper</p>	

DRILLING CONTROL **CONDITION III-B 3000 PSI WP**



H₂S TRIM REQUIRED
 YES _____ NO _____

DRILLING CONTROL

MATERIAL LIST - CONDITION III - B

- | | |
|----------------|---|
| A | Texaco Wellhead |
| B | 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 preventers may be utilized with 3000# W.P. drilling spool with 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. The drilling spool is to be installed below the single ram type preventers). |
| C | 3000# W.P. Annular Preventer with 1" steel, 3000# W.P. control lines. |
| D | Rotating Head with fill up outlet and extended Bloode 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. |

SCALE	DATE	EST. NO.	DRG. NO.
DRAWN BY			
CHECKED BY			
APPROVED BY			



TEXACO, INC.
 MIDLAND DIVISION
 MIDLAND, TEXAS



EXHIBIT E

CENTRAL VACUUM UNIT

CEMENTING PROGRAM

CONDUCTOR CASING: REDIMIX

SURFACE CASING: 1700 SACKS CLASS H WITH 2% GEL & 2% Cacl₂ (14.8ppg, 1.28f₃/s, 6.5 gw/s). F/B 300 SACKS CLASS H WITH 2% Cacl₂ (15.6ppg, 1.19f₃/s, 5.2gw/s).

INTERMEDIATE CASING: 450 SACKS 50/50 POZ CLASS H WITH 2% GEL, 5% SALT (14.25ppg, 1.28 f₃/s, 5.75gw/s). F/B 250 SACKS CLASS H WITH 2% Cacl₂ (15.6ppg, 1.19f₃/s, 5.2gw/s).

DV TOOL AT 1600': 700 SACKS CLASS H WITH 2% Cacl₂ (15.6ppg, 1.19 f₃/s, 5.2 gw/s).

PRODUCTION CASING

WITH INTERMEDIATE: 500 SACKS 35/65 POZ CLASS H WITH 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.87 f₃/s, 9.9 gw/s). F/B 250 SACKS CLASS H WITH 1/4# FLOCELE (15.6ppg, 1.18f₃/s, 5.2 gw/s).

PRODUCTION CASING

WITHOUT INTERMEDIATE: 1650 SACKS 35/65 POZ CLASS H WITH 6% GEL, 5% SALT, 1/4# FLOCELE (12.8ppg, 1.87 f₃/s, 9.9 gw/s). F/B 250 SACKS CLASS H (15.6ppg, 1.18 f₃/s, 5.2 gw/s).

AN ECP WILL BE SET @ 1600' IF A WATERFLOW IS ENCOUNTERED.