

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-101

Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT**OIL CONSERVATION DIVISION**

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address TEXACO EXPLORATION & PRODUCTION INC. P.O. Box 3109, Midland Texas 79702		² OGRID Number 022351
		³ API Number 30-015-28352
⁴ Property Code 16651	⁵ Property Name HARROUN '32' STATE COM.	⁶ Well No. 1

7 Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
K	32	23-S	29-E		1650	SOUTH	2000	WEST	EDDY

8 Proposed Bottom Hole Location If Different From Surface

UI or lot no.	Section	Township	Range	Lot.Idn	Feet From The	North/South Line	Feet From The	East/West Line	County
⁹ Proposed Pool 1 LAGUNA SALADO, ATOKA 79860					¹⁰ Proposed Pool 2				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Rotary or C.T. ROTARY	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 2952'
¹⁶ Multiple No	¹⁷ Proposed Depth 12500'	¹⁸ Formation ATOKA	¹⁹ Contractor	²⁰ Spud Date 4/30/95

21 Proposed Casing and Cement Program

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17 1/2	13 3/8	48#	350'	225 SACKS	SURFACE
12 1/4	9 5/8	36#	2800'	1170 SACKS	SURFACE
8 3/4	7	26#	10550'	2075 SACKS	SURFACE
6 1/8	5" LINER	18#	12500'	490 SACKS	9200' (LN TOP)

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

CEMENTING PROGRAM: SURFACE CSG. - 225 SACKS CLASS C w/ 2% CC (14.8 PPG, 1.34 CF/S, 6.3 GW/S).

1st INTERMEDIATE - 870 SACKS 35/65 POZ H w/ 6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 300 SACKS CLASS H w/ 2% CC (15.6 PPG, 1.19 CF/S, 5.2 GW/S).

2nd INTERMEDIATE - 950 SACKS 35/65 POZ H w/ 6% GEL, 5% SALT, 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 50 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S).

DV TOOL @ 5300': 2nd STAGE - 875 SACKS 35/65 POZ H w/ 6% GEL, 5% SALT 1/4# FC (12.8 PPG, 1.94 CF/S, 10.4 GW/S). F/B 200 SACKS CLASS H (15.6 PPG, 1.18 CF/S, 5.2 GW/S).

LINER: 490 SACKS CLASS H w/ 2 GPS D600, .02 GPS M45, 2% B28, .3% D800 (15.6 PPG, 1.20 CF/S, 5.3 GW/S).

THERE ARE NO OTHER OPERATORS IN THIS QUARTER QUARTER SECTION.

²³ 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

C. Wade Howard

Printed Name

C. Wade Howard

Title

Eng. Assistant

Date

2/17/95

Telephone

688-4606

OIL CONSERVATION DIVISION

Approved By:

**ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR**

Title:

Approval Date: FEB 27 1995

Expiration Date: 8-27-95

Conditions of Approval:

Attached ☐

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P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

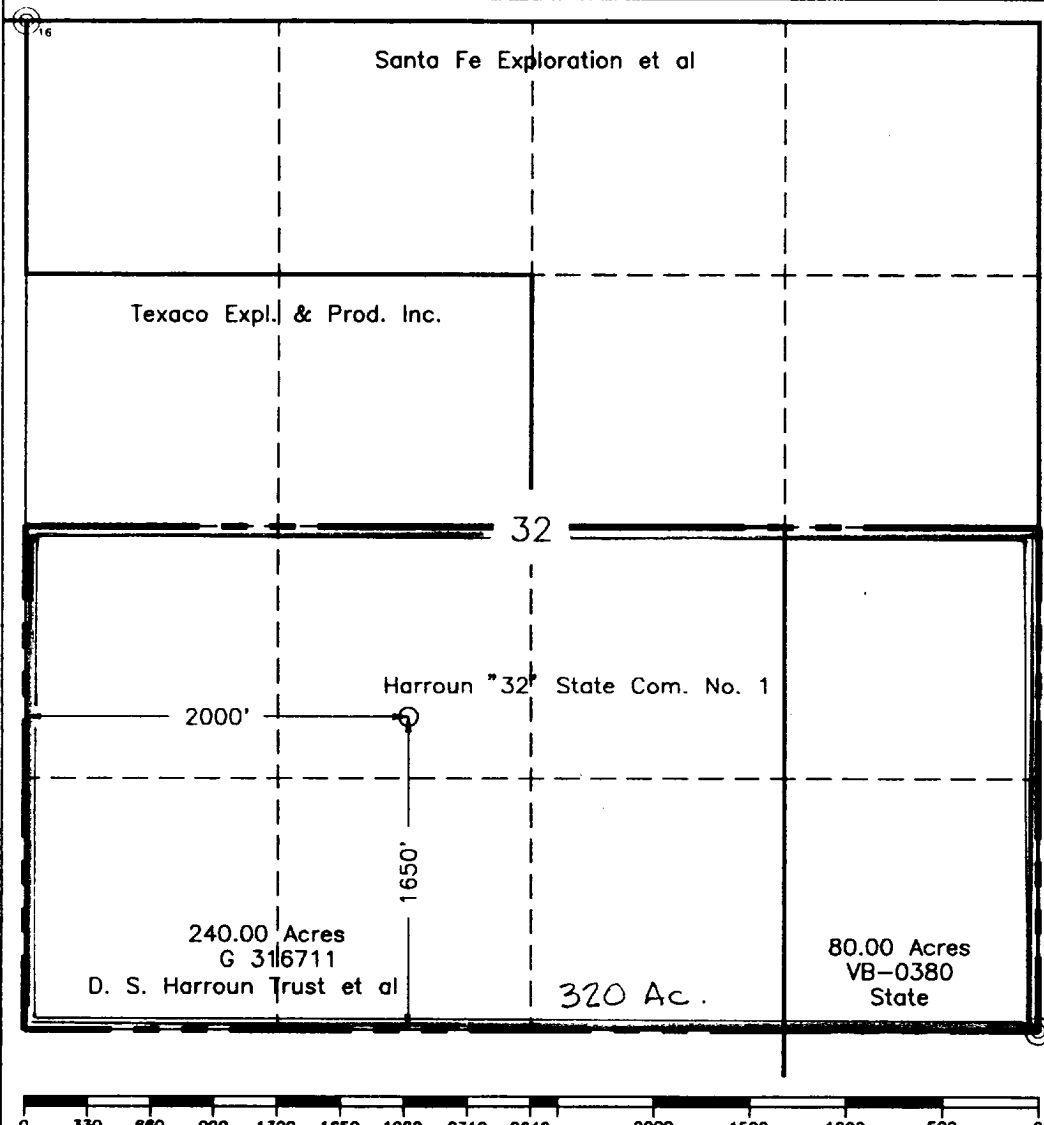
State Lease-4 copies
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-28352		² Pool Code 79860		³ Pool Name Laguna Salado Atoka					
⁴ Property Code		⁵ Property Name Harroun "32" State Com.			⁶ Well Number 1				
⁷ OGRID No. 22351		⁸ Operator Name TEXACO EXPLORATION & PRODUCTION, INC.			⁹ Elevation 2952				
¹⁰ Surface Location									
UL or lot no. K	Section 32	Township 23-S	Range 29-E	Lot Idn	Feet from the 1650'	North/South line South	Feet from the 2000'	East/West line West	⁷ County Eddy
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	⁷ County
¹² Dedicated Acres 320		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

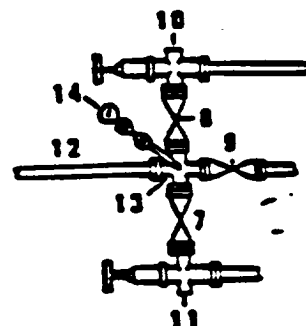
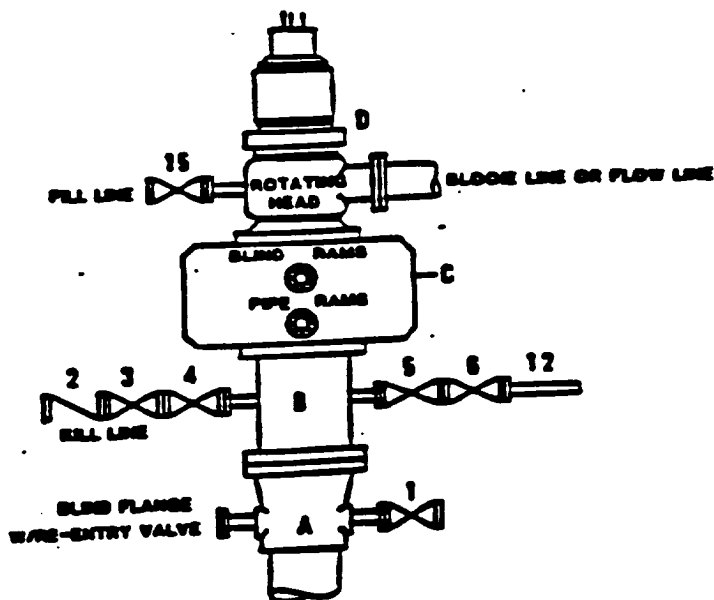
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.

	¹⁶ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>C. Wade Howard</i> Printed Name: C. Wade Howard Position: Engineer Assistant Company: Texaco Expl. & Prod. Inc. Date: February 10, 1995
	¹⁸ 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: February 8, 1995 Signature & Seal of Professional Surveyor: <i>John S. Piper</i> Certificate No.: 7254 John S. Piper Sheet

○ = Staked Location ● = Producing Well ⚡ = Injection Well ⦿ = Water Supply Well ✖ = Plugged & Abandon Well

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

N₂S 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. Seal 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 bleed line. |
| 1,3,4,7,8. | 2" minimum 3000 W.P. flanged full opening steel gate valve, or Halliburton Lo Terc 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 Terc 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 Terc Plug valve. |



TEXACO, INC.
Wellbore Division
Houston, Texas



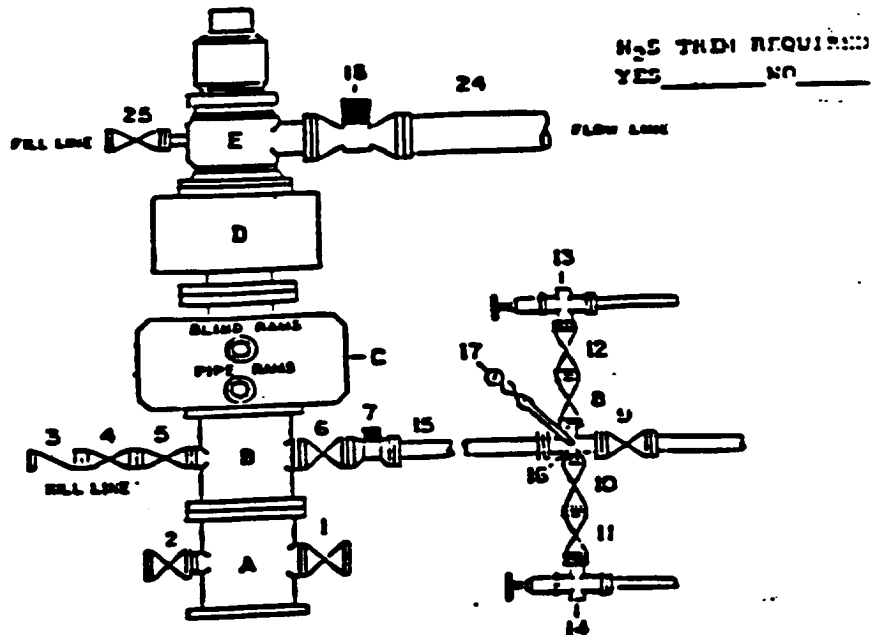
EXHIBIT

C

SCALE	DATE	EDT NO	DRG NO
DRAWN BY			
CHECKED BY			

To BE USED AFTER 7" CASING IS SET AT 10,550'

DRILLING CONTROL CONDITION IV-B-5000 PSI WP



DRILLING CONTROL MATERIAL LIST - CONDITION IV - B

- A Torque Wellhead
- B 5000: W.P. Drilling spool with a minimum 3" flanged outlet for fill line and 3" minimum flanged outlet for choke line.
- C 5000: W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000: W.P. control lines.
- D 5000: W.P. Annular Preventer, hydraulic operated with 1" steel, 5000: W.P. control lines.
- E Rotating Head with fill up outlet and extended blind ram.
- 1,2,4,6, 8,10,11, 13 3" minimum 5000: W.P. Flanged full opening steel gate valve, or Halliburton Le Tote Plug valve.
- 3 3" minimum 5000: W.P. back pressure valve.
- 4,6 3" minimum 5000: W.P. Flanged full opening steel gate valve, or Halliburton Le Tote Plug valve.
- 7 3" minimum 5000: W.P. Flanged hydraulic valve
- 15 3" minimum Schedule 80, Grade 8, seamless line pipe
- 16 3" minimum x 3" 5000: W.P. Flanged cross
- 13,14 3" minimum 5000: W.P. adjustable choke with carbide seat.
- 17 Cameron Red Clump or equivalent (location on choke line optional).
- 18 6" minimum 1000: hydraulic flanged valve.
- 24 6" minimum steel flow line.
- 25 3" minimum 5000: W.P. Flanged or threaded full opening steel gate valve, or Halliburton Le Tote Plug valve.

EXHIBIT D

