

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

RECEIVED

MAY - 6 1997

OIL CON. DIV.
DIST. 2

1. Type of Well: ☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. P.O. Box 3109, Midland Texas 79702

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter O : 625 Feet From The SOUTH Line and 1709 Feet From The

EAST Line Section 22 Township 17-S Range 31-E

5. Lease Designation and Serial No.

LC 029420A

6. If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation
SKELLY UNIT

8. Well Name and Number
SKELLY UNIT

904

9. API Well No.

30 015 29461

10. Field and Pool, Exploratory Area

WILDCAT - ABO, UNDESIGN. WOLFCAMP, FREN Paddock

11. County or Parish, State

EDDY, NM

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input checked="" type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> OTHER: CHANGE OF POOLS	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

THIS WELL WILL NOW BE DRILLED TO A TOTAL DEPTH OF 9200'. REQUESTED POOLS TO PERMIT: FREN, PADDOCK; UNDESIGNATED WOLFCAMP; WILDCAT ABO.

SEE ATTACHED REVISED DRILLING PLAN FOR CHANGES CASING PROGRAM AND MUD PROGRAM. BELOW IS REVISED CEMENT PROGRAM.

SURFACE CASING - 350 SACKS CLASS C W/ 4% GEL, 2% CC (13.5 PPG, 1.74 CF/S, 9.1 GW/S). F/B 150 SACKS CLASS C W/ 2% CC (14.8 PPG, 1.34 CF/S, 6.3 GW/S). CIRCULATE CEMENT TO SURFACE.

INTERMEDIATE CASING - 700 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S, 11.9 GW/S) F/B 400 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S). CIRCULATE CEMENT TO SURFACE.

PRODUCTION CASING - 300 SACKS 35/65 POZ CLASS H W/ 6% GEL, 5% SALT, 1/4# FC (12.4 PPG, 2.14 CF/S, 11.9 GW/S). F/B 1200 SACKS 50/50 POZ CLASS H W/ 2% GEL, 5% SALT, 1/4# FC (14.2 PPG, 1.35 CF/S, 6.3 GW/S). TOP OF CEMENT AT 3250'.

14. I hereby certify that the foregoing is true and correct

SIGNATURE C. Wade Howard TITLE Eng. Assistant

DATE 4/24/97

TYPE OR PRINT NAME C. Wade Howard

(This space for Federal or State office use)
APPROVED BY (ORIG. SGD.) DAVID R. GLASS

PETROLEUM ENGINEER

DATE MAY 02 1997

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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

DISTRICT IV
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

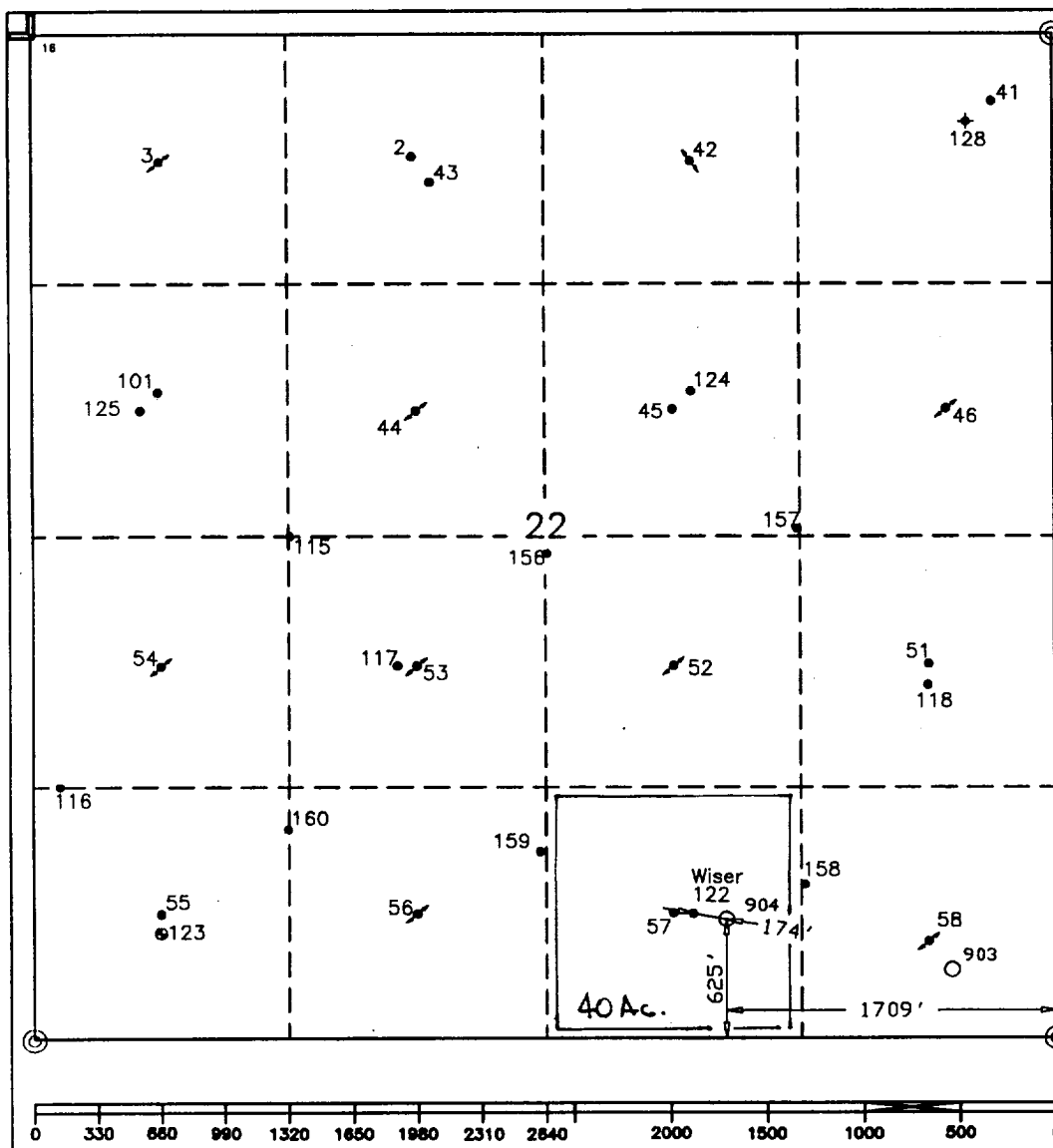
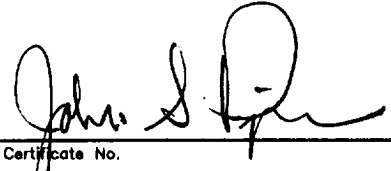
State Lease-4 copies
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
				Wildcat, ABO ; UNDESIGNATED, Wolfcamp, FREN, Paddock					
4 Property Code		5 Property Name							
11091		Skelly Unit NCT-1							
6 Well Number		904							
7 OGRID No.		8 Operator Name							
22351		TEXACO EXPLORATION & PRODUCTION, INC.							
9 Elevation									
3831'									
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	22	17-S	31-E		625'	South	1709'	East	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	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			
40									

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	
	C. Wade Howard	
	Printed Name	
	C. Wade Howard	
	Position	
	Engineer's Assistant	
	Company	
	Texaco Expl. & Prod. Inc.	
Date		
February 11, 1997		
17 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 6, 1996		
Signature & Seal of Professional Surveyor		
		
Certificate No.		
7254 John S. Piper		
Sheet 8 of 8		

○ = Staked Location ● = Producing Well ↗ = Injection Well ∇ = Water Supply Well ✕ = Plugged & Abandon Well

DRILLING PROGRAM

SKELLY UNIT WELL No. 904

SURFACE DESCRIPTION:

See Item 11 (other information) in the attached Surface Use and Operations Plan.

FORMATION TOPS: Estimated KB Elevation: 3845'

<u>Formation</u>	<u>Depth</u>	<u>Lithology</u>	<u>Fluid Content</u>
Rustler	600'	Anhy, Salt	----
Tansill	1570'	Anhy	----
Yates	1790'	Ss, Dolomite	----
Queen	2750'	Ss, Dolomite	Oil
Grayburg	3150'	Ss, Dolomite	----
San Andres	3550'	Dolo, Limestone	----
Paddock	5100'	Dolomite	Oil
Bone Springs	6960'	Sandstone	----
Abo	7550'	Dolomite	Oil
Wolfcamp	8800'	Limestone	Oil

The base of the salt section is the top of the Tansill at 1570'. No abnormal pressures or temperatures are anticipated to be encountered in this well. The Bottom Hole Pressure at T.D. is estimated to be 7.9 PPG EMW (3779 PSI).

H2S in the San Andres formation is possible. H2S RADIUS OF EXPOSURE: 100ppm = 199', 500ppm = 91', based on 4,300ppm H2S and 692 MCF (see attached H2S Drilling Operations Plan. H2S equipment to be operational prior to drilling out Surface Casing Shoe.)

Duration of Operations: 24 Days to Drill + 18 Days to Complete.

PRESSURE CONTROL EQUIPMENT:

A 3000 psi Dual Ram BOP with rotating head (See Exhibit C) will be installed after surface casing is set. We do not plan to have an annular preventer. We will be able to achieve full closure of the well with the double ram preventer. BOP will be tested each time it is installed on a casing string and at least every 29 days, and operated at least once each 24-hour period during drilling.

A PVT system will not be installed. We will be drilling thru the reserve pit and will circulate the steel pits one hour each tour to check for gains and losses and will be noted on the driller's log, which is Texaco's policy.

We do not plan to run an automatic remote-controlled choke. We will have installed and tested two manual, H2S trimmed, chokes

CASING AND CEMENT PROGRAM:

The cementing program is detailed on Form 3160-3. All casing will be new.

Surface Casing: 14 3/4" hole, 11 3/4", 42#, WC-50, STC, set @ 600'.

Intermediate Casing: 11" hole, 0' to 2200': 8 5/8", 24#, WC-50, STC
2200' to 3550': 8 5/8", 32#, WC-50, LTC, set @ 3550'

Production Casing: 7 7/8" hole, 0' to 1000': 5 1/2", 17#, WC-70, LTC
1000' to 9200': 5 1/2", 17#, WC-50, LTC, set @ 9200'.

Centralizer Program:

Surface Casing - Centralize the bottom 3 joints and every 4th to surface.

Intermediate Casing - Centralize the bottom 3 joints.

Production Casing - Centralize every other joint from TD to 5100'.

MUD PROGRAM:

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>
0'-600'	Fresh Water	8.4	28
600'-3550'	Brine	10.0	29
3550'-9200'	Fresh Water/Starch	8.4-8.8	29-40

LOGGING, TESTING:

GR-CAL-CNL-LDT, GR-CAL-DLL-MSFL, and GR-CAL-BHC surveys will be run.

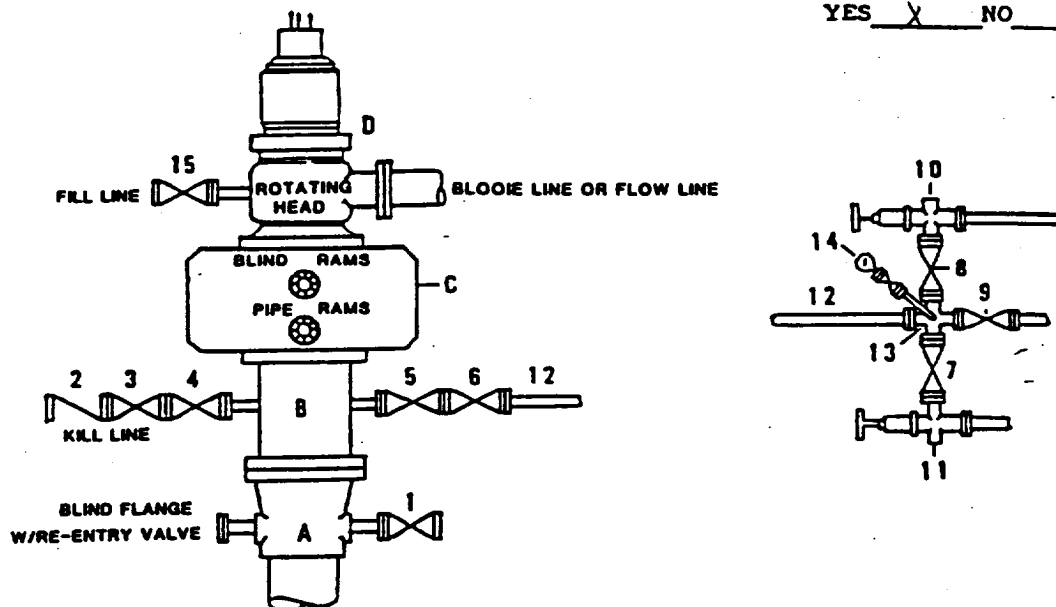
A two-man Mud Logging Unit will be used from 3550' to 9200'.

A drill stem test may be conducted in the Abo, if needed.

No cores will be taken.

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

H₂S TRIM REQUIRED
YES X 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 substructure height is adequate, 2 - 3000# W.P. single ram type preventers may be utilized).
- D Rotating Head with fill up outlet and extended Slooie 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	DWG. NO
DRAWN BY			
CHECKED BY			
APPROVED BY			

EXHIBIT C