Form 3160—3 (July 1989) (formerty 9—331	DE	[〕TED PARTMENT OI BUREAU OF LAN	P. STATES H THE INTER	-	REQUIRED	BIH Rose 882491fled ND60-31	60-2
APPLIC						LL 03209	6A
1a. TTPE OF WOR		PERMIT IU	DRILL, DEEPE	N, OR PLUG	BACK	G. IP INDIAN, A	L'LOTTER OR TRIBE NAME
D. TIPE OF WEL		Ē	DEEPEN	PLUG BA	a 🗆	7. UNIT AGASE	MBRT NAME
2. NAME OF OFEI	WELL	OTRER	RIN201			8. FARM OF LE	ARE NAME
Conoco, I				3 (715) 686-	6 Bhone No. -6548	Lockhart	A-27
3. ADDEERS OF OI		······································				9. WELL NO. 14	
10 Desta	Dr. Ste 100	W, Midland, T	X 79705			10. FIELD AND	POOL OR WILDCAT
At surince	AAA	fin clearly and in acc	ordance with any St	ate requirements.*)		Paddock	٠
At proposed p						11. SBC., T., B., AND SURVE	M., OR BLE. T OR AREA
	Pad	dock	Unit A			Sec. 27,	T-21S, R-37E
14. DINTANCE IN	MILER AND DIREC	TION PROM MEAREST TO	WN OR POST OFFICE	······································		12. COUNTY OR	PARISE 18. STATE
15. DISTANCE PRO	M PROPUERD*		110 10			Lea	NM
LOCATION TO PROPERTY OR (Also to neg	REARENT LEASE LINE, FT. rest drig. unit line		ID. NO.	OF ACRES IN LEASE	17. NO. 0 TO TH	ACESE ASSIGNS	4 0 ·
13. DISTANCE PRO TO NEAREST	N PROPOSED LOCA	TION®	19. PROI	TORKD DEPTH	20. 80748	T OR CARLE TOO	
VE AFFLIED FOR	L ON THIS LEASE, P	F		3800 '		Rotary	
21. ELEVATIONS (S	how whether DF, I	IT. GR. etc.)				22. APPROL. D.	ATS WORE WILL START*
23.						8/15	5/93
HOLE SIZE			SED CASING AND	CEMENTING PROGRA	M	_	
12-1/4"	CASING SIZE 8-5/8"	24#	GRADE K-55	THREAD	TYPE		WANTITT OF CENENT
7-7/8*	5-1/2*	17#	K-55	ST&C		1200 [′] 5350	500 circ.
						3330	700 circ.
	·		1		1		
It is pro	posed to di	ill this Padd	ock oil prod	ucer accordin	g_to_th	e drilling	plan submitted
1. Well 2. Attac 3. Propo 4. Surfa 5. EXHIE 6. EXHIE 7. EXHIE 8. EXHIE 9. EXHIE 10. BOP s 11. H2S D	Location ar chment to Fo psed Well Pl te Use Plar BIT A: New BIT B.1: Le BIT B.2: 7. BIT C.1-C.5: BIT D: Rig specification prilling Ope	nd Acreage Ded orm 3160-3 lan Outline Mexico road m ease road, fac 5' Quadrangle Road, Flowl Layout Plat ons rations Plan	ication Plat ap ility, & wel Topo Area M ine, & Power	(C-102) l location ma ap line plats	BUREAN	NE LAND MAR AECEIVE JUN 30	1993 N.M.
IN ABOVE SPACE DE zone. Il proposal preventer program, 24.	araing proroage : In to drill or deep if any.	PROGRAM : If proposal nem directionally, give	is to deepen or ping pertisent data on s	back, give data on pr ubsurface locations an	enent produc d meanured a	nd true maine	allows hew productive expise. Give blowout
	ssif N/		TITLE Sr.	Conservation (Coordina	tor	6/29/93
(This apper for	Federal or State	office ane)		<u> </u>			
PERNIT NO.			A D0				
	PRIG. SGD.) R	ICHARD L. MAI		EA MANAGER		DATE AU	16 5 - 1993
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*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department of accency of the

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

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State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 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 58210

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								
Operator	CONOCO	INC.	LOCKHART "A-27"			Well No.		
Unit Letter	Section	Township	Range			County	L	
•	27	21 SOUTH		37 EAST			1 54	
Actual Footage Loc	ation of Well:				NMPM	L	LEA	· <u> </u>
660 fee Ground Level Elev		RTH line and	990		feet from	the EAS	line	
3397.2'		dock	Pool Pa	ddoek			Dedicated Acre	arte:
	and the second se						40	Acres
I. Outline the a	creage dedicated to	the subject well by colored	pencil or hach	ure marks on th	e plat below.			
2. If more than	one lease is dedic	ated to the well, outline eac	h and identify	the ownership th	hereof (both	as to workin		
unitization, f	· · · · · · · · · · · · · · · · · · ·				f all owners	been consol	idated by comm	unitization,
	∐ No	If answer is "yes" type	of consolidation	on				
		nd tract descriptions which						
otherwise) or u	nu de assigned to ntil a non-standa	o the well unit all interes and unit, eliminating such	interest, has h	consolidated () been approved by	y commun the Divisio	itization, ur	itization, for	ed-pooling.
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ATTACHMENT TO FORM 3160-3 APPLICATION FOR PERMIT TO DRILL

Conoco Inc.

Lockhart A-27 No. 14 Sec. 27, T-21S, R-37E Lea County, New Mexico

- 1. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan Outline.
- 2. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on the attached Proposed Well Plan Outline.
- 3. A drawing of Blowout Preventer Specifications is attached. Pipe rams and blinds will be checked to the working pressure of the stack or 70% of the minimum internal yield strength of the casing whichever is less. BOP will be checked when casing string is set.
- 4. The proposed casing program is as follows:

0-1200':	8-5/8"	24#	K-55
0-5350':	5-1/2"	17#	K-55

5. The proposed mud program is as follows:

0-1200'	8.4# Fresh
1200'-5000':	10.0-10.2 Brine
5000'-5350':	10.0-10.2 Brine w/starch

- 6. The logging suite will include the following open-hole logs:
 1) GR-SP-CAL-DLL-MSFL from 5350'-2300' and 2) GR-CAL-LDT-CNL-PE from 5350'-2300'.
- 7. Special Drilling Problems:
 - a) Possible hole enlargement & sloughing 0'-4500'
 - b) Possible seepege 4200'-TD
- 8. The anticipated starting date is 8-15-93 with a duration of approximately 14 days.

PROPOSED WELL PL. . I OUTLINE

WELL NAME

Lockhart A-27 No. 14 660 FNL & 990' FEL, Section 27 T-21S, R-37E, Lea County, New Mexico LOCATION TVD FORMATION TYPE OF CASING FORMATION MUD IN TOPS & DRILLING FORMATION HOLE FRAC PRESSURE 1000' MD TYPE PROBLEMS **EVALUATION** SIZE GRAD GRADIENT SIZE DEPTH WT TYPE DAYS 0 Possible hole enlargement & sloughing 0-4500* Redbeds & shells 200* 12 - 1/4* Fresh 8.3 ppg t Rustler 1200 8-5/8", 24#, K-55 STAC, 1200" <2.3 Top Salt 1290" Brine 10.0 ppg 7 - 7/8* 2 Base Salt 2360" H25 monitors installed @ 2300" Yates 2495' 7 Rivers 2755' Two-man mad loggers @ 2300" 3 Queen 3325 Penrose 3475 Grayburg 3691' San Andres 3851" Possible scepage 4200'-TD 5 Giorieta 5033' Paddeck 5101" <8.3 Salt Gel & Starch TD: 5350* 10.0 PPE GR-CAL-TD-Surface 5-1/2", 17#, K-55 LTAC, 5350" GR-CAL-SP-DLL-MSFL& 6 GR-LDT-CNL-PE 2300'- TD 7 . 9 10 11 12 13 14 15 16

DATE 06-May-93

BOP SPECIFICATIONS

