CONDITIONS OF APPROVAL, IF ANY 1

30-025-30135

5. LEASE DESIGNATION AND SERIAL NO.

SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY							LC-068281-A	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK							6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1a. TYPE OF WORK				_				
DRILL 🖫 DEEPEN 🗌 PLUG BACK 🗌							7. UNIT AGREEMENT NAME	
b. TYPE OF WELL	. —			NGLE [<u>i</u>		
WELL (X) W	ELL OTHER			NE L	MULTIPLE ZONE		8. FARM OR LEASE NAME	
2. NAME OF OPERATOR							Conoco Federal	
Highland Pro	duction Compan	у	:			1	9. WELL NO.	
3. ADDRESS OF OPERATOR							4	
810 N. Dixie Blvd., Suite 202, Odessa, Texas 79761							10. FIELD AND POOL, CR WILDCAT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface							East Mason (Delaware)	
990' FSL and 1662' FEL 1, wt ()							11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
At proposed prod. zone							Section 19, T-26-S,	
990' FSL and 1662' FEL							R-32-E, NMPM	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE®							12. COUNTY OR PARISH 13. STATE	
	of Jal, New Me	xico					Lea New Mexico	
15. DISTANCE FROM PROPO LOCATION TO NEAREST	16. No	TO			OF ACRES ASSIGNED HIS WELL			
PROPERTY OR LEASE L (Also to nearest drig		160				40		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED,							RY OR CABLE TOOLS	
OR APPLIED FOR, ON THIS LEASE, FT. 9901					A550 Rotary to 4300' and Cable Tool into pay (4310')			
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)						22. APPROX. DATE WORK WILL START	
3.172.2 GR							November 15, 1987	
23.		PROPOSED CASI	NG ANI	CEMENTING	PROGRAM		november 19, 1907	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER I	EOOT	VETTIVE DE				
						QUANTITY OF CEMENT		
12 1/2"			1,200 feet			125 SX Class C Circulate		
7 7/8"	5 1/2"	15.5#		4,550 f	<u>eet</u>	1250) SX HLC/W Class C Circula	
Additional Info	ormation:							
1. Surface for	rmation is Tert	tiary with s	some '	Triassic e	xposed.			
2. Estimate ge	eological tops:	Rustler -	950 '	, Anhydrit	e - 1,0	00',	Top Salt - 1,300',	
Lamar Lime	- 4,100', Dela	ware Top -	4,31	0'.				
							to 3,000 PSI, full	
closing hyd	iril on top tes	sted to 3,00	00 PS	I. Pressu	re cont	rol d	diagram is attached.	
Testing will be on installation, daily and on trips.								
4. Proposed circulating medium: 0 - 1,200' - Spud Mud, 1,200 - 4,550 - Brine Water.								
5. Estimate will encounter water from 890' to 950'.								
6. Estimate will encounter oil at 4,310 feet.								
7. Logging Program: Gamma Ray Neutron Log.								
8. No coring or drill stem testing.								
9. No abnormal	l pressures or	temperature	es ar	e expected	to be	encou	intered.	
.O. Anticipate	starting date	is November	r 15,	1987.	ata on neces	nt prod	uctive zone and proposed new productive I and true vertical depths. Give blowont	
zone If proposal is to a	drill or deepen direction	ally, give pertinen	it data e	on subsurface loc	ations and r	neasureo	I and true vertical depths. Give blowout	
preventer program, if any	·· · / // // //	+r-/						
/// <i>///</i> //	A. 14 MI/1							
SIGNED /////			TLE P	resident			October 14, 1987	
	Smith / Smith							
(1ms space for redei	ar or state omce use)							
PERMIT NO.				APPROVAL DATE _				
art Si				_				
APPROVED BY		TI	TLE				DATE 11-5-87	