

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-93190	
1b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Chi Operating, Inc. 4378		7. UNIT AGREEMENT NAME 23697	
3. ADDRESS AND TELEPHONE NO. P. O. Box 1799 Midland, Texas 79702		8. FARM OR LEASE NAME, WELL NO. TOP DOG FEDERAL COM. #1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface: Crew Flats, Morrow NW 1980' FSL & 1980' FEL. 96841 At proposed prod. zone: Same Unit I		9. API WELL NO. 30-015-30400	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7.5 miles NE of Artesia, NM		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28-T16S-R27E	
16. NO. OF ACRES IN LEASE 920		12. COUNTY OR PARISH Eddy	
17. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1867'		13. STATE New Mexico	
18. PROPOSED DEPTH 9,400'		14. NO. OF ACRES ASSIGNED TO THIS WELL 320	
19. ROTARY OR CABLE TOOLS Rotary		20. APPROX. DATE WORK WILL START* Sept. 7, 1998	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3450' GL		22. APPROX. DATE WORK WILL START* Sept. 7, 1998	

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"H-40	48.0# STC	400'	Circ. 400 sx "C"
11"	8 5/8"K-55	24.0# STC	1,500'	Circ. 700 sx "C"
7 7/8"	4 1/2"N-80	11.6# LTC	9,400'	Tieback 700 sx "H"

## Mud Program

	Mud Wt.	- Vis.	- W/L Control
0' - 350' : Fresh water Gel/Lime:	8.6- 9.0 ppg	34 - 36	No W/L control
350' - 1,500' : Cut Brine:	10.0-10.2 ppg	28 - 29	No W/L control
1,500' - 8,500' : Cut Brine, seep. control:	10.0-10.2 ppg	28 - 29	No W/L control
8,500' - 9,400' : Cut Brine, seep. control:	10.0-10.5 ppg	36 - 40	W/L control 10cc+/-

## BOP Program:

A 11" 5000 psi wp Shaffer Type LWS BOP will installed on the 13 3/8" casing. Casing and BOP will be tested before drilling out with 11" and will be tested daily.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Posted to - 1  
N & API  
9-25-98

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Agent for:

Chi Operating, Inc.

DATE Aug. 21, 1998

SIGNED Deezy R. Smith

TITLE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

Acting Assistant Field Office Manager,  
Lands and Minerals

(ORIG. SGD.) ARMANDO A. LOPEZ

APPROVED BY

TITLE

DATE

\*See Instructions On Reverse Side

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & 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

API Number		Pool Code	Pool Name Wildcat
Property Code	Property Name TOP DOG FEDERAL COM		Well Number 1
OGRID No.	Operator Name CHI OPERATING, INC.		Elevation 3450

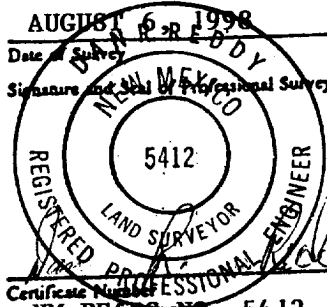
Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
J	28	16-S	27-E		1980	SOUTH	1980	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill		Consolidation Code C		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				<p><b>17 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><u>George R. Smith</u> Signature George R. Smith, agent for: Printed Name Chi Operating, Inc. Title August 21, 1998 Date</p>
		NM-93190 Santa Fe Energy		<p><b>18 SURVEYOR CERTIFICATION</b> 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 belief.</p> <p>AUGUST 21 1998 Date of Survey Signature and Seal of Professional Surveyor:   </p>

# BLOWOUT PREVENTOR SCHEM

