

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MAR 8 - 1991

J. C. D.
ARTESIA, OFFICE

API NO. (assigned by OCD on New Wells)

30-015-26662

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work:

DRILL ☒

RE-ENTER ☐

DEEPEN ☐

PLUG BACK ☐

b. Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER ☐

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

7. Lease Name or Unit Agreement Name

Dagger Draw

2. Name of Operator

Conoco Inc. ✓

8. Well No.

10

3. Address of Operator

10 Desta Drive, Suite 100 W, Midland, TX 79705

9. Pool name or Wildcat

North Dagger Draw Upper Penn

4. Well Location

Unit Letter M : 660 Feet From The south Line and 660 Feet From The west Line

Section 19

Township 19S

Range 25E

NMPM

Eddy

County

10. Proposed Depth

8100'

11. Formation

Cisco

12. Rotary or C.T.

Rotary

13. Elevations (Show whether DF, RT, GR, etc.)

GR 3568'

14. Kind & Status Plug. Bond

Blanket

15. Drilling Contractor

16. Approx. Date Work will start

3/21/91

17.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
14 3/4"	9 5/8"	36/40#	1200'	2000 sxs	Surface
8 3/4"	7"	26#	8100'	1800 sxs	Surface

This well is proposed to be drilled as a Cisco oil producer.

Attached are:

1. Well location and Acreage Dedication Plat.
2. Proposed Well Plan Outline.
3. Cementing Program Outline.
4. BOP Specifications.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 9/12/91
UNLESS DAILY FEES UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jerry W. Hoover TITLE Regulatory Coordinator DATE 3-5-91

TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. 915-686-6548

(This space for State Use) ORIGINAL SIGNED BY

MIKE WILLIAMS

APPROVED BY SUPERVISOR, DISTRICT II TITLE DATE MAR 12 1991

CONDITIONS OF APPROVAL, IF ANY:

NOTIFY N.M.O.C.D. IN SUFFICIENT
TIME TO WITNESS CEMENTING THE
CASINO

Submit to Appropriate
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Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1900, Hobbs, NM 88240

DISTRICT II
P.O. Boxer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Rancho Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator CONOCO, INC.			Lease DAGGER DRAW		Well No. 10
Unit Letter M	Section 19	Township 19 SOUTH	Range 25 EAST	County EDDY	
Actual Footage Location of Well: 660 feet from the SOUTH line and 660 feet from the WEST line					
Ground level Elev. 3568.0	Producing Formation Cisco		Pool North Dagger Draw Upper Penn.		Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or machine marks on the plat below.

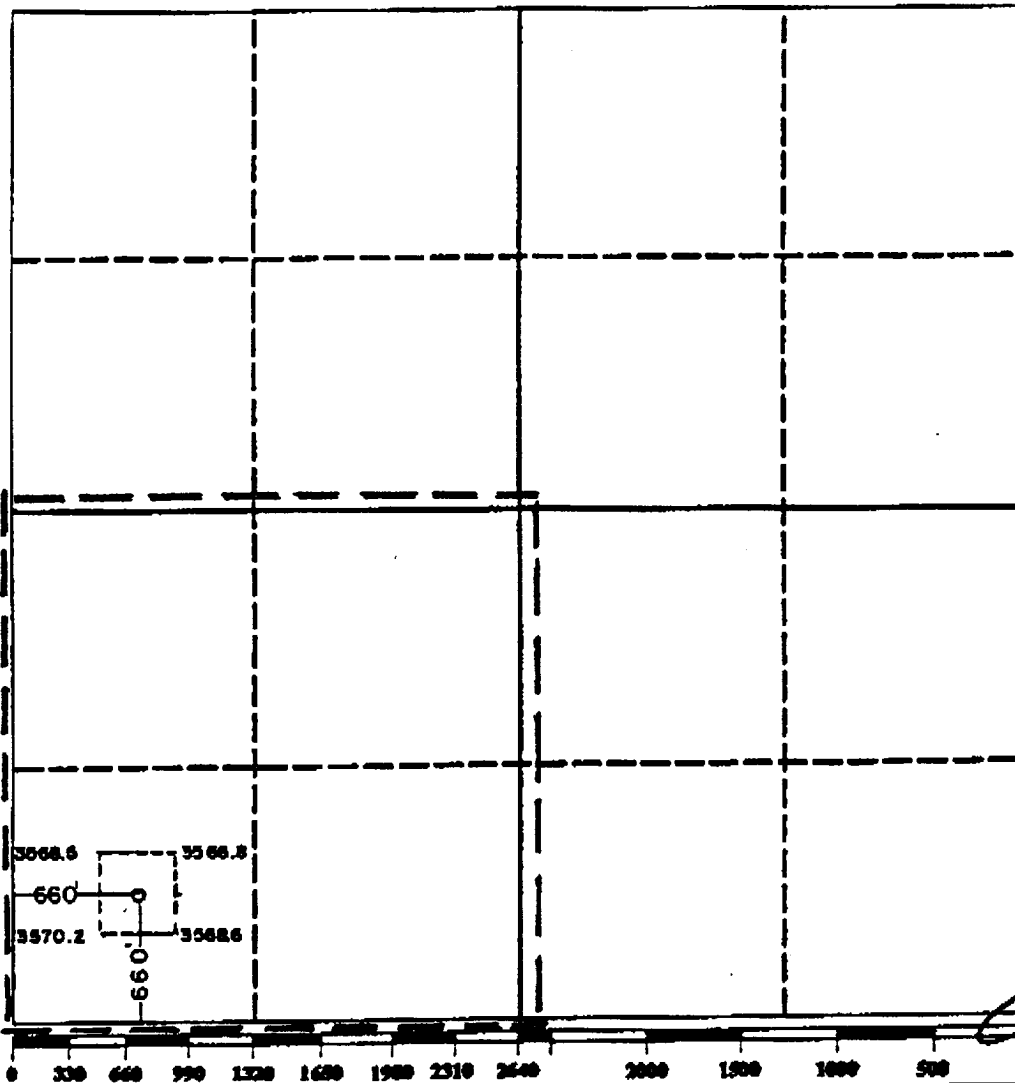
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes ☐ No If answer is "yes" type of consolidation _____

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Jerry W. Hoover

Printed Name

Jerry W. Hoover

Position

Regulatory Coordinator

Company

Conoco Inc.

Date

3/6/91

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

2-21-91

Signature & Seal of
Professional Surveyor

Ronald J. Eick
Professional Surveyor
No. 678
RONALD J. EICK
NEW MEXICO
JOHN W. WEST
3239

PROPOSED WELL PLAN OUTLINE

WELL NAME: DAGGER DRAW NO. 10

COUNTY: EDDY

STATE: NEW MEXICO

LOCATION: 660' FSL & 660' FWL

EST. KB: 3600'

Section 19, T19S, R25E

EST. GL: 3585'

DEPTH	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE-DEPTH	FRAC GRAD	FORM PRESS GRAD	(PPG) MUD WT & TYPE	DAYS
Surface water 300'		Possible waterflow to 900'	0'-1200' Deviation survey each 250' not to exceed 3"					Spud 8.33	
1000		Known lost circulation from 0-1100'	Install H2S monitor @1200'	14-3/4"	9-5/8 @1200'		<8.33		4
2000	Glorieta 1989'	H2S poss. to TD	Install a 2- man mudlogger 1200' - TD		w/2000 sx "lite" & "C" (to protect from surface waterflows and severe lost circ.)			Cut Brine 8.8- 9.2	6
3000	Yeso 2145'	Deviations from 4-6° likely from 3000'-6000' (ZW#1 & Parish IV #1)	Deviation survey each 250' not to exceed 5"						8
4000	Abo 4198'		3000'-6000' Deviation survey each 100' - 150' not to exceed 5"					pH>10 to TD	10
5000					DV Tool above lower Abo LC zone (if nec.) 4500'				13
6000	Wolfcamp 5100'		6000'-TD Deviation survey each 250' not to exceed 5"						17
7000		H2S possible in Cisco							20
8000	Cisco 7600'			8-3/4"				Mud up with salt gel and starch @7500'	
	Target TD 8100'		GR-CNL-LDT- DLL-MSFL-CAL from 8100' - 1200'		7" @8100'	>15	8.3- 9.0		25
9000			Image Log from 8100'-7600'		w/2100 sx "H" & "C" lite				

CEMENT PROGRAM OUTLINE

WELL NAME: Dagger Draw No. 10

LOCATION : 660' ESL & 660' FWL, Sec. 19, T-19S, R-25E,
Eddy County, NM

Casing Program

Surface 9-5/8 inch in 14 3/4 hole at 1200 ft.
Inter inch in hole at ft.
Prod 7" inch in 8 3/4 hole at 8100 ft.

Cementing Program

Surface

Lead 800 sxs Class Thixad Mixed at 12.2 ppg
Additives 12# Calsonite
Tail 1200 sxs Class C Mixed at 13.9 ppg
Additives 2% CaCl

Intermediate (first stage)

Lead sxs Class Mixed at ppg
Additives
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

(second stage)

Lead sxs Class Mixed at ppg
Additives
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

Production (first stage)

Lead 600 sxs Class "C" Lite Mixed at 12.4 ppg
Additives 2% CaCl & FLA as needed
Tail 300 sxs Class H Mixed at ppg
Additives 3% KCl & FLA as needed for zero free water and 250 cc
Percent free water 0 Water loss 250 cc

(second stage)

Lead 600 sxs Class "C" Lite Mixed at ppg
Additives 3% KCl & FLA as needed
Tail 300 sxs Class H Mixed at ppg
Additives 3% KCl FLA as needed
Percent free water Water loss cc

BOP SPECIFICATIONS

