

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Conoco Inc. 5073

## 3. ADDRESS AND TELEPHONE NO

10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500

915-686-5794

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements \*)

At surface

1190' FNL &amp; 1060' FEL

At proposed prod. zone

1190' FNL &amp; 1060' FEL

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

## 5. LEASE DESIGNATION AND SERIAL NO

CONT 145

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

JICARILLA

## 7. UNIT AGREEMENT NAME

## 8. FARM OR LEASE NAME WELL NO

11023 JICARILLA K #16E

## 9. API WELL NO

30-039-25841

## 10. FIELD AND POOL, OR WILDCAT

Blanco MV/Basin Dakota/Otero EXT

11. SEC. T, R, M, OR BLK.  
AND SURVEY OR AREA

Sec. 12, T25N, R5W

## 12. COUNTY OR PARISH

Rio Arriba

## 13. STATE

NM

## 5. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT  
(Also to nearest drlg. unit line, if Any)

## 16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320/320/160

## 8. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

7787'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6693' GR

## 22. APPROX. DATE WORK WILL START\*

4/15/98

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	K-55, 8-5/8"	24#	300'	130 sxs, circ.
7-7/8"	K-55, 5-1/2"	15.5#	7487'	1080 sxs, circ.

It is proposed to drill vertical wellbore to be downhole commingled in the Blanco Mesaverde, Basin Dakota and Otero Chacra Pools following the acquisition of sufficient production test data for allocation purposes. A downhole commingling application will be filed with the BLM and NMOCD prior to commingling. A NOS was filed 10/31/97. This well will drilled and equipped according to the following attachments:

1. Well Location & Acreage Dedication Plat (C-102) and other associated plats.
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan with Production Facility Layout.
6. Pipeline survey plat.

RECEIVED  
APR 25 1998  
OIL CON. DIV.  
DIST. 3

RECEIVED  
BLM  
APR 10 AM 7:55  
ALBUQUERQUE NM

This application includes ROW's for the wellpad and access road.

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. SIGNED Mike L. Mankin TITLE Right-of-Way Agent DATE March 4, 1998

(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:

(Original Signed) HECTOR A. VILLALOBOS

APPROVED BY Asst. Field Manager TITLE Asst. Field Manager DATE 4-2-98

\*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 or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Document ID:  
PO Box 2088, Santa Fe, NM 87504-2088

Document ID:  
PO Box 2088, Santa Fe, NM 87504-2088

Document ID:  
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Free Lease - 3 Copies

☐ AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-034-25841</b>	Pool Code <b>72319/71599/82329</b>	Pool Name <b>Blanco Mesaverd/Basin Dakota/Chacra</b>
Property Code <b>18023</b>	Property Name <b>JICARILLA K</b>	Well Number <b>16E</b>
COPIED No <b>005073</b>	Operator Name <b>CONOCO</b>	Elevation <b>6693'</b>

#### 10 Surface Location

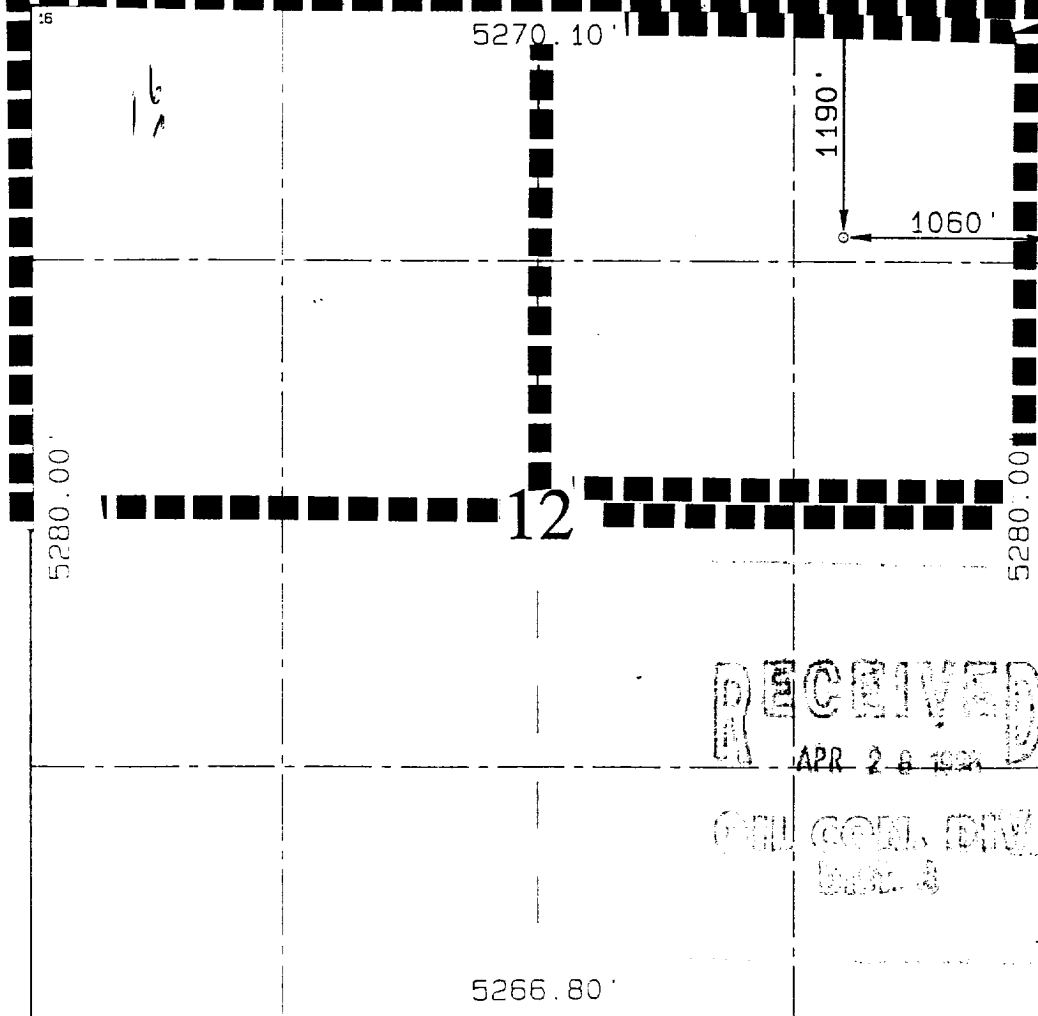
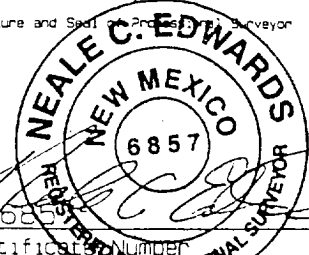
UL or Lot No <b>A</b>	Section <b>12</b>	Township <b>25N</b>	Range <b>5W</b>	Lot Ion	Feet from the <b>1190</b>	North/South line <b>North</b>	Feet from the <b>1060</b>	East/West line <b>East</b>	County <b>RIO ARriba</b>
--------------------------	----------------------	------------------------	--------------------	---------	------------------------------	----------------------------------	------------------------------	-------------------------------	-----------------------------

#### 11 Bottom Hole Location If Different From Surface

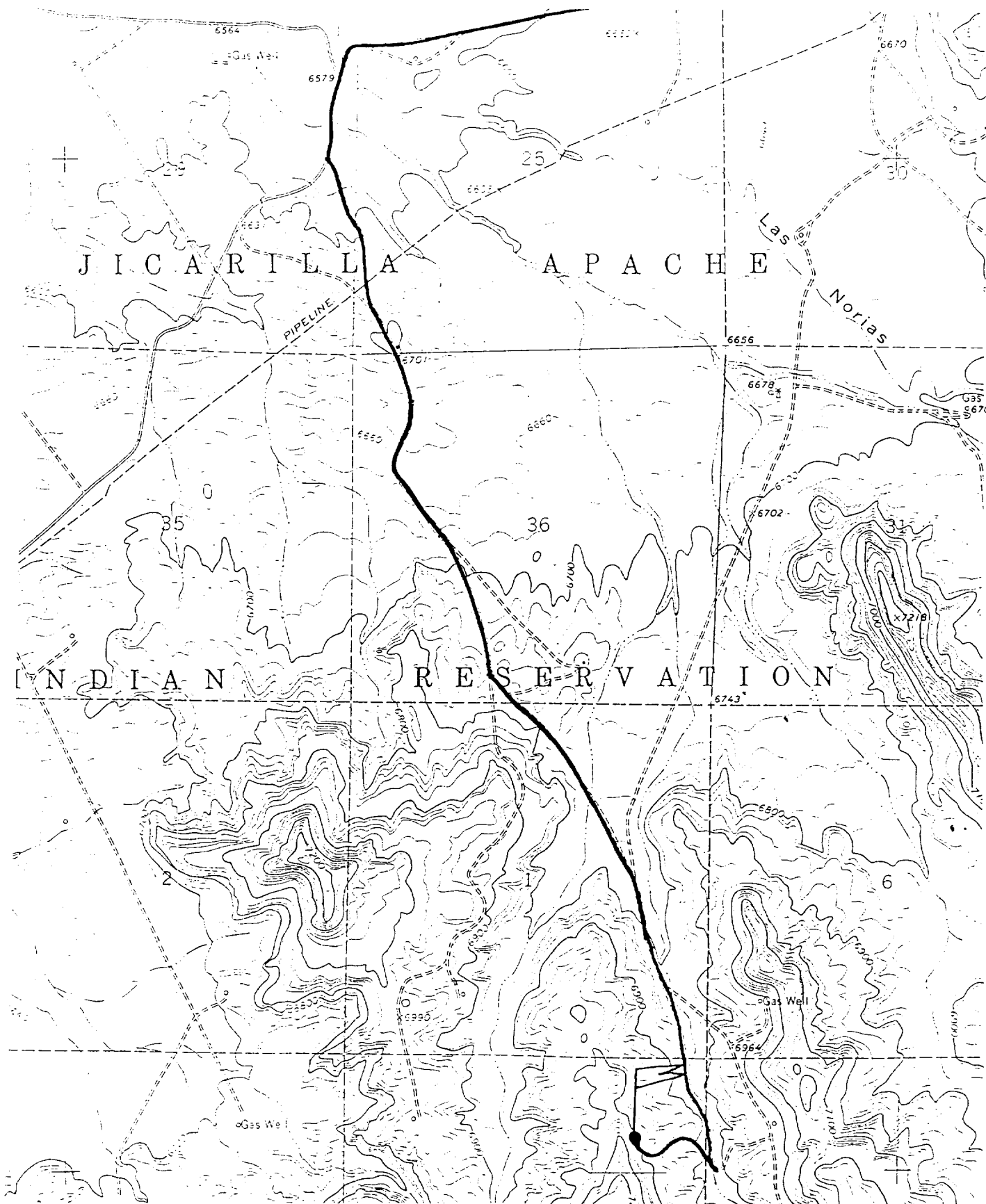
UL or Lot No	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
--------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres <b>320/320/160</b>	13 Joint or Infill	14 Consolidation Code	15 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

	<b>7 OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature: <i>Mike L. Mankin</i> Mike L. Mankin Printed Name Right-of-Way Agent Title <i>3-3-98</i> Date
	<b>8 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.  NOVEMBER, 19, 1997 Date of Survey Signature and Seal of Professional Surveyor  Certification Number

CONOCO, INC. JICARILLA K #16E  
1190' FNL & 1060' FEL SECTION 12, T25N, R5W  
RIO ARriba COUNTY, N.M.P.M., NEW MEXICO



## PROPOSED WELL PLAN OUTLINE

WELL NAME **Jicarilla K No. 16E**

EST. GL = 6693

LOCATION: **SEC 12, T-25N, R-6W, RIO ARRIBA CO., NM**

EST. KB = 6706

TVD IN	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE	DEPTH	FRAC GRAD. psi/ft	FORMATION PRESSURE PSI	MUD WT	TYPE	DAYS
1000	MD										
0				11"	8-5/8" 24# K-55 ST&C @ 300'			NORMAL	8.4 - 8.8# SPUD MUD		1
				7-7/8"	CRC CMT				8.4 - 8.8# GEL/POLYMER MAINTAIN MW AS LOW AS POSSIBLE		
1											
2											
3	OJAM @ 2528' FRLO @ 2702' PCCF @ 3070' LEWS @ 3215'	POSSIBLE WATERFLOW POSSIBLE GAS FLOW POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING						432 PSI 360 PSI			
4	CHRA @ 3912'				DV TOOL SET @ 3600' (CONTINGENT ON LOST CIRCULATION)			400 PSI		CONTROL FLUID LOSS PRIOR TO OJAM	
5	CLFH/MV @ 4704' MENF @ 4718'						0.5	457 PSI			
6	PTLK @ 5229' MNCS @ 5590'	POSSIBLE SEVERE LOST RETURNS			DV TOOL SET @ 5525' (50'-100' ABOVE MNCS) CMT TO DV TOOL @ 3600'						
7	U. GLLP @ 6304' M. GLLP @ 6574' SNST @ 6881' GRHN @ 7180' GRRS DKOT @ 7238' PAGU @ 7393' T.D. @ 7487'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	7-7/8"	5-1/2" 15.5# K-55 LTC @ 7487' CMT TO DV TOOL AT TOP OF MNCS		0.5	715 PSI BHP - 2500 PSI BHT - 175 deg F	ADD 2% KCl @ GRRS DKOT 8.4 - 8.8# GEL/POLYMER		16
8	NOTE: PERMIT TO 7787'										

DATE **02/27/98**APPROVALS: *[Signature]* for PWB

10:51 AM

PREPARED: **Ricky Joyce/Ted Kelly**  
DRILLING ENGINEER*[Signature]*  
RES. ENGINEER  
*[Signature]*  
PROD. ENGINEER*[Signature]*  
GEOLOGIST*[Signature]*  
DRILLING MGR.