

(July 1992)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

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FORM APPROVED  
OMB NO. 1004-0136  
Expires February 28, 1995

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		1b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		2. NAME OF OPERATOR Conoco Inc. 005073		3. ADDRESS AND TELEPHONE NO 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 1845' FNL & 815' FWL At proposed prod. zone 1845' FNL & 815' FWL		5. LEASE DESIGNATION AND SERIAL NO SF 078840		6. IF INDIAN, ALLOTTEE OR TRIBE NAME		7. UNIT AGREEMENT NAME San Juan 28-7		8. FARM OR LEASE NAME WELL NO 110M		9. API WELL NO 30-C39-25884		10. FIELD AND POOL, OR WILDCAT Blanco MV/Basin Dakota		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T27N, R7W	
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		18. PROPOSED DEPTH 7502'		19. ROTARY OR CABLE TOOLS Rotary		20. APPROX. DATE WORK WILL START* 6/30/98		21. ELEVATIONS (Show whether DF, FT, GR, etc.) 6588' GR		22. COUNTY OR PARISH Rio Arriba		23. STATE NM		24. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		25. FIELD AND POOL, OR WILDCAT Blanco MV/Basin Dakota		26. SEC. T., R., M., OR BLK. AND SURVEY OR AREA Sec. 19, T27N, R7W	

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	K-55, 9-5/8"	36#	250'	145 sxs, circ.
8-3/4"	K-55, 7"	23#	3186'	390 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7502'	515 sxs, toc @ 3000'

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. An NOS was filed 10/13/97. The well will be drilled and equipped according to the following additional attachments:

1. Well Location & Acreage Dedication Plat (C-102).
2. Proposed Well Plan Outline.
3. Cementing Plan.
4. Blowout Preventer Hookup.
5. Surface Use Plan with Production Facility layout.
6. Pipeline Tie Specifications with plat.

This application includes ROW's for the well pad, cathodic protection and pipeline.

**DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS"**

**RECEIVED**  
JUN 12 1998  
**OIL CON. DIV.**  
DIST. 3

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 Jo Ann Johnson TITLE Sr. Property Analyst DATE 5-28-98

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE JUN 10 1998

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:

APPROVED BY Pat Gagnier TITLE Pat Gagnier DATE JUN 10 1998

\*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.

**NMOCD**

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
PO Drawer 00, 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 Ne.  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

98 JUN -8 AM 11:32

☐ AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-25884		*Pool Code 72319/71599	*Pool Name Blanco Mesaverde/Basin Dakota
*Property Code 016608	*Property Name SAN JUAN 28-7 UNIT		*Well Number 110M
*GRID No. 005073	*Operator Name CONOCO, INC.		*Elevation 6588'

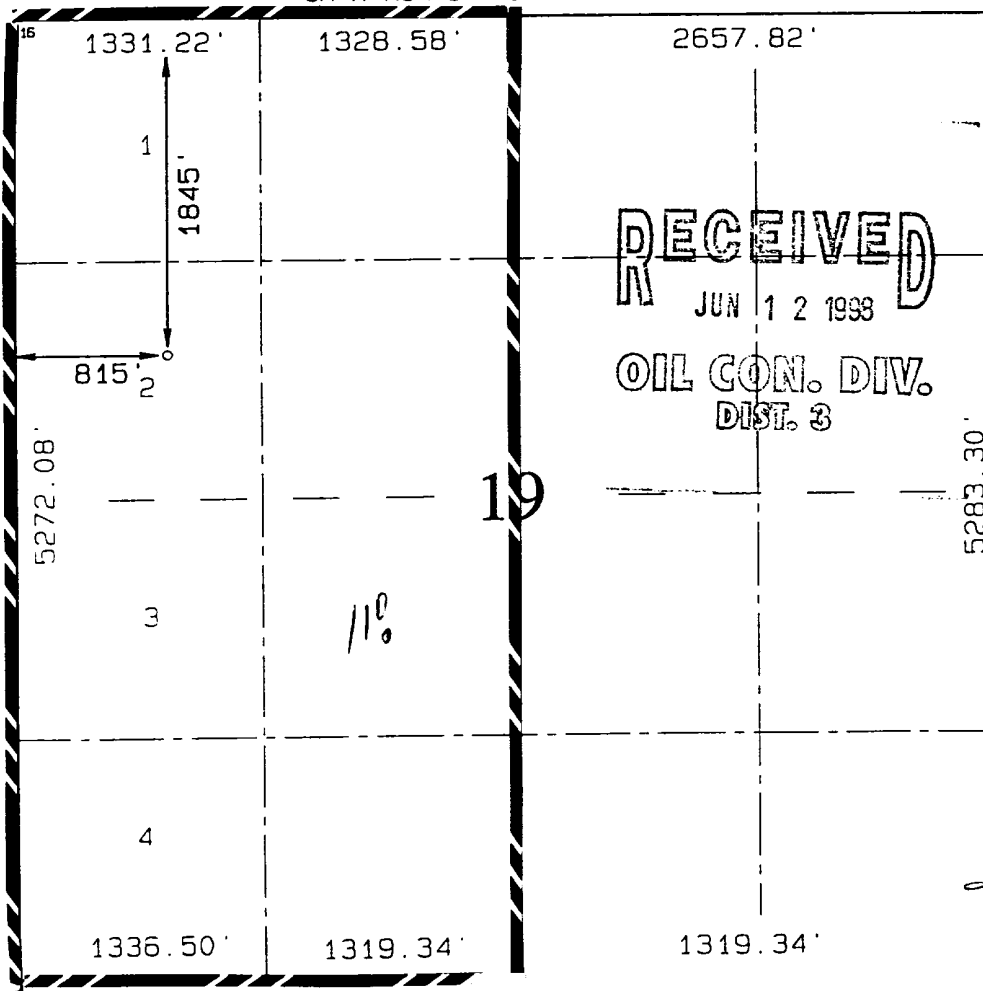
<sup>10</sup> Surface Location

UL or lot no. E	Section 19	Township 27N	Range 7W	Lot Idn	Feet from the 1845	North/South line North	Feet from the 815	East/West line West	County RIO ARriba
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
321.15		Y	U						
<sup>12</sup> Deducted Acres		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> 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



<sup>17</sup> OPERATOR CERTIFICATION  
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature  
Mike L. Mankin  
Printed Name  
Right-Of-Way Agent  
Title  
5-22-98  
Date

<sup>18</sup> 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 belief.

NOVEMBER 7, 1997  
Date of Survey  
Signature and Seal of Professional Surveyor  
NEALE C. EDWARDS  
NEW MEXICO  
6852  
Certificate No. 6852

## PROPOSED WELL PLAN OUTLINE

EST. GL = 6588

EST. KB = 6601

WELL NAM **SJ 28-7 UNIT No. 110M**LOCATION: **SEC 19, T-27N, R-7W, RIO ARRIBA CO., NM**

TVD IN 1000	MD	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
0					12-1/4"	9-5/8" 36# K-55 ST&C @ 250'		NORMAL	8.4 - 8.8# SPUD MUD	1
					8-3/4"	CIRC CMT			8.4 - 9.0# GEL/WATER MAINTAIN MW AS LOW AS POSSIBLE	
1										
2		OJAM @ 2084' KRLD @ 2187'	POSSIBLE WATERFLOW					432 PSI		
		FRLD @ 2483'	POSSIBLE GAS FLOW					360 PSI		
		PCCF @ 2886'	POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING							
3		LEWS @ 3026'			8-3/4"	7" 23# K-55 LTC at 3186' (special drift)				5
					6-1/4"	CIRC CMT			AIR/AIR MIST/GAS	
4		CHRA @ 3819'						400 PSI		
		CLFH/MV @ 4570' MENF @ 4598'	PROBABLE LOST RETURNS IF FLUID IN HOLE				0.5	457 PSI		
5		PTLK @ 5173'								
		MNCS @ 5540'								
6		GLLP @ 6364'								
7		GRHN @ 7146' GRRS DKOT @ 7209' PAGU @ 7372'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	6-1/4"	4-1/2" 9.5# K-55 LTC @ 7502'	0.5	713 PSI BHT = 175 deg F	AIR/AIR MIST/GAS	10
		T.D. @ 7502'				TOC @ 3000'				
8		NOTE: PERMIT TO 7802'								

11:04 AM

DATE 05/06/98

APPROVALS:

PREPARED:

Ricky Joyce/Ted Kelly  
DRILLING ENGINEER

RES. ENGINEER

PROD. ENGINEER

GEOLOGIST

DRILLING MGR.

1845' FNL 815' FWL SEC 19, T27N, R7W  
RIO ARriba COUNTY, NEW MEXICO

