

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTRECEIVED  
BLM

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		50 FEB 13 PM 1:31	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	
2. NAME OF OPERATOR Conoco Inc. 5073		5. LEASE DESIGNATION AND SERIAL NO SF 078840	
a. ADDRESS AND TELEPHONE NO 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500		6 IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 1450' FSL & 1850' FEL		7. UNIT AGREEMENT NAME San Juan 28-7 Unit A 164-08	
At proposed prod. zone 1450' FSL & 1850' FEL		8. FARM OR LEASE NAME WELL NO 237M	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		9. API WELL NO 30-039-25822	
5. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if Any)		10. FIELD AND POOL, OR WILDCAT Basin Dakota 71599	
8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA J Sec. 19, T27N, R7W	
16. NO OF ACRES IN LEASE		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL E/320		13. STATE NM	
19. PROPOSED DEPTH 1503' 7803'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc) This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4. 6622' GR		22. APPROX. DATE WORK WILL START* 3/15/98	
PROPOSED CASING AND CEMENTING PROGRAM DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED GENERAL REQUIREMENTS			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12-1/4"	K-55, 9-5/8"	36#	250'
8-3/4"	K-55, 7"	23#	3230'
6-1/4"	K-55, 4-1/2"	9.5#	7503'
			145 sxs, circ.
			425 sxs, circ.
			530 sxs, toc @ 3100'

It is proposed to drill a vertical wellbore to the Basin Dakota Pool. 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.

RECEIVED  
APR - 3 1998  
OIL COR. 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.

SIGNED Jo Ann Johnson TITLE Property Analyst DATE 2-12-98

(This space for Federal or State office use)

APR 01 1998

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:

APPROVED BY SI/Duane W. Spencer TITLE \_\_\_\_\_ DATE APR - 1 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 II  
PO Drawer 60, Artesia, NM 88211-0719

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
PO Box 2088, Santa Fe, NM 87504-2088

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

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

NOTED 13 PM 1:34 AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number <b>30-039-25822</b>		*Pool Code <b>71599</b>	*Pool Name <b>Basin Dakota</b>
*Property Code <b>016608</b>	*Property Name <b>SAN JUAN 28-7 UNIT</b>		*Well Number <b>237M</b>
*GRID No. <b>005073</b>	*Operator Name <b>CONOCO, INC.</b>		*Elevation <b>6622'</b>

## 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	19	27N	7W		1450	South	1850	East	RIO ARriba

## 11 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

*Dedicated Acres <b>320</b>	*Joint or Infill <b>Y</b>	*Consolidation Code <b>U</b>	*Order No.
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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

<p>1331.22'</p> <p>1328.58'</p> <p>2657.82'</p> <p>1</p> <p>5272.08'</p> <p>RECEIVED APR - 3 1993 OIL CON. DIV. DIST. 3</p>	<p>2657.82'</p> <p>2370'</p> <p>1850'</p> <p>1450'</p> <p>2639.34'</p> <p>1336.50'</p> <p>1319.34'</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Jo Ann Johnson</i> Signature <b>Jo Ann Johnson</b> Printed Name <b>Property Analyst</b> Title <b>2/11/98</b> Date</p> <p>18 SURVEYOR CERTIFICATION</p> <p>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>OCTOBER 18 1997 Date of Survey <i>NEALE C. EDWARDS</i> Signature and Seal of Professional Surveyor <b>NEALE C. EDWARDS</b> <b>NEW MEXICO</b> <b>REGISTERED PROFESSIONAL SURVEYOR</b> <b>6857</b> Certificate Number</p>
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# PROPOSED WELL PLAN OUTLINE

EST. GL = 6622  
EST. KB = 6635

WELL NAME: **SJ 28-7 UNIT No. 237M**

LOCATION: **SEC 19, T-27N, R-7W, RIO ARRIBA CO., NM**

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
0				12-1/4"	9-5/8" 38# K-55 ST&C @ 250'		NORMAL	8.4 - 8.8# SPUD MUD	1
1				8-3/4"	CRC CMT			8.4 - 9.0# GEL/WATER MAINTAIN MW AS LOW AS POSSIBLE	
2	OJAM @ 2093' KRLD @ 2251'	POSSIBLE WATERFLOW							
	FRLD @ 2523'	POSSIBLE GAS FLOW					432 PSI		
	PCCF @ 2930'	POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING					360 PSI	CONTROL FLUID LOSS PRIOR TO OJAM	
3	LEWS @ 3069'			8-3/4"	7" 23# K-55 LTC at 3230' (special drift) CRC CMT				5
4	CHRA @ 3855'			6-1/4"			400 PSI	AIR/AIR MIST/GAS	
	CLFH/MV @ 4606' MENF @ 4635'	PROBABLE LOST RETURNS IF FLUID IN HOLE				0.5	457 PSI		
5	PTLK @ 5223'								
	MNCS @ 5574'								
6	GLLP @ 6375'								
7	GRHN @ 7159' GRRS DKOT @ 7220' PAGU @ 7374'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	6-1/4"	4-1/2" 9.5# K-55 LTC @ 7503'	0.5	713 PSI BHT = 175 deg F	AIR/AIR MIST/GAS	10
	T.D. @ 7503'				TOC @ 3100'				
8	NOTE: PERMIT TO 7803'								

DATE 02/04/98

APPROVALS:

PREPARED Ricky Joyce/Ted Kelly  
DRILLING ENGINEER

[Signature]  
RES. ENGINEER  
[Signature]  
PROD. ENGINEER

[Signature]  
GEOLOGIST  
[Signature]  
DRILLING MGR.

11:00 AM

CONOCO, INC. SAN JUAN 28-7 UNIT #237M

1450' FSL 1850' FEL SEC 19, T27N, R7W  
RIO ARriba COUNTY, NEW MEXICO

