

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. 5013

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

870' FSL & 270' FEL

At proposed prod. zone

870' FSL & 270' FEL

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

5. LEASE DESIGNATION AND SERIAL NO

SF 078570

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

16608 San Juan 28-7

8. FARM OR LEASE NAME WELL NO

214M

9. API WELL NO

30-039-25793

10. FIELD AND POOL, OR WILDCAT

72319 71549
Blanco MV/Basin Dakota

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

P Sec. 4, T27N, R7W

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

E/320.17/320.17

8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7777'

20. ROTARY OR CABLE TOOLS

Rotary

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

6707' GR

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

32. APPROX. DATE WORK WILL START*

3/1/98

23. 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#	3565'	470 sxs, circ.
6-1/4"	K-55, 4-1/2"	9.5#	7777'	530 sxs, toc @ 3400'

It is proposed to drill a vertical wellbore to the Blanco Mesaverde and Basin Dakota Pools. An NOS was filed 10/10/97. 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. Temporary Pipeline Tie Specifications.

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OIL CON. DIV.
DIST. 3

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

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

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 2-5-98

(This space for Federal or State office use)

PERMIT NO

APPROVAL DATE

FEB 24 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 _____ TITLE _____ DATE 2/24/98

*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.

Hold C-104 For USL @ NMOC

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

District II
PO Drawer CO, Artesia, NM 88211-0719

District III
1009 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 O-101
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

070 W. WILSON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <u>30-039-25793</u>		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota		
4 Property Code 016608		5 Property Name SAN JUAN 28-7 UNIT			6 Well Number 2147	
7 GRIID No. 005073		8 Operator Name CONOCO, INC.			9 Elevation 6707'	

10 Surface Location

11 Well or lot no. P	12 Section 4	13 Township 27N	14 Range 7W	15 Lot Idn	16 Feet from the 870	17 North/South line South	18 Feet from the 270	19 East/West line East	20 County RIO ARriba
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11 Bottom Hole Location If Different From Surface

21 Well or lot no.	22 Section	23 Township	24 Range	25 Lot Idn	26 Feet from the	27 North/South line	28 Feet from the	29 East/West line	30 County
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31 Dedication Acres <u>31.817</u> E/320.17	32 Joint or Infill Y	33 Consolidation Code U	34 Order No. Non-Standard Location (Applied for)
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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

15 2635.38'				2591.16'				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <u>Mike L. Mankin</u> Signature Mike L. Mankin Printed Name Right of Way Agent Title <u>2-5-98</u> Date			
1364.22'				1352.34'				18 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. OCTOBER 29, 1997 Date of Survey Signature and Seal of Professional Surveyor NEALE C. EDWARDS NEW MEXICO 6857 REGISTERED PROFESSIONAL SURVEYOR			
13/1.48'				1346.40'				Certificate Number			
2742.96'				2692.14'							
5292.54'				870'							

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PROPOSED WELL PLAN OUTLINE

EST. GL = 6707
EST. KB = 6720

WELL NAME: **SJ 28-7 UNIT No. 214M**LOCATION: **SEC 4, T-27N, R-7W, RIO ARRIBA CO., NM**

IN	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
1					8-3/4"	CRC CMT				8.4 - 9.0# GEL/WATER		
2		OJAM @ 2372'	POSSIBLE WATERFLOW									
3		KRLD @ 2533'							432 PSI			
4		FRLD @ 2841'	POSSIBLE GAS FLOW						360 PSI			
5		POCF @ 3265'	POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING									
6		LEWS @ 3415'			8-3/4"	7" 23# K-55 LTC @ 3581' (special drift)						5
7					6-1/4"	CRC CMT				AIR/AIR MIST/GAS		
8		CHRA @ 4218'							400 PSI			
9		CLFH/MV @ 4940'	PROBABLE LOST RETURNS IF FLUID IN HOLE					0.5	457 PSI			
10		MIENF @ 5038'										
11		PTLK @ 5501'										
12		MNCS @ 5890'										
13												
14		GLLP @ 6689'										
15												
16		GRHN @ 7428'										
17		GRRS DKOT @ 7450'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	CASED HOLE LOGS	6-1/4"	4-1/2" 9.5# K-55 LTC @ 7777'		0.5	713 PSI	AIR/AIR MIST/GAS		10
18		PAGU @ 7650'							BHT = 175 deg F			
19		"D" @ 7777'										
20		NOTE: PERMIT TO 8077'										

DATE: 01/29/98

APPROVALS: M. Shannon
RES. ENGINEER
BSV
PROD. ENGINEER

PREPARED BY: Ricky Joyce/Ted Kelly
DRILLING ENGINEER

J. J. J.
GEOLOGIST
BSV
DRILLING MGR.

04:44:54 PM

Figure 2. Project area
USGS Gould Pass, New Mexico
7.5' Quad 1985 (Prov edition)
T27N, R7W, Section 4
Rio Arriba County, New Mexico

