

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
SF 078417

6. If Indian, Allottee or Tribe Name
54

7. If Unit or CA/Agreement, Name and/or No.
070 FARMINGTON, OKA

8. Well Name and No.
SAN JUAN 28-7 #273

9. API Well No.
30-039-2111

10. Field and Pool, or Exploratory Area
SOUTH BLANCO PC

11. County or Parish, State
RIO ARRIBA NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
CONOCO, INC.

3a. Address
P.O. BOX 2197 HOUSTON, TX 77252

3b. Phone No. (include area code)
(281)293-1005

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**970' FSL & 2345' FEL
O, SEC.4, T27N, R7W**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco requests to change our total depth on our permit to drill to 3470'. Attached are our new drilling program and cementing program.



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
DEBORAH MARBERRY

Title
REGULATORY ANALYST

Signature
Deborah Marberry

Date
09/20/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
/s/ Jim Lovato

Title
Office

Date
OCT 11 2000

Conditions of approval, if any, are attached. Approval of this notice 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.

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.

(Instructions on reverse)

MMOCD

Form 1160-1
(July 1992)(Other Instructions on
reverse side)FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.

SF 078417

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

San Juan 28-7

8. FARM OR LEASE NAME WELL NO.

#273

9. APT WELL NO.

10. FIELD AND POOL, OR WILDCAT

South Blanco Pictured Cliffs/Basin Fruitland
Coal11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Section 4, T27N, R7W

12. COUNTY OR STATE

Rio Arriba

13. STATE

NM

14. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER

SINGLE ZONE ☐MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Conoco Inc.

3. ADDRESS AND TELEPHONE

10 DESTA DRIVE, SUITE 649W

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

At surface

970' FNL & 2345' FEL

At proposed prod. Zone

970' FNL & 2345' FEL

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. Unit line, if any)

6. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

324.68

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

9. PROPOSED DEPTH

3720'

20. ROTARY OR CABLE TOOLS

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

6142'

22. APPROX. DATE WORK WILL START*

6/1/00

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7", J-55	20#	250'	70 sxs, circ.
6-1/4"	4-1/2", J-55	10.5#	3420'	310 sxs, circ.

It is proposed to drill a vertical wellbore to be downhole commingled in the Blanco Pictured Cliff and Basin Fruitland Coal Pools following the acquisition of sufficient production test data for allocation purposes. A downhole commingling application will be filed with the BLM and OCD. An NOS was filed 3/10/00. 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 including temporary pipeline tie specifications.
6. Production Facility Layout.

APD/ROW

This application includes ROW's for the well pad, cathodic protection, access road and pipeline. The pipe-wall thickness is .156 and the pipe-wall strength is 42,000# yield.

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.

23.

SIGNED

Ann Johnson

TITLE

Sr. Property Analyst

DATE

5-8-00

(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:

APPROVED BY

TITLE

DATE

*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.

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

District II
PO Drawer DD, 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 New Mexico
Energy, Minerals & Natural Resources Department

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

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

200 SEP 21 AM 11:54 AMENDED REPORT

070 FARMINGTON, NM

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	72439 / 71629	SOUTH BLANCO PICTURED CLIFFS/BASIN FRUITLAND COAL
Property Code	Property Name	Well Number
016608	SAN JUAN 28-7 UNIT	273
OSRID No.	Operator Name	Elevation
005073	CONOCO, INC.	6674'

10 Surface Location

UL or Lot No.	Section	Township	Range	Lot 100	Feet from the	North/South line	Feet from the	East/West line	County
0	4	27N	7W		970	SOUTH	2345	EAST	RIO ARriba

11 Bottom Hole Location If Different From Surface

UL or Lot No.	Section	Township	Range	Lot 100	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						
324.68									

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

2635.38'	2591.16'	OPERATOR CERTIFICATION	
1364.22'	1352.34'	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
LOT 4	LOT 3	Signature <i>Mike L. Mankin</i>	
LOT 2	LOT 1	Printed Name Mike L. Mankin	
1371.40'	1346.40'	Title Right-Of-Way Agent	
4		Date 4/12/00	
2742.96'	2692.14'	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.	
		JANUARY 19, 2000	
		Date of Survey	
		Signature and Seal of Surveyor	
		NEALE C. EDWARDS NEW MEXICO 6857	
		Certificate No. 6857	

Operator Name: Conoco
 Well Name: SAN JUAN 28-7 UNIT 273
 Job Description: 7" Surface @ 250 ft
 Date: September 7, 2000



Proposal No: 266750089A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.750 HOLE	250	250

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
7.000	6.456	20	250	250

Float Collar set @	210 ft
Mud Density	8.80 ppg
Mud Type	Water Based
Est. Static Temp.	83 ° F
Est. Circ. Temp.	80 ° F

VOLUME CALCULATIONS

250 ft	x	0.1503 cf/ft	with	100 % excess	=	75.2 cf
40 ft	x	0.2273 cf/ft	with	0 % excess	=	9.1 cf (inside pipe)
TOTAL SLURRY VOLUME					=	84.3 cf
					=	15 bbls

Operator Name: Conoco
Well Name: SAN JUAN 28-7 UNIT 273
Job Description: 7" Surface @ 250 ft
Date: September 7, 2000



Proposal No: 266750089A

FLUID SPECIFICATIONS

Spacer

20.0 bbls Fresh Water @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Cement Slurry	84	/ 1.41	= 60 sacks Type III Cement + 0.25 lbs/sack Cello Flake + 2% bwoc Calcium Chloride + 60.6% Fresh Water

Displacement

8.5 bbls Fresh Water @ 8.34 ppg

CEMENT PROPERTIES

SLURRY NO. 1

Slurry Weight (ppg)	14.50
Slurry Yield (cf/sack)	1.41
Amount of Mix Water (gps)	6.84
Estimated Pumping Time - 70 BC (HH:MM)	2:47

COMPRESSIVE STRENGTH

8 hrs @ 80 ° F (psi)	800
24 hrs @ 80 ° F (psi)	2150
43 hrs @ 80 ° F (psi)	3625

RHEOLOGIES

<u>FLUID</u>	<u>TEMP</u>	<u>600</u>	<u>300</u>	<u>200</u>	<u>100</u>	<u>6</u>	<u>3</u>
Cement Slurry	@ 80 ° F	142	122	107	91	35	24

Operator Name: Conoco
 Well Name: SAN JUAN 28-7 UNIT 273
 Job Description: 4.5" Long String @ 3470 ft
 Date: September 7, 2000



Proposal No: 266750089A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
6.456 CASING	250	250
6.250 HOLE	3,470	3,470

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
4.500	4.052	10.5	3,470	3,470

Float Collar set @	3,386 ft
Mud Density	8.90 ppg
Mud Type	Water Based
Est. Static Temp.	122 ° F
Est. Circ. Temp.	98 ° F

VOLUME CALCULATIONS

250 ft	x	0.1169 cf/ft	with	0 % excess	=	29.2 cf
3,220 ft	x	0.1026 cf/ft	with	50 % excess	=	495.6 cf
84 ft	x	0.0896 cf/ft	with	0 % excess	=	7.5 cf (inside pipe)
TOTAL SLURRY VOLUME					=	532.3 cf
					=	95 bbls

Operator Name: Conoco
 Well Name: SAN JUAN 28-7 UNIT 273
 Job Description: 4.5" Long String @ 3470 ft
 Date: September 7, 2000



Proposal No: 266750089A

FLUID SPECIFICATIONS

Spacer 20.0 bbls Fresh Water @ 8.34 ppg

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Cement Slurry	532	/ 2.02	= 264 sacks (35:65) Poz L (Fly Ash L):Type III Cement + 10 lbs/sack CSE + 0.25 lbs/sack Cello Flake + 0.2% bwoc CD-32 + 0.65% bwoc FL-62 + 6% bwoc Bentonite + 105.8% Fresh Water

Displacement 54.0 bbls 2% KCL Water @ 8.34 ppg

CEMENT PROPERTIES

SLURRY NO. 1

Slurry Weight (ppg)	12.50
Slurry Yield (cf/sack)	2.02
Amount of Mix Water (gps)	10.63
Estimated Pumping Time - 70 BC (HH:MM)	4:20
Free Water (mls) @ 108 ° F @ 90 ° angle	0.4
Fluid Loss (cc/30min) at 1000 psi and 108 ° F	664.0

COMPRESSIVE STRENGTH

24 hrs @ 141 ° F (psi)	1025
48 hrs @ 141 ° F (psi)	1650

RHEOLOGIES

FLUID	TEMP	600	300	200	100	6	3
Cement Slurry	@ 110 ° F	50	30	27	21	15	12

At Conoco our work is never so urgent or important that we cannot take time to do it safely.
SAN JUAN DRILLING PROGRAM

WELL INFO	Well:	San Juan 28-7 #273	Area:	28-7	AFE #		AFE \$:	
	County:	Rio Arriba	State:	New Mexico	Rig:		RKB-	13'
	API #		Permit #		Fresh Wtr Prot:	Circulate cement on surface casing		
	MD:	3470'	TVD:	3470'	KOP:	N/A	G.L. Elev:	6687'
	Co-ordinates:	WELL	Latitude:	36° 36.0'	Longitude:	107° 34.5'	ERA	Latitude: 36° 35.9' Longitude: 107° 34.3'
	Location:	1325' FSL & 1560' FEL Sec. 4, T27N, R7W						
	Directional:	N/A						

DISCUSSION

THIS WELL IS TO BE DRILLED WITH SAFETY AND PROTECTION OF THE ENVIRONMENT AS THE PRIMARY OBJECTIVES! Use of the STOP program, Job Safety Analysis and Pre-Job Safety Meetings are imperative.

IT IS THE DRILLING REPRESENTATIVES RESPONSIBILITY TO READ AND FOLLOW ALL STIPULATIONS FOR EACH PERMIT AND ENSURE COMPLIANCE

REGULATORY NOTIFICATIONS

Notify the U.S. Bureau of Land Management:

1. Anytime a major deviation from the well plan (plug back, sidetrack, etc...) is going to occur. Leave a message with the intended plan if no one answers. **If in doubt notify!** Better to notify unnecessarily than not to and get a fine.
2. Immediately upon spudding
3. Complete the Notice of Spud Sundry and FAX to Trigon Engineering Inc. at (970) 385-9107, attention Debra Sittner. Call her at (970) 385-9100, ext. 25 or Verla Johnson @ ext. 20 to confirm that the fax was received. This is in addition to the phone calls to the BLM.
4. 24 hours prior to any BOP or casing pressure test.
5. 24 hours prior to any cementing operation

PHONE NUMBERS

BLM – Farmington: (505) 599-8907

BLM – Albuquerque: (505) 761-8700

New Mexico Oil Conservation Department: (505) 334-6178

NOTE – Permits come from either the Farmington OR Albuquerque depending upon the area. Refer to the permit for the correct number to call.

Review Emergency Response Plan before rigging up and be prepared to execute the plan if needed!

The objective of this well is to develop the Picture Cliff & Fruitland Coal geologic horizon.

Good oilfield practices are to be used throughout the drilling of this well. This includes measuring and recording the OD, ID and length of everything that goes through the rotary table, using hole covers, etc.

TIME	Days From Spud to...							
		Surf Csg Pt	Drig Out	Int. Csg Pt	Drig Out	TD	Log	Prod Csg Set
	Days	.5	1.5	N/A	N/A	4	N/A	4.5

FORMATIONS	Zone	Depth (TVD)	MW	Zone EM W	Hole Size	Csg Size	FIT / LOT	Remarks
	Surface Casing	250	8.6 – 8.8		8 ¼"	7" 20#, J-55, STC (0' to 250')	None	Severe lost circulation is possible. 200' is the minimum surface casing depth below ground level per NMOC.D.
	OJAM	2342	8.5 - 8.6		6 ¼"	4.5" 10.5#, J-55, STC (0' to TD)	N/A	Possible water flows.
	KRLD	2497						
	FRLD	2912						Gas
	PCCF	3217						Gas , Possible lost circulation & differential sticking
	TOTAL DEPTH	3470	8.7 - 8.9					Gas
	PERMIT TO	3470						

LOGS	Intermediate Logs:	N/A
	TD Logs:	Triple Combo 1000' & gamma to surface.
	Additional Information:	Logging company to provide a sketch with all lengths, OD's & ID's of all tools prior to running in the hole.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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FORM APPROVED
OMB NO. 1004-0135

Expires: November 30, 2000

5. Lease Serial No.
SF 078570

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement Name and/or No.

8. Well Name and No.
SAN JUAN 28-7 273

9. API Well No.
3003926447

10. Field and Pool, or Exploratory Area
S. BLANCO PICTURED CLIFFS

11. County or Parish, and State
RIO ARRIBA NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well Other

2. Name of Operator
CONOCO INC.

3a. Address P.O. BOX 2197 DU 3066
HOUSTON, TX 77252

3b. Phone No.(include area code)
281.293.1005

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1560FEL 1325FSL

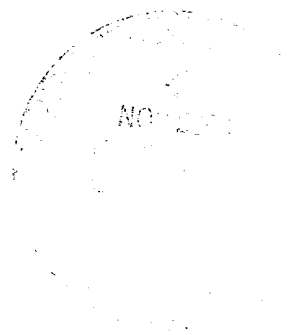
8-4-27N-7W

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TYPE OF SUBMISSION	TYPE OF ACTION			
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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> APDCH
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Conoco requests to change our TD in this well from 3420' to 3470'



Electronic Submission #2024 verified by the BLM Well Information System for CONOCO INC. Sent to the Farmington Field Office
Committed to AFMSS for processing by Maurice Johnson on 11/21/2000

Name (Printed/Typed) **DEBORAH MARBERRY**

Title **SUBMITTING CONTACT**

Signature

Date **11/21/2000**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

[Signature]

Title

Petr. Eng

Date

11/27/00

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

BLM - AFO