

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 079321

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 #279

9. API Well No.

30-039-26449

10. Field and Pool, or Exploratory Area

SOUTH BLANCO PICTURED CLIFFS

11. County or Parish, State

RIO ARRIBA

NM

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 recompleat 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 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 permit to drill to a depth of 3650'. Attached is 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

Date

09/20/2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Jim Lovelace

Title

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.

Office

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)

NMOCD

Operator Name: Conoco
Well Name: SAN JUAN 28-7 UNIT 279
Job Description: 7" Surface @ 250 ft
Date: September 7, 2000



Proposal No: 266750093A

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 279
Job Description: 7" Surface @ 250 ft
Date: September 7, 2000



Proposal No: 266750093A

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
48 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 279
Job Description: 4.5" Long String @ 3650 ft
Date: September 7, 2000



Proposal No: 266750093A

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
6.456 CASING	250	250
6.250 HOLE	3,650	3,650

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
4.500	4.052	10.5	3,650	3,650

Float Collar set @	3,566 ft
Mud Density	8.90 ppg
Mud Type	Water Based
Est. Static Temp.	124 ° F
Est. Circ. Temp.	99 ° F

VOLUME CALCULATIONS

250 ft	x	0.1169 cf/ft	with	0 % excess	=	29.2 cf
3,400 ft	x	0.1026 cf/ft	with	50 % excess	=	523.3 cf
84 ft	x	0.0896 cf/ft	with	0 % excess	=	7.5 cf (inside pipe)
TOTAL SLURRY VOLUME					=	560.0 cf
					=	100 bbls

Operator Name: Conoco
Well Name: SAN JUAN 28-7 UNIT 279
Job Description: 4.5" Long String @ 3650 ft
Date: September 7, 2000



Proposal No: 266750093A

FLUID SPECIFICATIONS

Spacer 20.0 bbls Fresh Water @ 8.34 ppg

FLUID	VOLUME CU-FT	VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Cement Slurry	560	/ 2.02	= 278 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 56.9 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

Reg.

NH

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1. TYPE OF WORK

DRILL ☒ DEEPEN ☒

2. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ OTHER ☐

3. NAME OF OPERATOR

Conoco Inc.

4. ADDRESS AND TELEPHONE NO

10 Desta Drive, Suite 649W, Midland, TX 79705; 914 686 4536

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

At surface

1175' FNL & 845' FWL

At proposed prod. Zone

1175' FNL & 845' FWL

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 drlg. Unit line, if any)

6. NO. OF ACRES IN LEASE

640

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

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

6801'

5. LEASE DESIGNATION AND SERIAL NO

SF 079321A-

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Sah Juan 28-7

8. FARM OR LEASE NAME WELL NO

279

9. API WELL NO

10. FIELD AND POOL, OR WILDCAT

Blanco PC/Basin FC

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

Sec. 3, T27N, R7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

17. NO. OF ACRES ASSIGNED
TO THIS WELL

319.99

154.99 NW/4

20. ROTARY OR CABLE TOOLS

Rotary

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"	J-55; 7"	20#	250'	70 sxs, circ.
6 1/4"	J-55; 4 1/2"	10.5#	3580'	310 sxs, circ.

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

This action is subject to technical and
procedural review pursuant to 43 CFR 3105.3
and appeal pursuant to 43 CFR 3105.4.

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, 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.

SIGNED

(This space for Federal or State office Use)

TITLE Sr. Property Analyst

DATE 5/15/00

PERMIT NO.

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

APPROVAL DATE

6/30/00

APPROVED BY

TITLE

DATE

6/30/00

*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

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 New Mexico
Energy, Minerals & Natural Resources Department

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

Form C-
Revised February 21, 1
Instructions on b
Submit to Appropriate District Off
State Lease - 4 Cop
Fee Lease - 3 Cop

☐ AMENDED REPORT

200 SEP 21 AM 11:56
WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 72439 / 71629		*Pool Name SOUTH BLANCO PICTURED CLIFFS/BASIN FRUITLAND COA	
*Property Code 016608		*Property Name SAN JUAN 28-7 UNIT			
*OGRIID No 005073		*Operator Name CONOCO, INC.			
				*Well Number 279	*Elevation 6801'

10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Ion	Feet from the	North/South line	Feet from the	East/West line	County
D	3	27N	7W		1175	NORTH	845	WEST	RIO ARriba

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 320.94					13 Joint or Infill	14 Consolidation Code	15 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

				17 OPERATOR CERTIFICATION 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> Printed Name: Mike L. Mankin Title: Right-Of-Way Agent Date: 4-12-00	
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. JANUARY 19, 2000 Date of Survey Signature and Seal of NEALE C. EDWARDS Certificate Number: 6857					

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 #279		Area: 28-7		AFE #		AFE \$:	
	County: Rio Arriba		State: New Mexico		Rig:		RKB- 13'	
	API # 30-039-26449		Permit #		Fresh Wtr Prot: Circulate cement on surface casing			
	MD: 3650'		TVD: 3650'		KOP: N/A		G.L. Elev: 6814'	
	Co-ordinates:	WELL	Latitude: 36° 36.4'	Longitude: 107° 34.0'	ERA	Latitude 36° 36.5'	Longitude: 107° 34.0'	
	Location:		1175' ENL & 845' FWL					
			Sec. 3, 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.	
	<u>IT IS THE DRILLING REPRESENTATIVES RESPONSIBILITY TO READ AND FOLLOW ALL STIPULATIONS FOR EACH PERMIT AND ENSURE COMPLIANCE</u>	
	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	
	<u>PHONE NUMBERS</u> 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	Rig Rel.
	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 ¾"	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	2499	8.5 - 8.6		6 ¼"		N/A	Possible water flows.
	KRLD	2662						
	FRLD	3079						Gas
	PCCF	3380						Gas , Possible lost circulation & differential sticking
	TOTAL DEPTH	3650	8.7 - 8.9			10.5#, J-55, STC (0' to TD)		Gas
	PERMIT TO	3650						

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