Form 3160-5
(June 1990)

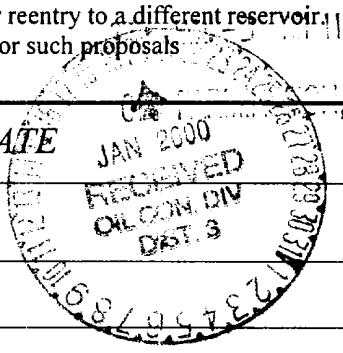
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" For such proposals

SUBMIT IN TRIPLICATE



5. Lease Designation and Serial No.
SF 078498

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation
SAN JUAN 28-7

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

8. Well Name and No.
135E

2. Name of Operator
CONOCO INC.

9. API Well No.
30-039-26171

3. Address and Telephone
10 DESTA DRIVE, SUITE 649W, MIDLAND, TEXAS 79705-4500

10. Field and Pool, or Exploratory Area
MESAVERDE/BASIN DAKOTA

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)
1285' FNL & 1845' FWL
Section 27, T28N, R7W

11. County or Parish, State
RIO ARRIBA, NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☒ Notice of Intent	☐ Abandonment	☒ Change of Plans	
☐ Subsequent Report	☐ Recompletion	☐ New Construction	
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing	
	☐ Casing Repair	☐ Water Shut-Off	
	☐ Altering Casing	☐ Conversion to Injection	
	☒ Other CHANGE IN CASING	☐ Dispose Water	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.

CONOCO INC. PROPOSES TO MAKE CHANGES IN CASING AS REFLECTED IN THE ATTACHED REVISED WELL PLAN OUTLINE.

14. I hereby certify that the foregoing is true and correct
Signed Jo Ann Johnson Title Jo Ann Johnson - Sr. Property Analyst Date December 28, 1999

15. (This space for Federal or State office use)
Approved by Chris Hanadel Title Acting Team Lead Date 1/18/00
Conditions of approval, if any:

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

WELL NAME: **SJ 28-7 UNIT No. 135E**

LOCATION: **SEC 27, T-28N, R-7W, RIO ARRIBA CO., NM**

EST. GL = 6581

EST. KB = 6596

TVD IN 1000'	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE AND DEPTH	FRAC GRAD. psi/ft	FORMATION PRESSURE PSI	MUD WT & TYPE	DAY
					12-1/4"			NORMAL	SPUD MUD 8.4 - 8.8#	
					12-1/4"	9-5/8" 36# WC-50 LTC @ 500'				1
					7-7/8"				GEL/WATER: 8.4 - 8.8#	
1									MAITAIN MW AS LOW AS POSSIBLE	
2										
		OJAM @ 2400' KRLD @ 2515'	POSSIBLE WATERFLOW						GEL/POLYMER: 8.6 - 9.0# CONTROL FLUID LOSS PRIOR TO OJAM (10-12 CC)	
		FRLD @ 2817'	POSSIBLE GAS FLOW					432 PSI		
3			POSSIBLE LOST RETURNS							
		PCCF @ 3231'	POSSIBLE DIFFERENTIAL STICKING					360 PSI		
		LEWS @ 3392'								
4		CHRA @ 4188'						400 PSI		
		CLFH/MV @ 4871'	POSSIBLE LOST RETURNS				0.5	457 PSI		
5		MENF @ 5008'	IF FLUID IN HOLE							
		PTLK @ 5454'	PROBABLE LOST RETURNS							
		MNCS @ 5895'								
6			PROBABLE LOST RETURNS							
		GLLP @ 6662'	PROBABLE LOST RETURNS	FORMATION COMPENSATED DENSITY OR LITHODENSITY W/ GAMMA RAY & CALIPER						
7				COMPENSATED NEUTRON LOG						
		GRHN @ 7393' GRRS @ 7451' PAGU @ 7608'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE IN DEEP DAKOTA	INDUCTION RESISTIVITY W/ GAMMA RAY & SP	7-7/8"	4-1/2" 11.6# S-95 LTC @ 7841' 1 STAGE CEMENT TO SURFACE	0.5	713 PSI BHT = 175 deg F		16
		T.D. @ 7841'								
8		NOTE: PERMIT TO 8141'								

PREPARED:

Ricky Joyce/Brett Thompson

DRILLING ENGINEER

Schlumberger Dowell

PRIMARY CEMENTING PROPOSAL

SURFACE & LONGSTRING

Conoco

San Juan 28-7 Unit #135E

Well Location

Field : San Juan 28-7 Unit
County : Rio Arriba
State : Nm
Country : USA

Prepared for	:	**Brett Thompson**	Service Point	:	FARMINGTON, NM
		Ricky Joyce	Business Phone	:	505-325-5096
Date Prepared	:	12/22/99	FAX No.	:	505-327-0317

Prepared by : Duane Gonzalez
Phone : (281) 293-4538
FAX : (281) 293-4424
E-Mail address : dgonzalez@houston.dowell.slb.com

Well Data: 9 5/8 in. Surface

< Surface

Depth	500	ft.
Casing Size	9 5/8	in., 32.3 lbs./ft.
Open Hole Diameter	12 1/4	in.
BHST	90	°F
BHCT	80.0	°F
Total Excess	100	%
Tail Excess	100	%

Mud Wt./Type: 8.4 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Casing x Open Hole	0.3132 cu.ft./ft
Casing (Internal)	0.4411 cu.ft./ft

Top of Cement **Surface**

Cement System:

Open Hole Fill	(500 x 0.3132 x 2.) / 1.19 = 262 sks.
Casing Shoe Cement	(40 x 0.4411) / 1.19 = 15 sks.
	Total Tail Cement = 277 sks.

< T.D. - 500 ft.

Cementing Systems

Spacer System: 20 bbls .

Fresh Water

Cement System: 275 sks.

Class G + 2% S1 + 0.25 pps D29

Mix Weight	:	15.6	PPG
Yield	:	1.19	cu.ft./sk.
Mix Water	:	5.19	gal./sk.
Fluid Loss	:	800	cc/30 minutes
Thickening Time	:	3:00	hours:minutes
Comp. Strength	:	1,000	psi in 12 hrs.

Schlumberger
Dowell

Conoco
San Juan 28-7 Unit #135E
Rio Arriba County, Nm

Cementing Services Pricing

Units	UOM	Description	Unit Price	Disc. %	Extended Price
MATERIALS AND EQUIPMENT:					
1	EA.	PUMP CHARGE 500 FT 1ST 6HRS	1,019.00	45	560.45
1	EA.	CEMENTING HEAD	83.00	45	45.65
6	HRS.	CEMENT BULK UNITS TIME ON LOCATION	76.00	45	250.80
1	EA.	PRISM RECORDER	220.00	45	121.00
275	SKS.	CLASS B CEMENT	11.83	45	1,789.29
500	LBS.	S1 CALCIUM CHLORIDE	0.51	45	140.25
69	LBS.	D29 CELLOFLAKE	2.02	45	76.66
60	MILES	MILEAGE ON 1 UNITS	3.47	45	114.51
792	T.M.	HAULING 13.2 TONS	1.33	45	579.35
285	CU.FT.	SERVICE CHG.	1.85	45	289.99
1	EA.	TOP WOODEN PLUG	162.00	45	89.10
					==========
		SUBTOTAL (PRICEBOOK)		$	7,376.44
		EFFECTIVE DISCOUNT	45.00	%	3,319.40
					==========
		DISCOUNTED TOTAL PRICE		**$**	**4,057.04**

Well Data: 4 1/2 in. Longstring

< Surface

Depth	7,841	ft.
Casing Size	4 1/2	in., 10.5 lbs./ft.
Open Hole Diameter	7 7/8	in.
Previous Csg. Depth	500	ft.
Previous Csg. Size	9 5/8	in., 32.3 lbs./ft.
BHST	175	°F
BHCT	131.0	°F
Total Excess	35	%
Tail Excess	35	%

< Previous Csg.
500 ft.

Mud Wt./Type: 9.5 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Casing x Open Hole	0.2278 cu.ft./ft
Casing x Previous Casing	0.3307 cu.ft./ft
Casing (Internal)	0.0896 cu.ft./ft

Top of Cement **Surface**

Cement System:

Open Hole Fill	(7,341 x 0.2278 x 1.35) / 2.1 = 1,077 sks.
Previous Casing Fill	(500 x 0.3307) / 2.1 = 79 sks.
Casing Shoe Cement	(80 x 0.0896) / 2.1 = 3 sks.
	Total Tail Cement = 1,160 sks.

< T.D. - 7,841 ft.

Schlumberger
Dowell

Cementing Systems

Spacer System: 20 bbls .

CW-100 Chemical Wash

Cement System: 1,160 sks. CemCRETE Blend

30.7/69.3 (D961/D124) + 0.11%D167 + 0.45%D65 + 0.03gpsbD47 + 0.15%D800

Mix Weight	:	10.01	PPG
Yield	:	2.1	cu.ft./sk.
Mix Water	:	6.71	gal./sk.
Fluid Loss	:	121	cc/30 minutes
Thickening Time	:	5:31	hours:minutes
Comp. Strength	:	1,313	psi in 24 hrs.