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.
CONT 145

6. If Indian, Allottee or Tribe Name
JICARILLA

7. If Unit or CA, Agreement Designation
JICARILLA K

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

8. Well Name and No.
JICARILLA K 13E

2. Name of Operator
CONOCO, INC.

9. API Well No.
30-039-25907

3. Address and Telephone No.
P.O. Box 2197 DU 3066 Houston, TX 77252-2197 (281) 293-1005

10. Field and Pool, or Exploratory Area
BLANCO MV/BASIN DK

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
L, SEC. 11, T25N, R5W
1450' FSL & 940' FWL

11. County or Parish, State
RIO ARRIBA, NM

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 _____	☐ 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 REQUESTS TO REVISE OUR CASING AND CEMENTING PROGRAM FROM THE ORIGINAL APD AS PER THE ATTACHED:

APR 2000
RECEIVED
OIL CON. DIV.
DIST. 3

00 MAR 27 PM 1:29
070 FARMINGTON NM
BLM ALBUQUERQUE, N.M.

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

Signed Deborah Moore Title Regulatory Analyst Date 3/23/00

(This space for Federal or State office use)

Approved by _____ Title Lands and Mineral Resources Date 4/6/00

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.

*See Instruction on Reverse Side

PROPOSED WELL PLAN OUTLINE

EST. GL = 6766

EST. KB = 6779

WELL NAME **Jicarilla K No. 13E**

LOCATION **SEC 11, T-25N, R-5W, RIO ARRIBA CO., NM**

TVD IN 1000	MD	FORMATION TOPS & TYPE	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING SIZE	CASING DEPTH	FRAC GRAD. psi/ft	FORMATION PRESSURE PSI	MUD WT	MUD TYPE	DAYS
0					11" or 12 1/4"	8-5/8" 24# or 9 5/8" 36# J-55 or K-55, ST&C @ 350'			NORMAL	8.4 - 8.8#	SPUD MUD	1
					7 7/8" or 8 3/4"	CIRC CMT				8.4 - 8.8#	GEL/POLYMER MAINTAIN MW AS LOW AS POSSIBLE	
1												
2												
		OJAM @ 2481'	POSSIBLE WATERFLOW						432 PSI		CONTROL FLUID LOSS PRIOR TO OJAM	
		FRLD @ 2657'	POSSIBLE GAS FLOW POSSIBLE LOST RETURNS						360 PSI			
3		PCCF @ 3025'	POSSIBLE DIFFERENTIAL STICKING									
		LEWS @ 3171'										
						DV TOOL SET @ 3500' (CONTINGENT ON LOST CIRCULATION)						
		CHRA @ 3930'				CMT TO SURFACE			400 PSI			
4												
		CLFH/MV @ 4722'						0.5	457 PSI			
		MENF @ 4736'										
5												
		PTLK @ 5247'	POSSIBLE SEVERE LOST RETURNS									
		MNCS @ 5608'				DV TOOL SET @ 5550' (50'-100' ABOVE MNCS) CMT TO DV TOOL @ 3500' OR TO SURFACE						
6												
		U. GLLP @ 6289'										
		M. GLLP @ 6559'										
		SNST @ 6866'										
7												
		GRHN @ 7165'	POSSIBLE WATERFLOW									
		GRRS DKOT @ 7221'	POSSIBLE OVERPRESSURE					0.5	715 PSI			
				CASED HOLE LOGS	7-7/8"	4-1/2" 10.5# K-55			BHP - 2500 PSI	8.4 - 8.8#		
		PAGU @ 7378'	IN DEEP DAKOTA		or 8 3/4"	STC @ 7472'			BHT = 175 deg F	GEL/POLYMER		16
		T.D. @ 7472'				CMT TO DV TOOL AT TOP OF MNCS						
8												
		NOTE: PERMIT TO 7772'										

1:06 PM

DATE 03/23/00

PREPARED:

Ricky Joyce

DRILLING ENGINEER

Schlumberger

PRIMARY CEMENTING PROPOSAL

SURFACE & LONGSTRING

Conoco

Jicarilla K #13E

Well Location

County : Rio Arriba
State : New Mexico
Country : USA

Prepared for : **Ricky Joyce**

Date Prepared : #########

Service Point : FARMINGTON, NM
Business Phone : 505-325-5096
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	350	ft.
Casing Size	9 5/8	in., 36 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: 8.8 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Casing x Open Hole	0.3132 cu.ft./ft
Casing (Internal)	0.4338 cu.ft./ft

Top of Cement **Surface**

Cement System:

Open Hole Fill	(350 x 0.3132 x 2.) / 1.19 = 184 sks.
Casing Shoe Cement	(40 x 0.4338) / 1.19 = 15 sks.
	Total Tail Cement = 198 sks.

< T.D. - 350 ft.

Cementing Systems

Spacer System: 20 bbls .

Fresh Water

Cement System: 200 sks.

Class B + 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	:	N/C	cc/30 minutes
Thickening Time	:	2:30	hours:minutes
Comp. Strength	:	1,000	psi in 12 hrs.

Well Data: 4 1/2 in. Production - Stage 1

Depth	7,472	ft.
Casing Size	4 1/2	in., 10.5 lbs./ft.
Open Hole Diameter	8 3/4	in.
Previous Csg. Depth	350	ft.
Previous Csg. Size	9 5/8	in., 36 lbs./ft.
BHST	175	°F
BHCT	129.3	°F
Total Excess	35	%
Tail Excess	35	%
Stage Collar Depth	5,500	ft.

Mud Wt./Type: 8.8 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Casing x Open Hole	0.3071 cu.ft./ft
Casing x Previous Casing	0.3234 cu.ft./ft
Casing (Internal)	0.0896 cu.ft./ft

Top of Cement **5,550 ft.**

Cement System:

Open Hole Fill	(1,922 x 0.3071 x 1.35) / 1.6 = 497 sks.
Casing Shoe Cement	(84 x 0.0896) / 1.6 = 5 sks.
	Total Tail Cement = 502 sks.

Well Data: 4 1/2 in. Production - Stage 2

Depth	7,472	ft.
Casing Size	4 1/2	in., 10.5 lbs./ft.
Open Hole Diameter	8 3/4	in.
Previous Csg. Depth	350	ft.
Previous Csg. Size	9 5/8	in., 36 lbs./ft.
BHST	150	°F
BHCT	112.0	°F
Total Excess	35	%
Lead Excess (calculated O.H.)	35.0	%
Tail Excess	35	%
Stage Collar Depth	5,500	ft.

Mud Wt./Type: 8.8 ppg Fresh Wtr. Based

Calculations:

Volume Factors:

Casing x Open Hole	0.3071 cu.ft./ft
Casing x Previous Casing	0.3234 cu.ft./ft
Casing (Internal)	0.0896 cu.ft./ft

Top of Lead	**Surface**
Top of Tail	**4,522 ft.**

Lead System:

Open Hole Fill	(4,172 x 0.3071 x 1.35) / 2.88 = 601 sks.
Previous Casing Fill	(350 x 0.3234) / 2.88 = 40 sks.
	Total Lead Cement = 641 sks.

Tail System:

Open Hole Fill	(978 x 0.3071 x 1.35) / 1.6 = 253 sks.
Casing Shoe Cement	(84 x 0.0896) / 1.6 = 5 sks.
	Total Tail Cement = 258 sks.