

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

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

2. Name of Operator
CONOCO, INC.

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

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

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

8. Well Name and No.

JICARILLA K 13E

9. API Well No.
30-039-25907

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

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

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

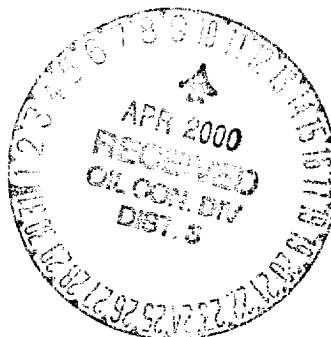
TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☒ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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:



00 MAR 27 PM 1:29
ALBUQUERQUE, N.M.

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

Signed

Richard Moore

Title Regulatory Analyst

Date

3/23/00

(This space for Federal or State office use)

Lands and Mineral Resources

Approved by

[Signature]

Title

Date

4/6/00

Conditions of approval, if any:

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 DEPTH	FRAC GRAD. psi/ft	FORMATION PRESSURE PSI	MUD WT 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		
		FRLO @ 2657'	POSSIBLE GAS FLOW POSSIBLE LOST RETURNS					360 PSI		
3		PCCF @ 3025'	POSSIBLE DIFFERENTIAL STICKING							
		LEWS @ 3171'								
4		CHRA @ 3930'				DV TOOL SET @ 3500' (CONTINGENT ON LOST CIRCULATION) CMT TO SURFACE		400 PSI		
		CLFH/MV @ 4722' MENF @ 4736'					0.5	457 PSI		
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'								
7		SNST @ 6866'								
		GRHN @ 7165' GRRS DKOT @ 7221'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE	CASED HOLE LOGS	7-7/8"	4-1/2" 10 5# K-55	0.5	715 PSI BHP - 2500 PSI	8.4 - 8.8# GEL/POLYMER	16
		PAGU @ 7378' T.D. @ 7472'	IN DEEP DAKOTA		or 8 3/4"	STC @ 7472' CMT TO DV TOOL AT TOP OF MNCS		BHT = 175 deg F		
8										
		NOTE: PERMIT TO 7772'								

1:06 PM

DATE 03/23/00

PREPARED:

Ricky Joyce
 DRILLING ENGINEER



PRIMARY CEMENTING PROPOSAL

SURFACE & LONGSTRING

Conoco

Jicarilla K #13E

Well Location

County : Rio Arriba
State : New Mexico
Country : USA

Prepared for : Ricky Joyce

Service Point : FARMINGTON, NM

Business Phone : 505-325-5096

Date Prepared : #####

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

Disclaimer Notice:

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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	$(350 \times 0.3132 \times 2.) / 1.19 = 184 \text{ sks.}$
Casing Shoe Cement	$(40 \times 0.4338) / 1.19 = 15 \text{ sks.}$
Total Tail Cement	$= 198 \text{ sks.}$

< 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.

Notice:

Performance parameters for cement systems recommended are typically taken from existing laboratory data. In some cases, data exist which duplicate the recommended systems and job environment, but when those data do not exist, extrapolations are made from data which most closely match the anticipated conditions. Sufficient lead-time should always be allowed, so that pilot samples/field blends can be run to verify system performance parameters, before actually pumping the job.

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

< Surface	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.

< Previous Csg.
350 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.**

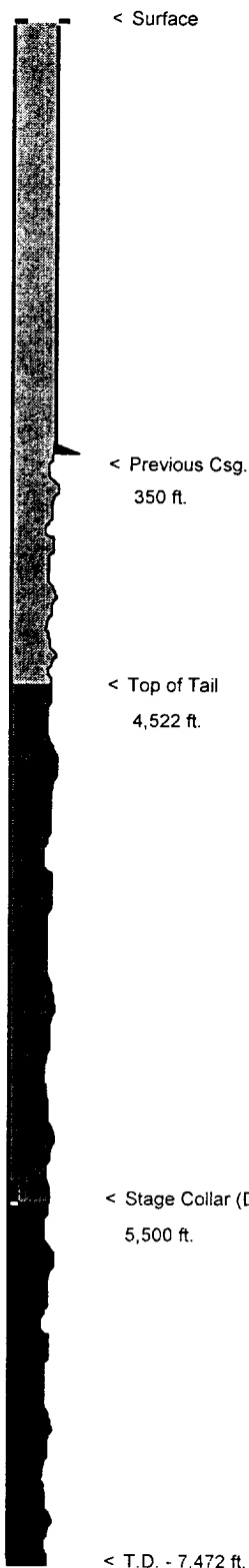
Cement System:

Open Hole Fill	$(1,922 \times 0.3071 \times 1.35) / 1.6 = 497 \text{ sks.}$
Casing Shoe Cement	$(84 \times 0.0896) / 1.6 = 5 \text{ sks.}$
Total Tail Cement	502 sks.

< Stage Collar (DV)
5,500 ft.
< Top of Cmt.
5,550 ft.

< T.D. - 7,472 ft.

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	$(4,172 \times 0.3071 \times 1.35) / 2.88 = 601 \text{ sks.}$
Previous Casing Fill	$(350 \times 0.3234) / 2.88 = 40 \text{ sks.}$
Total Lead Cement	= 641 sks.

Tail System:

Open Hole Fill	$(978 \times 0.3071 \times 1.35) / 1.6 = 253 \text{ sks.}$
Casing Shoe Cement	$(84 \times 0.0896) / 1.6 = 5 \text{ sks.}$
Total Tail Cement	= 258 sks.