

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)

A, SEC.12, T25N, R5W
1190' FNL & 1060' FEL

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 16E

9. API Well No.

30-039-25841

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

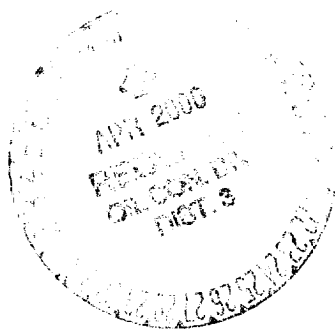
TYPE OF ACTION

- ☐ 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:



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

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

Signed

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:

REVISED WELL PLAN OUTLINE

(Adjusted for surface elev. Change of 270' - old surf elevation of 6693')

EST. GL = 6963

EST. KB = 6976

WELL NAME **Jicarilla K No. 16E**LOCATION **SEC 12, T-25N, R-5W, RIO ARRIBA CO., NM**

TVD IN	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
1000 MD				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
0				7 7/8" or 8 3/4"	CIRC CMT			8.4 - 8.8# GEL/POLYMER MAINTAIN MW AS LOW AS POSSIBLE	
1									
2									
3	OJAM @ 2796' FRLD @ 2972'	POSSIBLE WATERFLOW POSSIBLE GAS FLOW					432 PSI 360 PSI	CONTROL FLUID LOSS PRIOR TO OJAM	
4	PCCF @ 3340' LEWS @ 3486'	POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL STICKING			DV TOOL SET @ 3870' (CONTINGENT ON LOST CIRCULATION) CMT TO SURFACE		400 PSI		
5	CHRA @ 4182'					0.5	457 PSI		
6	CLFH/MV @ 4974' MENF @ 4988'								
7	PTLK @ 5499'	POSSIBLE SEVERE LOST RETURNS			DV TOOL SET @ 5795' (50'-100' ABOVE MNCS) CMT TO DV TOOL @ 3870' OR TO SURFACE				
8	MNCS @ 5860'								
9	U. GLLP @ 6574' M. GLLP @ 6844'								
10	SNST @ 7151'								
11	GRHN @ 7450'	POSSIBLE WATERFLOW							
12	GRRS DKOT @ 7506'	POSSIBLE OVERPRESSURE							
13	PAGU @ 7663'	IN DEEP DAKOTA	CASED HOLE LOGS	7-7/8" or 8 3/4"	4-1/2" 10.5# K-55 STC @ 7757'	0.5	715 PSI BHP - 2500 PSI BHT = 175 deg F	8.4 - 8.8# GEL/POLYMER	16
14	T.D. @ 7757'				CMT TO DV TOOL AT TOP OF MNCS				
15	NOTE: PERMIT TO 7787'								

1:12 PM

DATE 03/23/00

PREPARED:

Ricky Joyce

DRILLING ENGINEER



PRIMARY CEMENTING PROPOSAL

SURFACE & LONGSTRING

Conoco

Jicarilla K #16E

Well Location

County : Rio Arriba
State : New Mexico
Country : USA

Prepared for : Ricky Joyce

Date Prepared : 21-Mar-00

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

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	7,757 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	130.6 °F
	Total Excess	35 %
	Tail Excess	35 %
	Stage Collar Depth	5,795 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 5,795 ft.

Cement System:

Open Hole Fill	$(1,962 \times 0.3071 \times 1.35) / 1.6 = 508 \text{ sks.}$
Casing Shoe Cement	$(84 \times 0.0896) / 1.6 = 5 \text{ sks.}$
Total Tail Cement	$= 512 \text{ sks.}$

< Top of Cmt./DV Tool
5,795 ft.

< T.D. - 7,757 ft.

Cementing Systems

Spacer System: 20 bbls .

CW-100 Chemical Wash

Cement System: 510 sks.

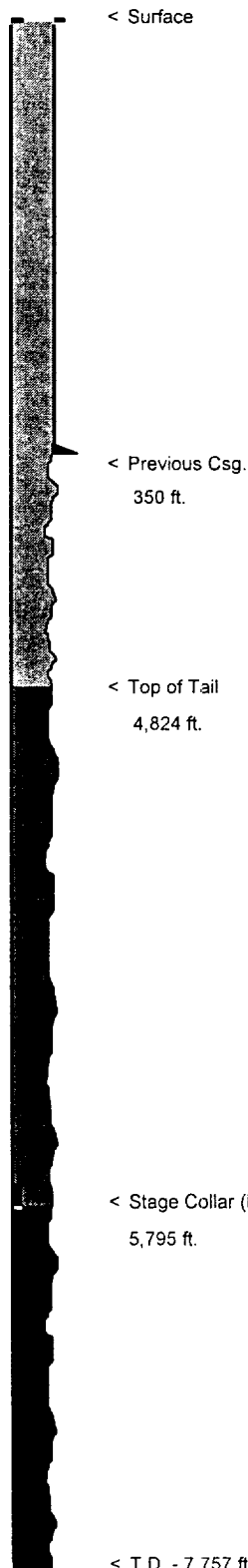
50:50 Poz:Class B + 2.75% D20 + 0.2% D167 + 0.2% D46 + 0.25 pps D29

Mix Weight	:	12.4 PPG
Yield	:	1.6 cu.ft./sk.
Mix Water	:	8.29 gal./sk.
Fluid Loss	:	372 cc/30 minutes
Thickening Time	:	4:30 hours:minutes
Comp. Strength	:	1,200 psi in 48 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 2



Depth	7,757 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	113.6 °F
Total Excess	35 %
Lead Excess (calculated O.H.)	35.0 %
Tail Excess	35 %
Stage Collar Depth	5,795 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	4,824 ft.

Lead System:

Open Hole Fill	$(4,474 \times 0.3071 \times 1.35) / 2.88 = 645 \text{ sks.}$
Previous Casing Fill	$(350 \times 0.3234) / 2.88 = 40 \text{ sks.}$
Total Lead Cement	$= 684 \text{ sks.}$

Tail System:

Open Hole Fill	$(971 \times 0.3071 \times 1.35) / 1.6 = 251 \text{ sks.}$
Casing Shoe Cement	$(84 \times 0.0896) / 1.6 = 5 \text{ sks.}$
Total Tail Cement	$= 256 \text{ sks.}$