

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)

D, SEC.22, T26N, R4W
30' FNL & 1150' FWL

5. Lease Designation and Serial No.

CONT 104

6. If Indian, Allottee or Tribe Name

JICARILLA

7. If Unit or CA, Agreement Designation

JICARILLA E

8. Well Name and No.

JICARILLA E 12A

9. API Well No.

30-039-25844

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 1:00
BLANCO MV/BASIN DK

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

Signature

Deborah Moore

Title Regulatory Analyst

Date

3/23/00

(This space for Federal or State office use)

Approved by

[Signature]

Title

Lands and Mineral Resources

Date

4/6/00

Conditions of approval, if any

PROPOSED WELL PLAN OUTLINE

EST GL = 6797

EST KB = 6810

WELL NAME **Jicarilla E No. 12A**LOCATION **SEC 22, T-26N, R-4W, 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									
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 CM			8 4 - 8 8# GEL/POLYMER MAINTAIN MW AS LOW AS POSSIBLE	
1									
2									
3	OJAM @ 2904'	POSSIBLE WATERFLOW					432 PSI		
	FRLD @ 3137'	POSSIBLE GAS FLOW					360 PSI		
	PCCF @ 3438'	POSSIBLE LOST RETURNS							
	LEWS @ 3599'	POSSIBLE DIFFERENTIAL STICKING							
4					DV TOOL SET @ 4000' (CONTINGENT ON LOST CIRCULATION) CMT TO SURFACE		400 PSI		
5	CLFH/MV @ 5098' MENF @ 5225'					0.5	457 PSI		
6	P7LK @ 5590'	POSSIBLE SEVERE LOST RETURNS			DV TOOL SET @ 6000' (50'-100' ABOVE MNCS) CMT TO DV TOOL @ 4000' OR TO SURFACE				
	MNCS @ 6059'								
	U GLLP @ 6723'								
	M GLLP @ 6947'								
7	TOCT @ 7160'								
	GRHN @ 7551'	POSSIBLE WATERFLOW							
	GRRS DKOT @ 7610'	POSSIBLE OVERPRESSURE							
	PAGU @ 7764'	IN DEEP DAKOTA	CASED HOLE LOGS	7-7/8" or 8 3/4"	4-1/2" 10.5# K-55 STC @ 7868'	0.5	715 PSI BHP - 2500 PSI BHT = 175 deg F	8 4 - 8 8# GEL/POLYMER	16
	T.D. @ 7868'				CMT TO DV TOOL AT TOP OF MNCS				
8									
	NOTE PERMIT TO 8163'								

1:13 PM

DATE 03/23/00

PREPARED

Ricky Joyce
DRILLING ENGINEER



PRIMARY CEMENTING PROPOSAL

SURFACE & LONGSTRING

Conoco

Jicarilla E #12A

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 : 21-Mar-00

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:

This information is presented in good faith, but no warranty is given and Dowell assumes no liability for advice or recommendations made concerning results to be obtained from the use of any product or service. Prices quoted are estimates only, and are good for 30 days from the date of issue. Actual charges may vary depending upon time, equipment, and material, ultimately required to perform these services. Freedom from infringement of patents of Dowell or others is not to be inferred.

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: 9 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.

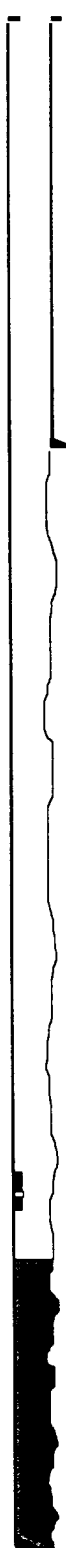
Class B + 2% S1 + 0.25 pps D29

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	7,868 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	131.1 °F
		Total Excess	35 %
		Tail Excess	35 %
		Stage Collar Depth	0 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 **6,000 ft.**

Cement System:

Open Hole Fill	$(1,868 \times 0.3071 \times 1.35) / 1.6 = 483 \text{ sks.}$
Casing Shoe Cement	$(84 \times 0.0896) / 1.6 = 5 \text{ sks.}$
Total Tail Cement	$= 488 \text{ sks.}$

< Stage Collar (DV)
ft.

< Top of Cmt.
6,000 ft.

< T.D. - 7,868 ft.

Cementing Systems

Spacer System: 20 bbls .

CW-100 Chemical Wash

Cement System: 490 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

< Surface

Depth	7,868 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	80 °F
BHCT	80.0 °F
Total Excess	35 %
Lead Excess (calculated O.H.)	0.0 %
Tail Excess	35 %
Stage Collar Depth	0 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	Surface

Lead System:

Previous Casing Fill $(4,948 \times 0.3234 \times 1.35) / 2.88 = 751 \text{ sks.}$

Tail System:

Previous Casing Fill	$(1,052 \times 0.3234 \times 1.35) / 1.6 = 287 \text{ sks.}$
Casing Shoe Cement	$(84 \times 0.0896) / 1.6 = 5 \text{ sks.}$
1Total Tail Cement	$= 291 \text{ sks.}$

< T.D. - 7,868 ft.

Cementing Systems

Spacer System: 20 bbls .

CW-100 Chemical Wash

Lead System: 750 sks.

Class B + 3% D79 + 1% S1 + 0.2% D46

Mix Weight	:	11.4	PPG
Yield	:	2.88	cu.ft./sk.
Mix Water	:	17.71	gal./sk.
Fluid Loss	:	N/C	cc/30 minutes
Thickening Time	:	5:00	hours:minutes
Comp. Strength	:	300	psi in 48 hrs.

Tail System: 290 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.

This quote is valid for a period of thirty days from the date submitted. These prices are estimates based on current price structure and will vary somewhat with the materials, equipment, and time actually required at the time of service. The discount shown will be applicable to the most current Dowell price book in effect at the time of service. Not included are the costs of fluid storage, oil, water, (or transportation thereof) except as listed. Dowell does not offer these services.

The cement slurry data presented are from systems previously tested in Dowell laboratories. Thickening time tests should be run when field mix water is available and final temperatures are known. Mud\Cement compatibility tests should be run when final mud systems are in use. These tests could cause quantity variations of the materials recommended, thereby affecting the price of the job.

In the interest of safety, a pre-job tailgate safety meeting will be held with your representative and other on-location personnel to familiarize everyone with existing hazards and safety procedures. During this meeting a designated wash-up area will be assigned for our cementing unit to dispose of our cement slurry and drilling mud displacement fluid.

Thank you for considering Dowell for this work. Please do not hesitate to call with any questions or concerns.

Duane Gonzalez
Houston, Tx