

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)
B, SEC. 11, T25N, R5W
1190 FNL & 1580' 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 14E

9. API Well No.
30-039-25840

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	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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 [Signature] 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 = 6713

EST. KB = 6726

WELL NAME **Jicarilla K No. 14E**LOCATION **SEC 11, 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
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 @ 2471'	POSSIBLE WATERFLOW					432 PSI		
	FRLD @ 2647'	POSSIBLE GAS FLOW POSSIBLE LOST RETURNS					360 PSI		
3	PCCF @ 3015'	POSSIBLE DIFFERENTIAL STICKING							
	LEWS @ 3161'								
4					DV TOOL SET @ 3500' (CONTINGENT ON LOST CIRCULATION) CMT TO SURFACE		400 PSI		
	CHRA @ 3925'								
	CLFH/MV @ 4717' MENF @ 4731'					0.5	457 PSI		
5									
	PTLK @ 5242'	POSSIBLE SEVERE LOST RETURNS							
	MNCS @ 5603'				DV TOOL SET @ 5550' (50'-100' ABOVE MNCS) CMT TO DV TOOL @ 3500' OR TO SURFACE				
6									
	U. GLLP @ 6273'								
	M. GLLP @ 6543'								
	SNST @ 6850'								
7									
	GRHN @ 7149' GRRS DKOT @ 7205'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE	CASED HOLE LOGS	7-7/8"	4-1/2" 10.5# K-55 STC @ 7456'	0.5	715 PSI BHP - 2500 PSI BHT = 175 deg F	8.4 - 8.8# GEL/POLYMER	16
	PAGU @ 7362' T.D. @ 7456'	IN DEEP DAKOTA		or 8 3/4"	CMT TO DV TOOL AT TOP OF MNCS				
8									
	NOTE: PERMIT TO 7756'								

1:11 PM

DATE 03/23/00

PREPARED:

Ricky Joyce
 DRILLING ENGINEER



PRIMARY CEMENTING PROPOSAL

SURFACE & LONGSTRING

Conoco

Jicarilla K #14E

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:

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: 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.

Cementing Systems

Spacer System: 20 bbls .

CW-100 Chemical Wash

Cement System: 510 sks.

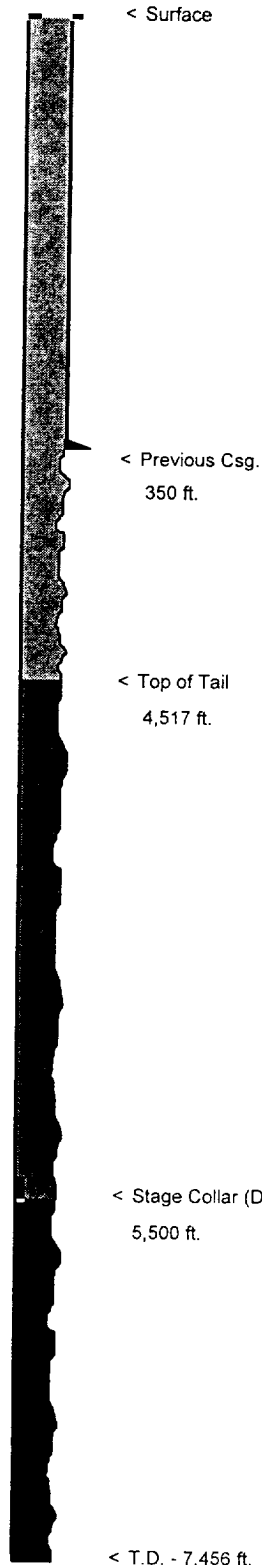
50:50 Poz:Class B + 2.75% D20 + 0.2% D167 + 0.2% D46 + 0.25 pps D29

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	7,456 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	4,517 ft.

Lead System:

Open Hole Fill	$(4,167 \times 0.3071 \times 1.35) / 2.88 = 601 \text{ sks.}$
Previous Casing Fill	$(350 \times 0.3234) / 2.88 = 40 \text{ sks.}$
Total Lead Cement	= 640 sks.

Tail System:

Open Hole Fill	$(983 \times 0.3071 \times 1.35) / 1.6 = 254 \text{ sks.}$
Casing Shoe Cement	$(84 \times 0.0896) / 1.6 = 5 \text{ sks.}$
Total Tail Cement	= 259 sks.

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