			/
F 2140 F	118111	TED STATES	FORM (PROCUED
Form 3160-5 (June 1990)		TED STATES	FORM APPROVED Budget Bureau No. 1004-0135
(Suite 1770)		T OF THE INTERIOR	Expires: March 31, 1993
	BUREAU OF L	5. Lease Designation and Serial No.	
	SUNDRY NOTICES	AND REPORTS ON WELLS	CONT 145
Do not use this fo		If or to deepen or reentry to a different reservo	6. If Indian, Allottee or Tribe Name
U	se "APPLICATION FOR	PERMIT—" for such proposals	JICARILLA
			7. If Unit or CA, Agreement Designation
	SUBMIT	IN TRIPLICATE / APR 2000	JICARILLA K
1. Type of Well		THE PROPERTY OF THE PARTY OF TH	STOAKIELA K
Oil Gas Well	Other	Vije Ovices two	8. Well Name and No.
2. Name of Operator	C Other		JICARILLA K 17M
CONOCO, II	NC.		9. API Well No.
3. Address and Telephone N		12000 St.	30-039-25842
P.O. Box	2197 DU 3066 Hot	iston, TX 77252-2197 293-1005	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage	e, Sec., T., R., M., or Survey De		BLANCO MV/BASIN DK
0, SEC.12	., T25N, R5W		11. County or Parish, State
790' FSL	& 1850' FEL		RIO ARRIBA, NM
12. CHECK	APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REI	PORT, OR OTHER DATA
TYPE OF S	SUBMISSION	TYPE OF ACTI	ON
	000111001014	THE 31 A311	
Notice of	f Intent	Abandonment	Change of Plans
		Recompletion	New Construction
L_J Subseque	ent Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
☐ Final Ab	andonment Notice	Altering Casing	Conversion to Injection
		Other	Dispose Water (Note: Report results of multiple completion on Well
13 5 1 5	1		Completion or Recompletion Report and Log form)
		pertinent details, and give pertinent dates, including estimated date of st l depths for all markers and zones pertinent to this work.)*	tarting any proposed work. If well is directionally drilled
Ü			
CONOCO REO	HESTS TO REVISE	OUR CASING AND CEMENTING PRO	OGRAM FROM THE ORIGINA
APD AS PER T	HE ATTACHED:		
			<u></u> o
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			LB
			RECE BI 00 MAR 27
			7
			PH ROLL
			1 €
			RECEIVI BLM 0 MAR 27 PM 1: 28
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Approved by Conditions of approval, if any Title

Regulatory Analyst

Lande Bild Windral Resourt E.

14. I hereby cornify

(This space for Federal or State office use)

PROPOSED WELL PLAN OUTLINE

WELL NAME Jicarilla K No. 17M

EST. GL =

7379

EST. KB =

7392

			R-5W, RIO ARRIBA CO							
TVD		FORMATION		TYPE OF				FORMATION	MUD	
IN		TOPS &	DRILLING	FORMATION	HOLE		GRAD.	PRESSURE		
1000	MD	TYPE	PROBLEMS	EVALUATION	SIZE	SIZE DEPTH	psi/ft	PSI	WT TYPE	DAYS
0					11" or	8-5/8" 24# or 9 5/8" 36#			8.4 - 8.8#	
	-				12 1/4"	J-55 or K-55, ST&C @ 350'		NORMAL	SPUD MUD	1
1					7 7/8" or 8 3/4"	CIRC CMT			8.4 - 8.8#	
1	\vdash	İ			0.3/4				I	
	├ ─	į							GEL/POLYMER	
									MAINTAIN MW AS	
									LOW AS POSSIBLE	
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		1							BOUTDOL FLUID : CCC] [
]							CONTROL FLUID LOSS	
3	 	O IAM @ 3155'	DOSCIBLE WATERE OW					432 PSI	PRIOR TO OJAM	
	-	OJAM @ 3156'	POSSIBLE WATERFLOW							
		FRLD @ 3332'	POSSIBLE GAS FLOW				1	360 PSI		
	<u> </u>	PCCF @ 3700'	POSSIBLE LOST RETURNS POSSIBLE DIFFERENTIAL							
1		1	STICKING							
1		LEWS @ 3846'							1	
4	·	1								
	-	1				DV TOOL SET @ 4200'				
1		1				(CONTINGENT ON LOST				
		0.101 0.4005				CIRCULATION) CMT TO SURFACE		400 PSI	1	
	├	CHRA @ 4605				CMT TO SURFACE		400 F31		
5]					1			
1		CLFH/MV @ 5397					0.5	457 PSI		
i	\vdash	MENF @ 5411					0.5	457 1 51		
		1 -								
]							1	
	-	PTLK @ 5922'	POSSIBLE SEVERE LOST							
6		1 - 3	RETURNS							
1		j				DV TOOL SET @ 6225' (50'-100' ABOVE MNCS)	İ			
		MNCS @ 6283'				(50'-100' ABOVE MNCS) CMT TO DV TOOL @ 4200'				
	-	1				OR TO SURFACE				
	-	1				5 10 001d /102				
		I CUB A COLC				no-decease				
1 -	,}	U. GLLP @ 6946'				Solitor				
7	-	-								
		M. GLLP @ 7216'								
]								
	ļ	SNST @ 7523'						1		
	\vdash	GRHN @ 7822'	POSSIBLE WATERFLOW POSSIBLE OVERPRESSURE							
		GRRS DKOT @ 7878'	POSSIBLE OVERPRESSURE	3	1		0.5	715 PSI		
8	1	0.010.000	IN DEED DAYOT:	CASED HOLE LOGS	7-7/8	4-1/2" 10.5# K-55		BHP - 2500 PSI BHT = 175 deg F	8.4 - 8.8# GEL/POLYMER	16
	-	PAGU @ 8035'	IN DEEP DAKOTA		or 8 3/4"	LTC @ 8129'	. s	10n1 - 1/3 deg r	GELFOLIMEN	+
		NOTE:								
L		PERMIT TO 8429	1	L	L	L	<u> </u>	4.45.01		

1:15 PM

DATE

03/23/00

PREPARED:

Ricky Joyce
DRILLING ENGINEER

PRIMARY CEMENTING PROPOSAL

SURFACE & LONGSTRING

Conoco

Jicarilla K #17M

Well Location

County: Rio Arriba State : New Mexico

Country: USA

Prepared for : Ricky Joyce

Service Point : FARMINGTON, NM

Date Prepared

21-Mar-00

Business Phone : 505-325-5096

FAX No.

: 505-327-0317

Prepared by

Duane Gonzalez

Phone FAX

(281) 293-4538 (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 conceming 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.

Conoco Jicarilla K #17M

Rio Arriba County, New Mexico

Page 2

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

Cement System:

Open Hole Fill $(350 \times 0.3132 \times 2.) / 1.19 = 184$ sks. Casing Shoe Cement $(40 \times 0.4338) / 1.19 = 15$ sks.

Total Tail Cement = 198 sks.

Surface

Conoco Jicarilla K #17M Rio Arriba County, New Mexico Page 3

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.

Conoco Jicarilla K #17M

Rio Arriba County, New Mexico

Page 5

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

< Surface

Depth 8,129 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
 132.3 °F

 Total Excess
 35 %

 Tail Excess
 35 %

 Stage Collar Depth
 6,225 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

6,225 ft.

Cement System:

Open Hole Fill

 $(1,904 \times 0.3071 \times 1.35) / 1.6 = 493 \text{ sks.}$

Casing Shoe Cement

 $(84 \times 0.0896) / 1.6 = 5 \text{ sks}.$

Total Tail Cement = 497 sks.

< Top of Cmt./DV Tool 6,225 ft.

Conoco Jicarilla K #17M Rio Arriba County, New Mexico Page 6

Cementing Systems

Spacer System: 20 bbls.

CW-100 Chemical Wash

Cement System: 495 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.

 372 cc/30 min

Fluid Loss : 372 cc/30 minutes
Thickening Time : 4:30 hours:minutes
Comp. Strength : 1,200 psi in 48 hrs.

Conoco Jicarilla K #17M Rio Arriba County, New Mexico Page 7

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

<	Surface

Depth 8,129 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
 116.0 °F

 Total Excess
 35 %

 Lead Excess (calculated O.H.)
 35.0 %

 Tail Excess
 35 %

 Stage Collar Depth
 6,225 ft.

< Previous Csg. 350 ft.

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

Calculations:

Volume Factors:

< Top of Tail 5,247 ft. 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 Top of Tail Surface 5,247 ft.

Lead System:

Open Hole Fill
Previous Casing Fill

 $(4,897 \times 0.3071 \times 1.35) / 2.88 = 706$ sks.

 $(350 \times 0.3234) / 2.88 = 40 \text{ sks}.$

Total Lead Cement = 745 sks.

< Stage Collar (DV) 6,225 ft.

Tail System:

Open Hole Fill
Casing Shoe Cement

 $(978 \times 0.3071 \times 1.35) / 1.6 = 253$ sks.

 $(84 \times 0.0896) / 1.6 = 5 \text{ sks}.$

Total Tail Cement = 258 sks.

Conoco Jicarilla K #17M Rio Arriba County, New Mexico Page 8

Cementing Systems

Spacer System: 20 bbls.

CW-100 Chemical Wash

Lead System: 745 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: 260 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.

Conoco Jicarilla K #17M Rio Arriba County, New Mexico Page 10

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