Schlumberger

CEMENT QUALITY LOG

COMPANY RCO INC.
WELL JUDY FEDERAL NO. 1
FIELD ESCRITO-GALLUP
COUNTY RIO ARRIBA STATE NEW MEXICO
LOCATION 790 FSL 790 FEL
Sec. 17 Twp. 24N Rge. 7W
Other Services: CNL/GR

COUNTY RIO ARRIBA
Field or LOCATION ESCRITO-GALLUP
WELL JUDY FEDERAL NO.1
COMPANY RCO INC.

Permanent Datum: GL
Log Measured From: KB 13.5 ft. Above Perm. Datum
Drilling Measured From: KB

Elev.: K.B. 7313
G.L. 7299.5

Date	11-24-72	
Depth-Driller	5160	
Depth-Logger	5163	
Bottom log interval	5160	
Top log interval	4500	
Casing-Driller	8 5/8 @ 324	
Casing-Logger		
Bit Size	7 7/8	
Type fluid in hole	LIGNOSULFATE	
Dens.	9.1	
Visc.	45	
pH	10.5	
Fluid loss	4.5	
Source of sample	FLOWLINE	
Rm @ meas. temp.	.61 @ 70°	
Rmf @ meas. temp.	.47 @ 70°	
Rmc @ meas. temp.	.35 @ 70°	
Source: Rmf / Rmc	MEASURED / MEASURED	
Rm @ BHT	.29 @ 150°	
Time since circulation	8 HRS	
Time since cement		
Max. rec. temp. deg. F	150	
Equipment-location	5-1/2	1-64
Recorded by	BILLIE	Bannon
Witnessed by		

CASING RECORD				
	Size	Wgt.	From	To
Surface string	8 5/8	24	KB	324
Prod. string	5 1/2	15.5	KB	5160
Liner				

TUBING RECORD			
	Size	Wgt.	Depth
Tubing			
Liner			

Type Drill Fluid	WATER
Hole Sec. Temp.	FULL
Est. Cement Top	SURFACE
Cement Top Evaluation	FAIR

Max. Rec. Temp.	150 °F
Equipment Number	--
Location	--
Recorded by	ELLIS
Witnessed by	BILLIE

Type Log	CNL/GR
Run No.	ONE
Depth Driller	5160
Depth Logger	5163
Bottom Log Interval	5160
Top Log Interval	4500
Type Log	CNL/GR
Scale	5"
Time Log Started	1 AM
Time Log Finished	3 AM

Remarks: PRIMARY CEMENTING DATA
Previous Casing Cemented: Yes No
Liner

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

PRIMARY CEMENTING PROCEDURE

	Hour	date	Hours from start of operation
Started pumping cement	1300	11-20-72	
Release pressure	1330	11-20-72	
Start Cement Quality Log	1300	11-24-72	
Finish Cement Quality Log			

Preceding fluid _____ Volume _____ bbls.
Cement pumped _____ bbls./minute

Pipe reciprocated during Pumping: Yes ____ No ____
Pipe reciprocated after plug down: Yes ____ min., No ____

Equipment Data
Type centralizers VCD 1.5"SO
Logging speed 1800 FPH
API Serial No. --
S.O. No. 74326

SQUEEZE JOB DETAIL

Squeeze number	2
Date	11-20-72
Depth interval	5200
Type cement	
Volume of cement	
Additive	
Retarder	
Weight of slurry	
Preceding fluid	
Breakdown pressure	
Max. pressure-stage 1	
" " " 2	
" " " 3	
Final maximum pressure	
Started pumping cement	
Released pressure	
Start CQL	
Finish CQL	

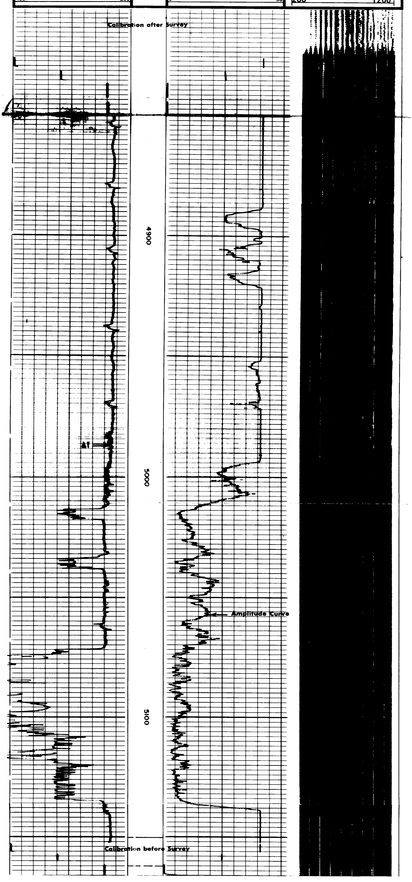
AVERAGE WELL DRIFT: ° from ____ to ____ ; ° from ____ to ____ ; ° from ____ to ____

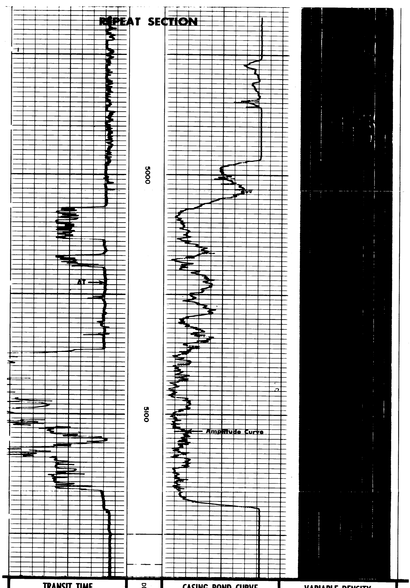
EQUIPMENT DATA

SLP-	JB 449
CEP-	--
GNP-	--
POP-	--
CRP-	A 34
SLC-	--
SLS-	D 316
MEMORIZER	MMP-B 324

Centralizer Depths	Scratcher Depths

REMARKS





TRANSIT TIME	DEPTHS	CASING BOND CURVE	VARIABLE DENSITY
MICROSECONDS 3" SPACING 400 200		MILLIVOLTS 0 50	MICROSECONDS 3" SPACING 200 1200

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WELL JUDY FEDERAL NO. 1
FIELD ESCRITO-GALLU?
COUNTY RIO ARRIBA STATE NEW MEXICO

SCHL FR 5150
SCHL TO 5163
DRLR TO 5160
Elev.
KB 7313
DF --
GL 7299.5