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Original # 9/1238

BRONING 40-105 55469

CORNISH

WIRELINE SERVICES, INC.
P.O. DRAWER H
PHONE 431-9308
CHANUTE, KANSAS

CEMENT BOND — VARIABLE DENSITY

FILING NO. _____

COMPANY CARMEL ENERGY, INC.
WELL IDA FAUVERGUE NO. IF-45
FIELD
COUNTY VERNON STATE MISSOURI

RELEASED

LOCATION 1464.5' FSL 669.0' FWL
Sec. 34 Twp 36N Rge 33W

OTHER SERVICES

Permanent Datum G.L. Elev. 770.4'
Log Measured from G.L. Ft. Above Perm. Datum
Drilling Measured from G.L.

Elev. K.B. _____ D.F. _____ G.L. 770.4'

Date	10-22-82	Type Fluid in Hole	WATER
Run No.	1 NW	Dens. / Visc.	
Depth—Driller	203.3'	Max Rec Temp	
Depth—Logger	197.3'	Est Cement Top	
Btm Log Interval	2'	Equip. / Location	
Top Log Interval		Recorded By	UDEN, D.
Open Hole Size		Witnessed By	YOUNG, V.

CASING REC	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prot String						
Prod. String	4½"				0	T.D.
Liner						

PRIMARY CEMENTING DATA

STRING	Surface	Protection	Production	Liner
Vol. of cement				
Type of cement				
Additive				
Additive by %				
Retarder				
Retarder by %				
Wt. of slurry				
Water loss				
Drill. mud type				
Drilling mud wt				

RECEIVED
OCT 27 1982
MO. OIL & GAS COUNCIL

FOLD HERE

COMPRESSIVE STRENGTH (p.s.i.) Curing Temp.

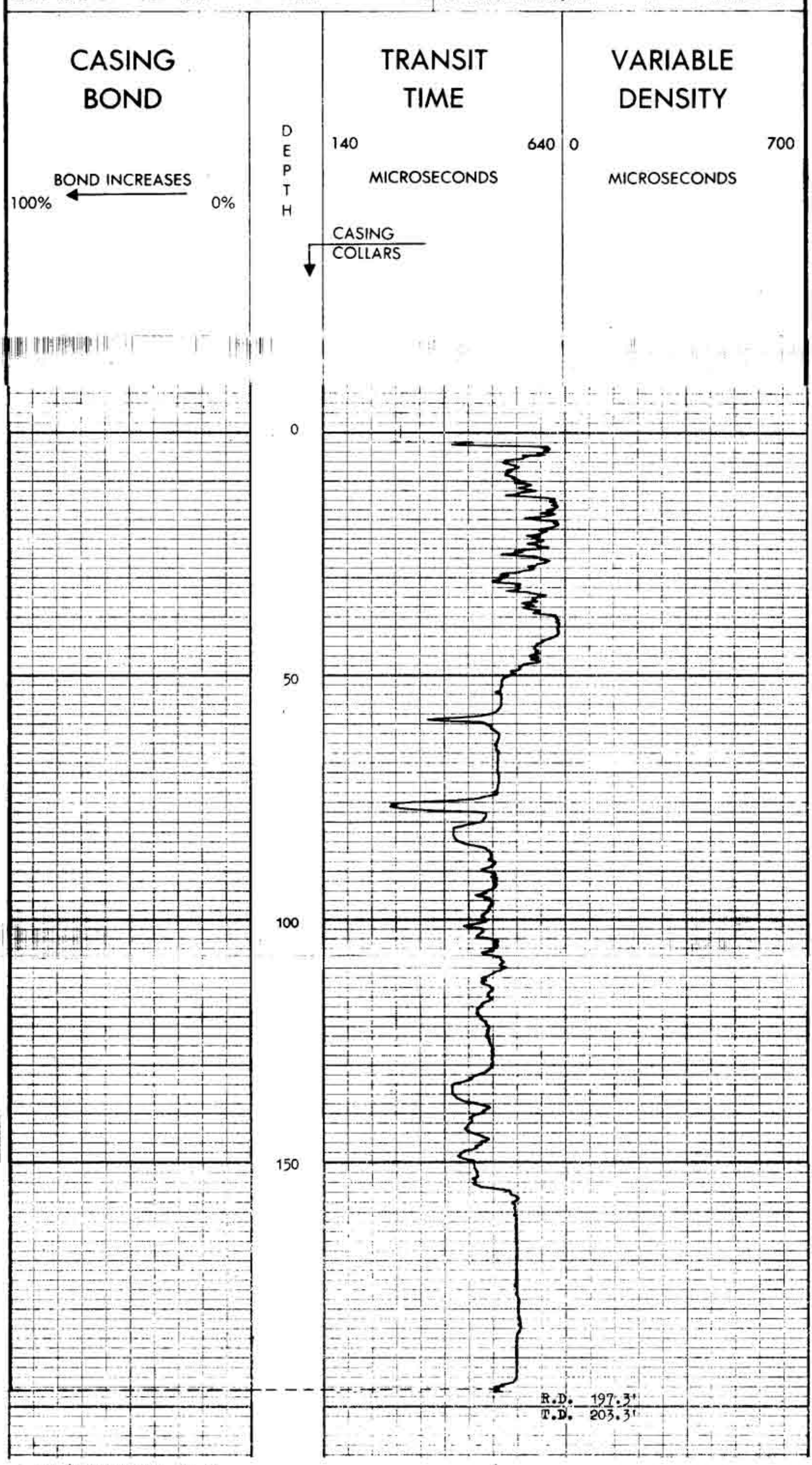
Time Elapsed	Surface		Protective		Production		Liner	
24 hrs		°F		°F		°F		°F
48 hrs		°F		°F		°F		°F
72 hrs		°F		°F		°F		°F

PRIMARY CEMENTING PROCEDURE

	Hour date	Hours from start of operation
Started pumping cement		
Plug on bottom		
Release pressure		
Start Cement Bond Log		
Finish Cement Bond Log		

Equipment Data
Type standoff
Logging speed
Bias Max
Cartridge No.
Spacing

Preceding fluid _____ volume _____ bbls. Pipe reciprocated during Pumping Yes _____ No _____
Returns Full _____ Partial _____ None _____ Pipe reciprocated after plug down Yes _____ min. No _____



IDA FAUVERGUE NO. IF-45

CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

OCTOBER 22, 1982

Bond Log