G01647

CORNISH

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

CEMENT BOND — VARIABLE DENSITY

FILING NO. ____

COMPANY	CARMEL ENERGY
WELL	IF-W-SWD-1
FIELD	
COUNTY	VERNON
STATE	MISSOURI
LOCATION	512' FSL 200' FWL
Sec.	3
Twp.	35N
Rge.	33W
OTHER SERVICES	GR-N-P: 11-8-82

Permanent Datum	G.L.	Elev.	789.7'
Log Measured from	G.L.	Ft. Above Perm. Datum	
Drilling Measured From	G.L.		
Elev. K.B.		D.F.	
G.L.	789.7'		

Date	11-8-82	Type Fluid in Hole	WATER
Run No.	1 NW	Dens. / Visc.	
Depth—Driller		Max. Rec. Temp.	
Depth—Logger	211.4'	Est. Cement Top	
Btm. Log Interval	205.4'	Equip. / Location	
Top Log Interval	7'	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.				

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COMPRESSIVE STRENGTH p.s.i. Curing Temp.

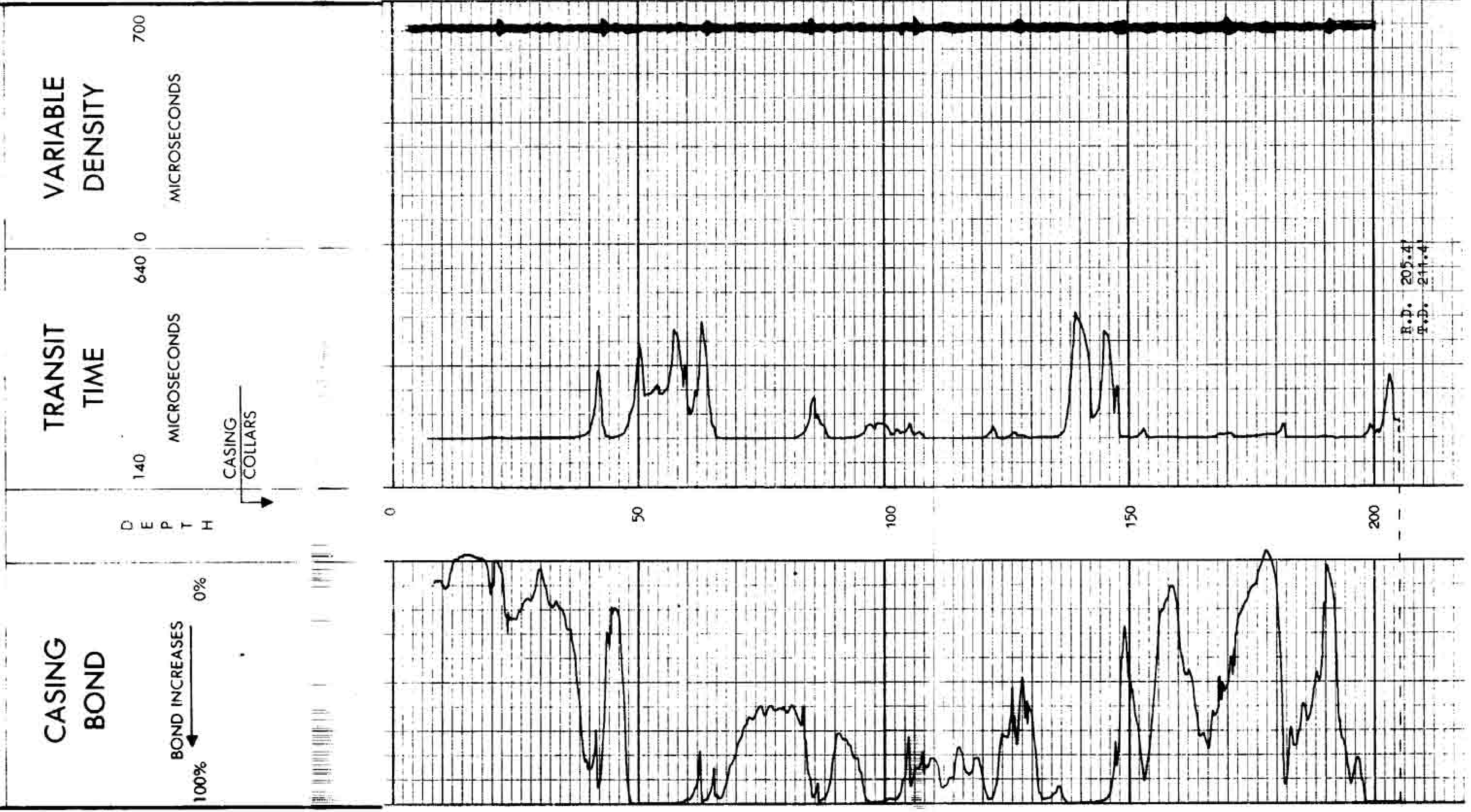
Time Elapsed	Surface	Protective	Production	Liner
24 hrs.	°F	°F	°F	°F
48 hrs.	°F	°F	°F	°F
72 hrs.	°F	°F	°F	°F

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; Returns; Pipe reciprocated during Pumping Yes No; Pipe reciprocated after plug down Yes No



IF-W-SWD-1
CARMEL ENERGY
VERNON COUNTY, MISSOURI
NOVEMBER 8, 1982
BOND LOG

BRUNING 40-105 55469