602374 OSC#21778

RELEASED

CORNISH

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

CEMENT BOND — VARIABLE DENSITY

RECEIVED
MAR 28 1985
MO. OIL & GAS COUNCIL

FILING NO. _____

COMPANY CARMEL ENERGY, INC.
WELL DISSH NO. ES-N10T
FIELD Salty
COUNTY VERNON STATE MISSOURI

LOCATION 2559.13' E TO E/L
2396.05' S TO S/L
85.32' W TO L.L.
Sec. 33 Twp. 35N Rge 33W

OTHER SERVICES: 3-25-85: GR/N

Permanent Datum: G.L. Elev. 791.7'
Log Measured from G.L. Ft. Above Perm. Datum
Drilling Measured From G.L.

Elev.: K.B. ____ D.F. ____ G.L. 791.7'

Date	3-25-85	Type Fluid in Hole	WATER
Run No.	1 NW	Dens. / Visc.	
Depth—Driller		Max. Rec. Temp.	
Depth—Logger	161.6'	Est. Cement Top	
Btm. Log Interval	155.8'	Equip. / Location	105 C
Top Log Interval	6.0'	Recorded By	LYNCH, L.
Open Hole Size		Witnessed By	STUESSE, G.

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.				

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

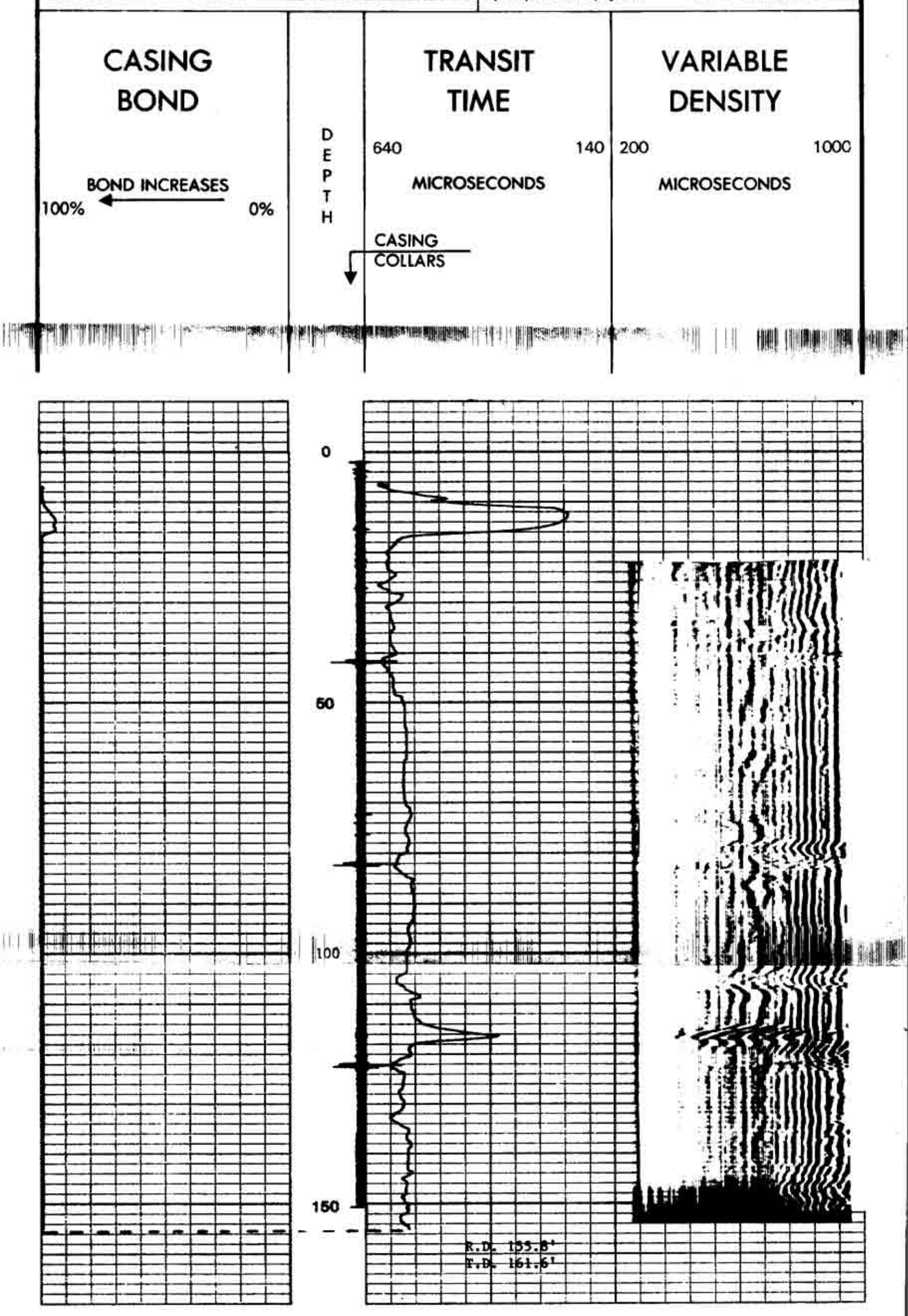
PRIMARY CEMENTING PROCEDURE

	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.
Returns: Full _____ Partial _____ None _____

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



DISSH NO. ES-N10T

CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

MARCH 25, 1985 33/35N/33W

BOND LOG WITH MSG