G01382 OGC#21762 RELEASED until 4-2-85

CORNISH

WIRELINE SERVICES, INC.
P.O. DRAWER H
CHANUTE, KANSAS

PHONE 431-9308

CEMENT BOND — VARIABLE DENSITY

FILING NO. _____

COMPANY CARMEL ENERGY, INC. RECEIVED

WELL DISSH NO. IF-N10U APR 05 1985

FIELD Ada Fauvergue MO. OIL & GAS COUNCIL

COUNTY VERNON STATE MISSOURI

LOCATION 2590.92' FWL, 2633.79' FSL

Sec. 33 Twp. 35N Rge. 33W

OTHER SERVICES: MSG, GR/N: 4-2-85

Permanent Datum: GROUND LEVEL, Elev. 783.1'

Log Measured from G.L. Ft. Above Perm. Datum

Drilling Measured From G.L.

Elev.: K.B. _____ D.F. _____ G.L. 783.1'

Date	4-2-85	Type Fluid in Hole		WATER/FULL	
Run No.	1 NW	Dens.	Visc.		
Depth—Driller		Max. Rec. Temp.			
Depth—Logger	132.0'	Est. Cement Top			
Btm. Log Interval	126.2'	Equip.	Location	105	C., KS.
Top Log Interval	8.0'	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	4-1/2"				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.

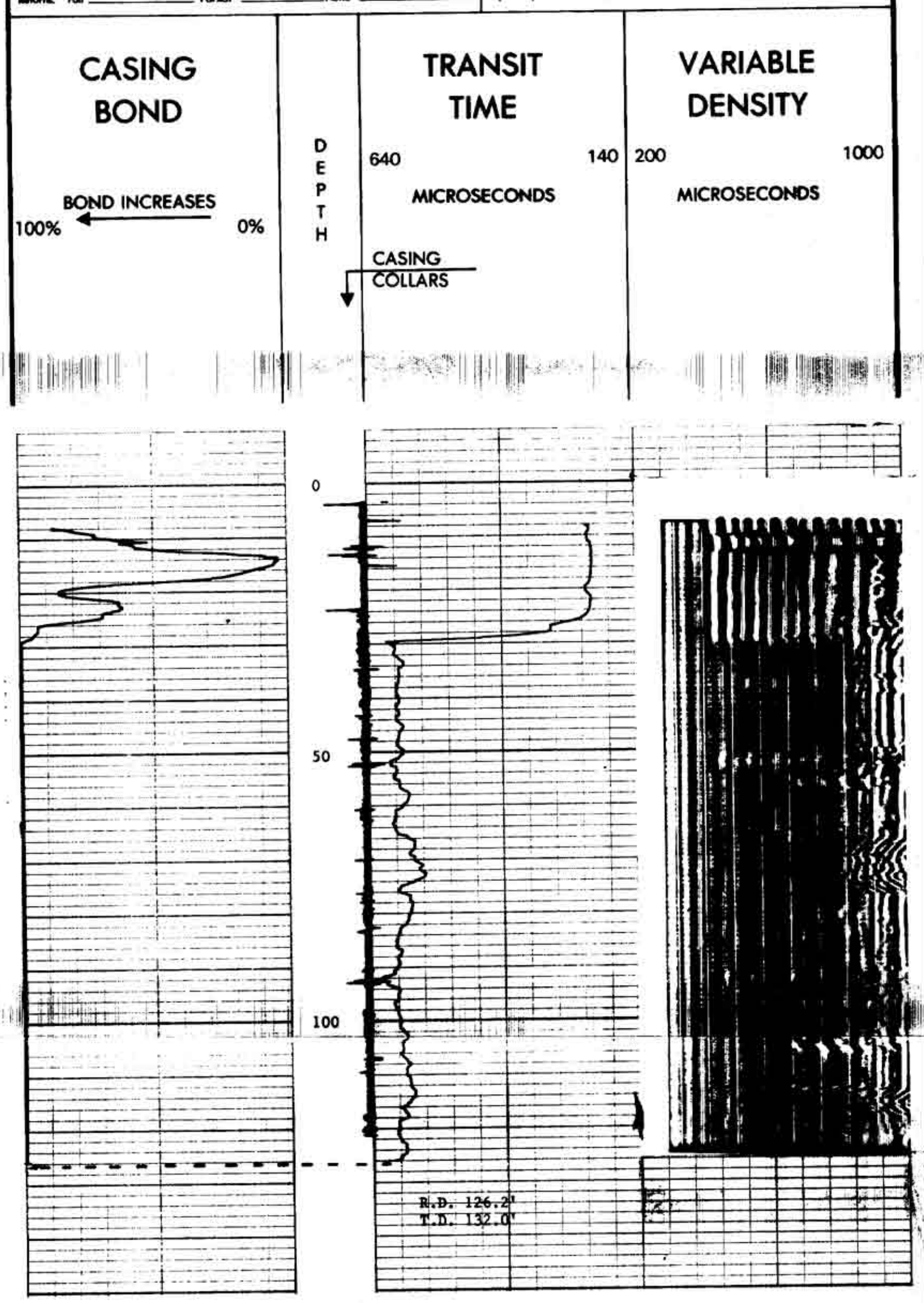
Spacing

Preceding fluid _____ Volume _____ bbls.

Returns: Full _____ Partial _____ None _____

Pipe reciprocated during Pumping: Yes _____ No _____

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



DISSH NO. IF-N10U

CARMEL ENERGY, INC.

VERNON COUNTY, MISSOURI

APRIL 2, 1985

BOND/MSG

33/35N/33W