60 3/4 49
OGC # 20503

MIDWEST SURVEYS
WIRELINE PERFORATING · CASING INSPECTION
P. O. Box 328 · Paola, KS 66071
913/294-4306

CEMENT BOND LOG

COMPANY WESTERN ENGINEERING, INC.

RECEIVED
JAN 25 1988
MO Oil & Gas Council
Economic Geology

WELL NO. 1-41
FIELD BELTON UNIT
COUNTY CASS STATE MISSOURI

Location 440' FSL & 440' FEL
Sec 9 Twp. 46S Rge 33W

Other Services
CCL

COUNTY
FIELD
LOCATION
WELL
COMPANY

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

Date	9-12-87	Type Drill Fluid	NA
Run No.	1 SW	Fluid in hole	WATER (dens. NA)
Depth-Driller	NA	Max. Rec. Temp	NA
Depth-Logger	678.0	Est. Cement Top	NA
Btm. Log Interval	671.0	Equip. Location	10/OSAWATOMIE
Top Log Interval	20.0	Recorded By	D. WIMSLOW
Open Hole Size	NA	Witnessed By	D. STALLINGS

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prod. String	2 7/8"	6.5			0.0	7.0
Liner						

PRIMARY CEMENTING DATA

STRING				
Vol of Cement	2 7/8"			
Type of Cement	NA			
Additive	NA			
Retarder	NA			
Wt of Slurry	NA			
Water Loss	NA			
Type of Fluid in Csg.	FW			
Fluid Wt.	NA			

Top and Bottom Perforations: 20.0 to 7.0 Perforations: 4 SHOT PER FOOT

PRIMARY CEMENTING PROCEDURE

Hole	Date	Hours from Start of Operation
		NA
		NA
		NA

Casing Reciprocated
Equipment Pressure
Pump Used
Fluids Used
Displacing Fluid
Volume

Pipe reciprocated during pumping yes
Hole reciprocated during pumping no

EQUIPMENT DATA

Tool Type & No.	BHC 1000-C
Tool Serial No.	1000-C
Depth Gauge	50 PSI
Pump Type	R-11
Pump Spm	4-11
Deep Spring	2-15
Centralizers	4SS Type SS
Pipe Size	2 7/8" Weight 6.5
Tension Line	NA Wire Line NA

TOOL SKETCH

SQUEEZE JOB DETAIL

	1	2	3	4
Squeeze No.				
Depth				
Cmnt. Interval				
Sacks of Cement				
Volume of Cement				
Additive				
Retarder				
Weight of Slurry				
Displacing Fluid				
Maximum Pressure				
Min. Pressure Stage 1				
Max. Pressure Stage 2				
Min. Pressure Stage 2				
Final Maximum Pressure				
Squeeze Pumping Cement				
Squeeze Pumping Displacement				
Start Log				
Stop Log				
AVERAGE WELL DEPTH				

Depth From To
REMARKS: SEND FINAL CALCULATIONS TO WESTERN, P.O. BOX 1000

SERVICE ORDER # 20503

DM0-01