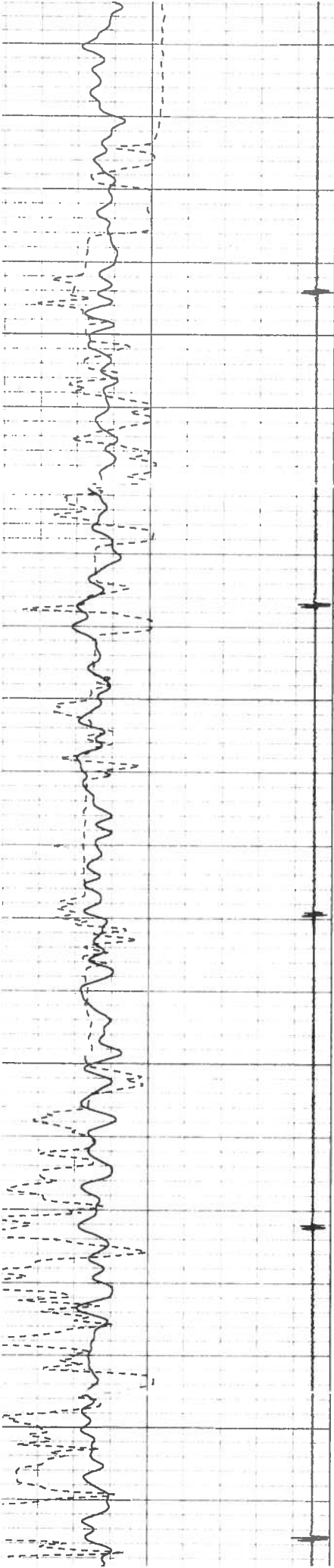




**SUPERIOR**  
STERLING, CO.  
UNIT # 3312

# GAMMA RAY C.C.L. CEMENT BOND V.D.L.

ST. JAMES ENERGY OPERATING, INC. LARSON FARMS 01-24 WATTENBERG WELD COLORADO	Company	ST. JAMES ENERGY OPERATING, INC.					
	Well	LARSON FARMS 01-24					
	Field	WATTENBERG					
	County	WELD					
State	Country	USA					
Location:		API #: 05-123-34359				Other Services	
		SW NE					
		SHL: 1434' FNL & 1898' FEL					
		BHL: 650' FNL & 662' FEL					
		SEC 24 TWP 6N RGE 64W					
Permanent Datum	Ground Level	Elevation		4645		Elevation	
Log Measured From	K.B.				K.B. 4659		
Drilling Measured From	K.B.				D.F. 4658		
						G.L. 4645	
Date	4-4-12						
Run Number	ONE						
Depth Driller	7160						
Depth Logger	7110						
Bottom Logged Interval	7108						
Top Log Interval	SURFACE						
Open Hole Size	7 7/8						
Type Fluid	water						
Density / Viscosity							
Max. Recorded Temp	240 Deg. Fer.						
Estimated Cement Top							
Time Well Ready							
Time Logger on Bottom							
Equipment Number	3312 Tec 1						
Location	45						
Recorded By	ADAM FRANK						
Witnessed By	MR KENT MOORE						
Run Number	Borehole Record		To		Size	Tubing Record	
	Bit	From			Weight	From	To
Casing Record	Size		Wgt/Ft		Top		Bottom
Surface String							
Prot. String							
Production String	4.5				surface		T. D.
Liner							

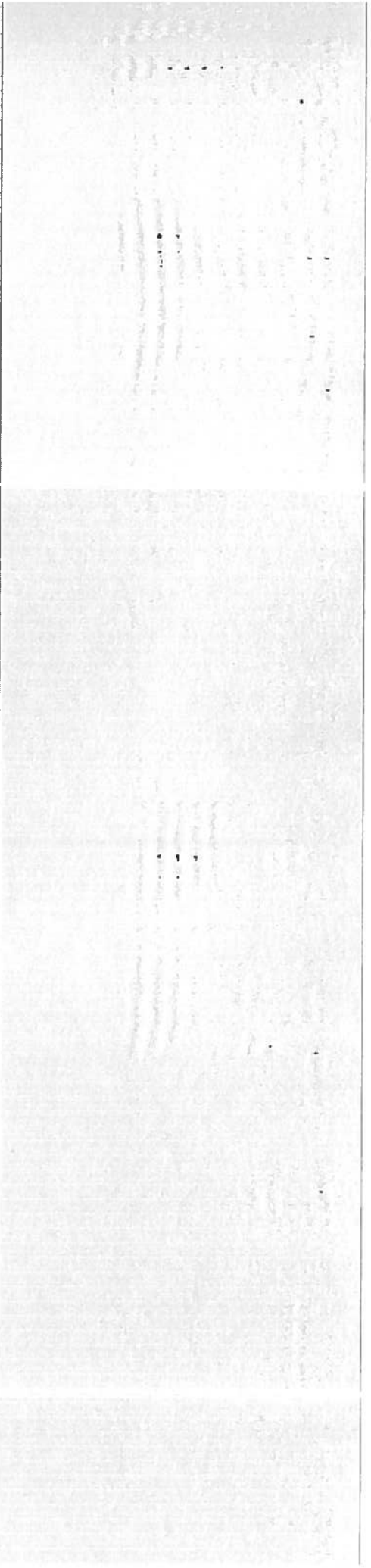
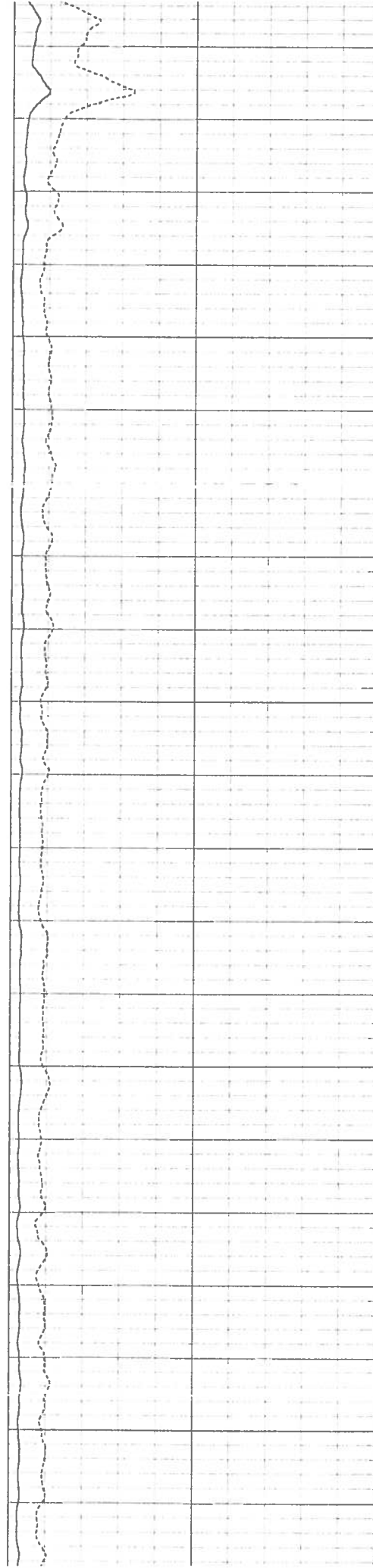


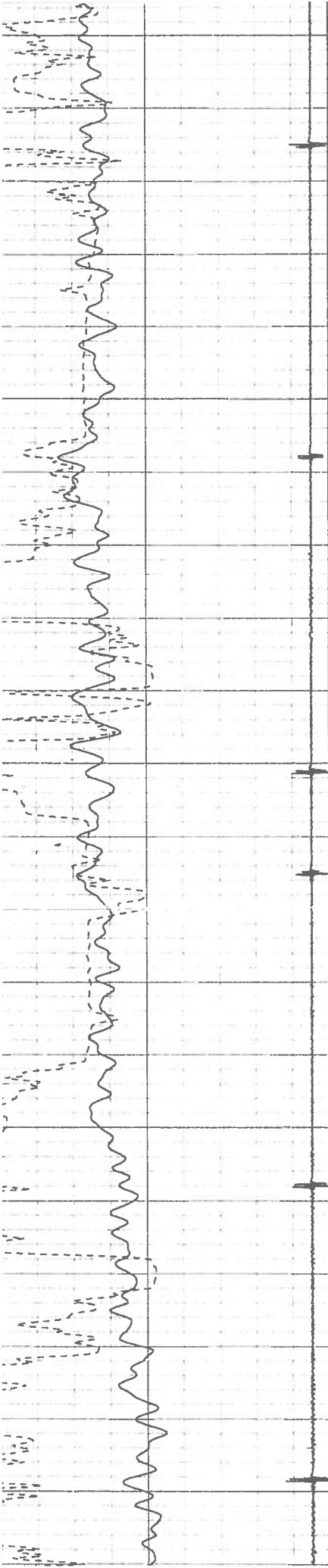
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6300

6350

6400





6400

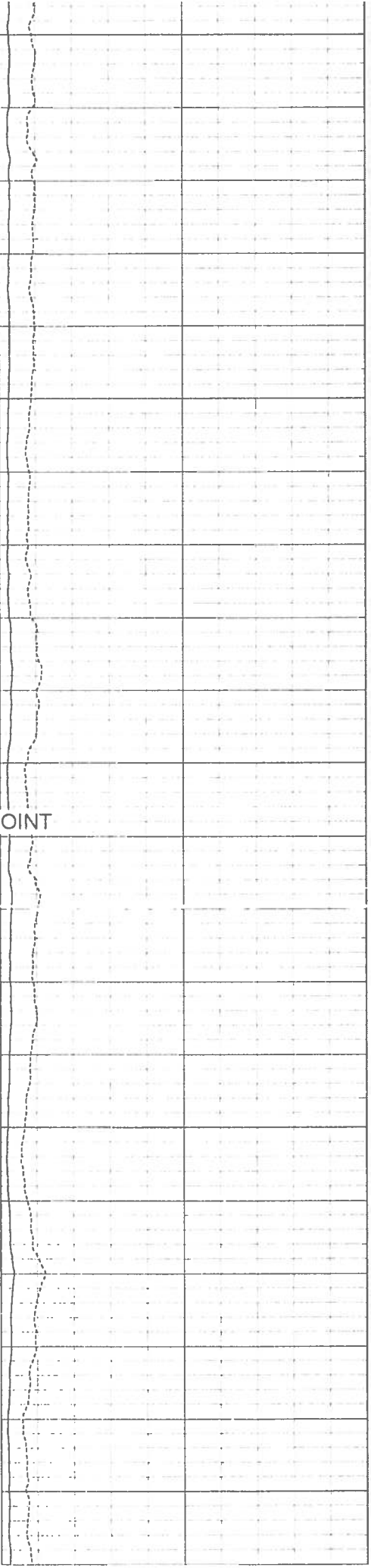
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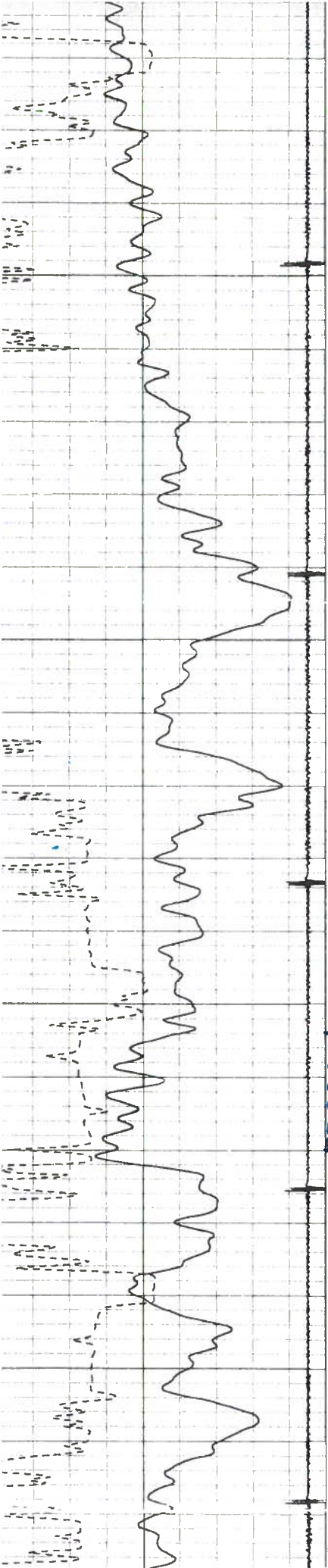
6500

← FLAG JOINT

6550

6600





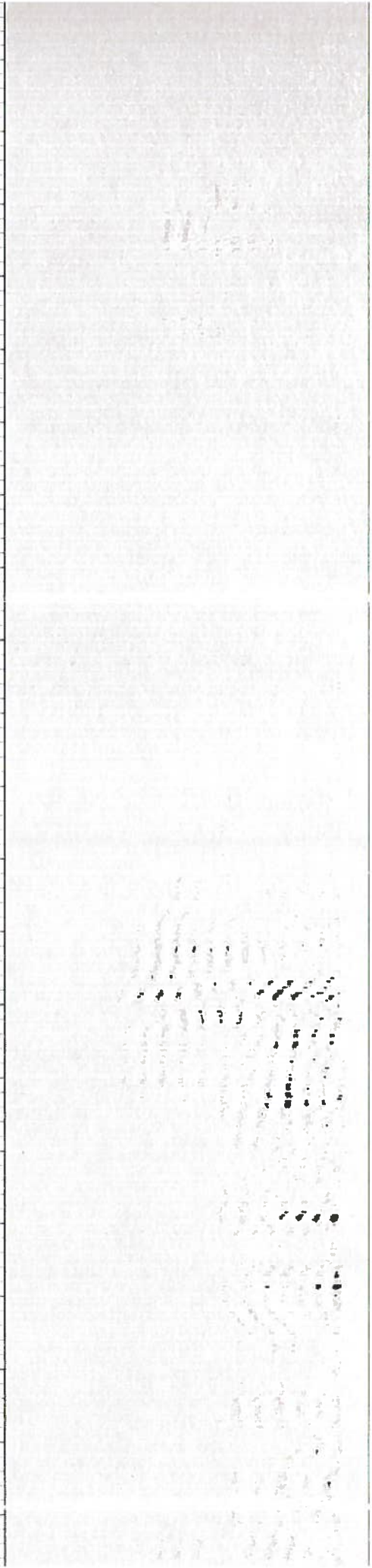
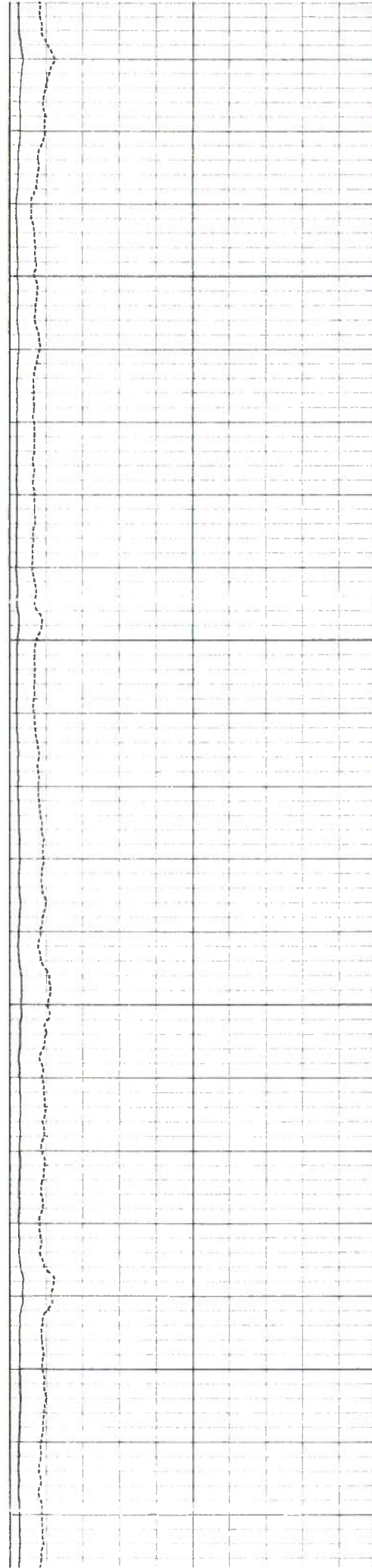
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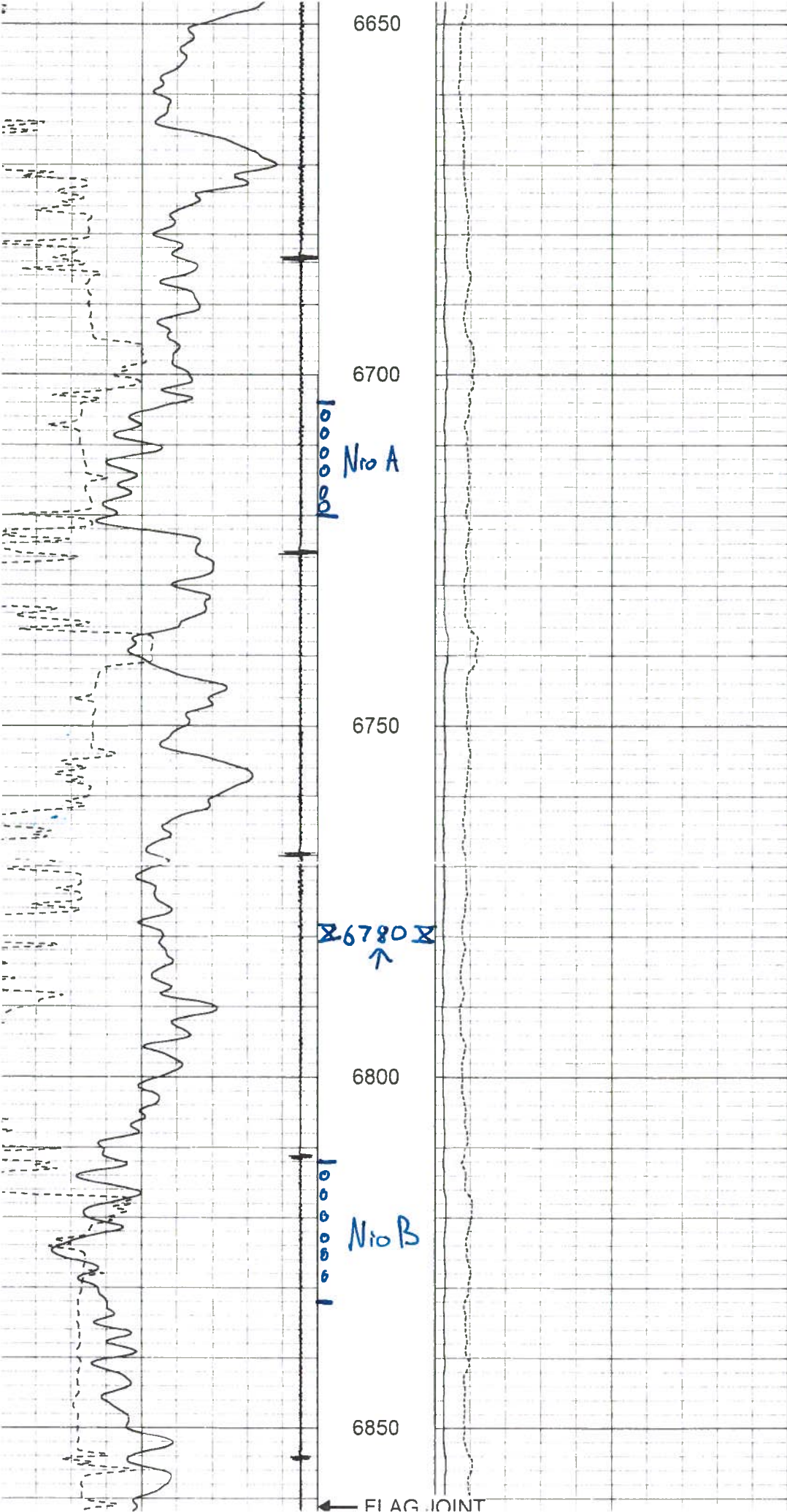
6700

6750

100000  
No A







6650

6700

No A

6750

X6780X  
↑

6800

No B

6850

FLAG JOINT

← FLAG JOINT

6900

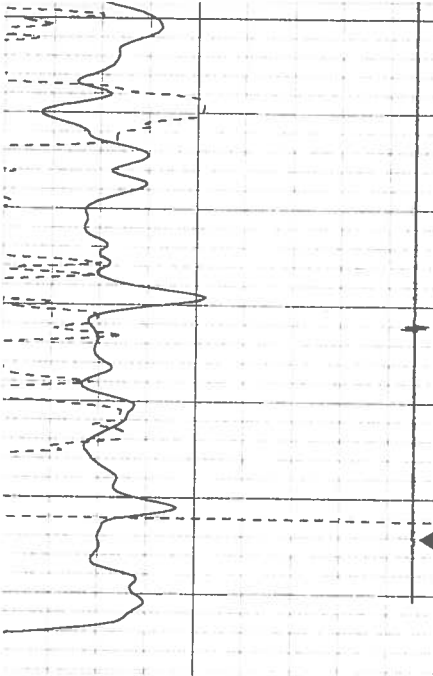
Σ 6930 Σ  
↑

6950

100000  
Cell  
7000

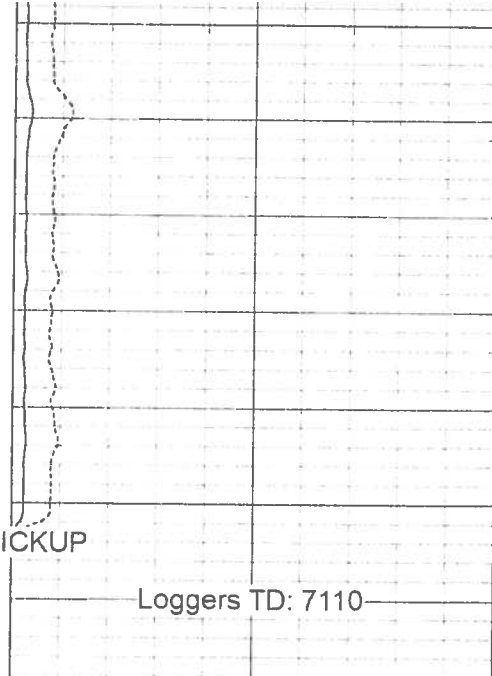
7050





7050

7100  
TOOL PICKUP



Loggers TD: 7110

TRAVEL TIME (usec)	100
Collar Locator	-1.5
Gamma Ray (GAPI)	200

0	AMP AMPLITUDE (mV)	30	200
0	AMPLITUDE (mV)	100	

VDL 1200