Dresser Atlas

DRESSER

Combination Logging Systems

Compensated Densilog
Compensated Neutron

FILE NO.

COMPANY E.G. & G. IDAHO, INCORPORATED

WELL RRGP-4

FIELD RAFT RIVER GEOTHERMAL

COUNTY CASSIA STATE IDAHO

LOCATION:

Other Services
DIFL, CDL,
4-ARM CAL,
BHC/AL,
DIFF. TEMP.

SEC 23 TWP 15S RGE 26E

Permanent Datum GL Elev. 4840

Log Measured from KB 16 Ft. Above Permanent Datum

Drilling Measured from KB

Elevations:
KB 4856
DF ---
GL 4840

Date	9-28-78			
Run No.	ONE			
Service Order	94282			
Depth—Driller	3470			
Depth—Logger	3458			
Bottom Logged Interval	3456			
Top Logged Interval	1820			
Casing—Driller	13 3/8@ 1820	@	@	@
Casing—Logger	1836			
Bit Size	12 1/4			
Type Fluid in Hole	WATER			
Density and Viscosity	--- ---			
pH and Fluid Loss	--- ---cc	cc	cc	cc
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	1.61@ 145°F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	---@ ---°F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	---@ ---°F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	--- ---			
Rm @ BHT	0.94@ 248°F	@ °F	@ °F	@ °F
Time Since Circ.	14 HOURS			
Max. Rec. Temp. Deg. F.	248 °F	°F	°F	°F
Equip. No. and Location	6110 R.S.			
Recorded By	BOS-FERRY			
Witnessed By	GOLDMAN			

FOLD HERE

Remarks

EQUIPMENT DATA

	RUN NO. 1			RUN NO. 2			RUN NO. 3		
	CDL	CNLog	GR	CDL	CNLog	GR	CDL	CNLog	GR
Series No	2207	2413	1306						
Serial No	29161	30661	31986						
Diameter	4 3/4	3 5/8	3 5/8						
Elec. No.	29161	30661	31986						
Detect: Model No.	D6G4	DGN3	D6G4						
Type	SCINT	HE3	SCINT						
Dist. to Source			9'						
Source Model No.	S3T30	S17S20							
Serial No.	422	30945							
Computer No.	3457	3457	3606						
Serial No	33038	33038	32564						

Logging Data

General				Compensated Densilog				Gamma Ray			
Run No.	Depths From	Depths To	Speed Ft./Min.	T.C. Sec.	Density Scale	Correction Scale	Porosity Scale Data	T.C. Sec.	Sens. Settings	Zero Div. L or R	API G.R. Units/Div.
1	3458	1820	REC	CCTC	1-2 BU 2-3 MAIN	-.5 +.5	0-30%	CCTC	541	0	15

General				Compensated Neutron							Caliper
Run No.	Depths From	Depths To	Speed Ft./Min.	T.C. SS	T.C. LS	Sens. SS	Sens. LS	Porosity Zero	Porosity Units/Div.	Porosity Scale	Scale
1	3458	1820	REC	CCTC	CCTC	131	127	0	2	0-30	6-16"

GAMMA RAY	DEPTH	DENSITY – POROSITY %
API UNITS 0 150		ρma 2.68 ρf 1.00 30 20 10 0
CALIPER		NEUTRON POROSITY %
HOLE SIZE-INCHES 6 16		SANDSTONE MATRIX 30 20 10 0 50 40 30 TENSION ← LBS. 500/CD

HOLE SIZE-INCHES 6 16		TENSION ← LBS. 500/CD 30 20 10 0 50 40 30
CALIPER		SANDSTONE MATRIX NEUTRON POROSITY %
API UNITS 0 150		30 20 10 0 50 40 30
GAMMA RAY	DEPTH	ρma 2.68 ρf 1.00 DENSITY – POROSITY %

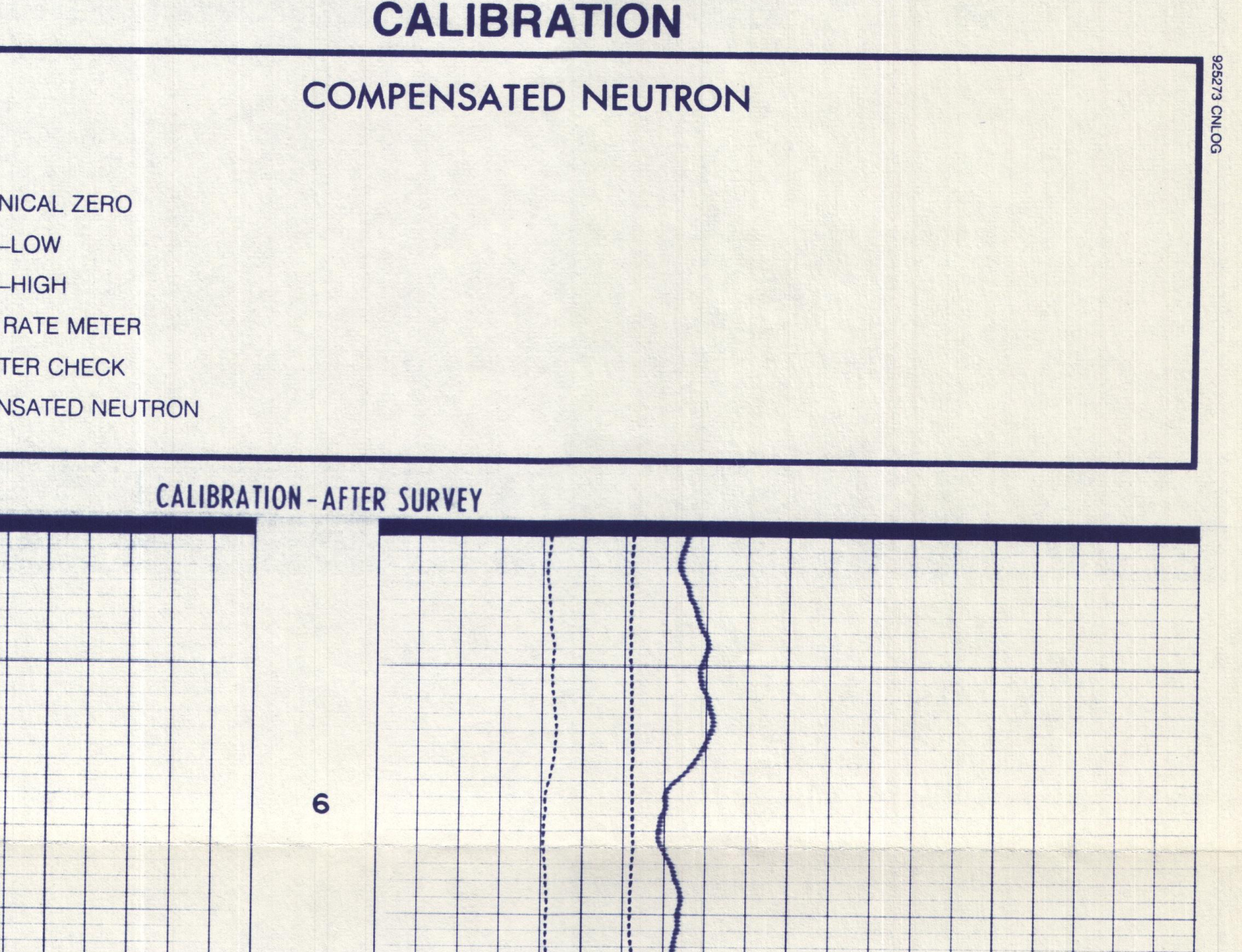
Company	E.G. & G. IDAHO, INCORPORATED	Drillers T.D.	3470
Well	RRGP-4	Log F.R.	3456
Field	RAFT RIVER GEOTHERMAL	Log T.D.	3458
County	CASSIA	Elevations:	
State	IDAHO	K.B. 4856 D.F. ---	G.L. 4840

CALIBRATION

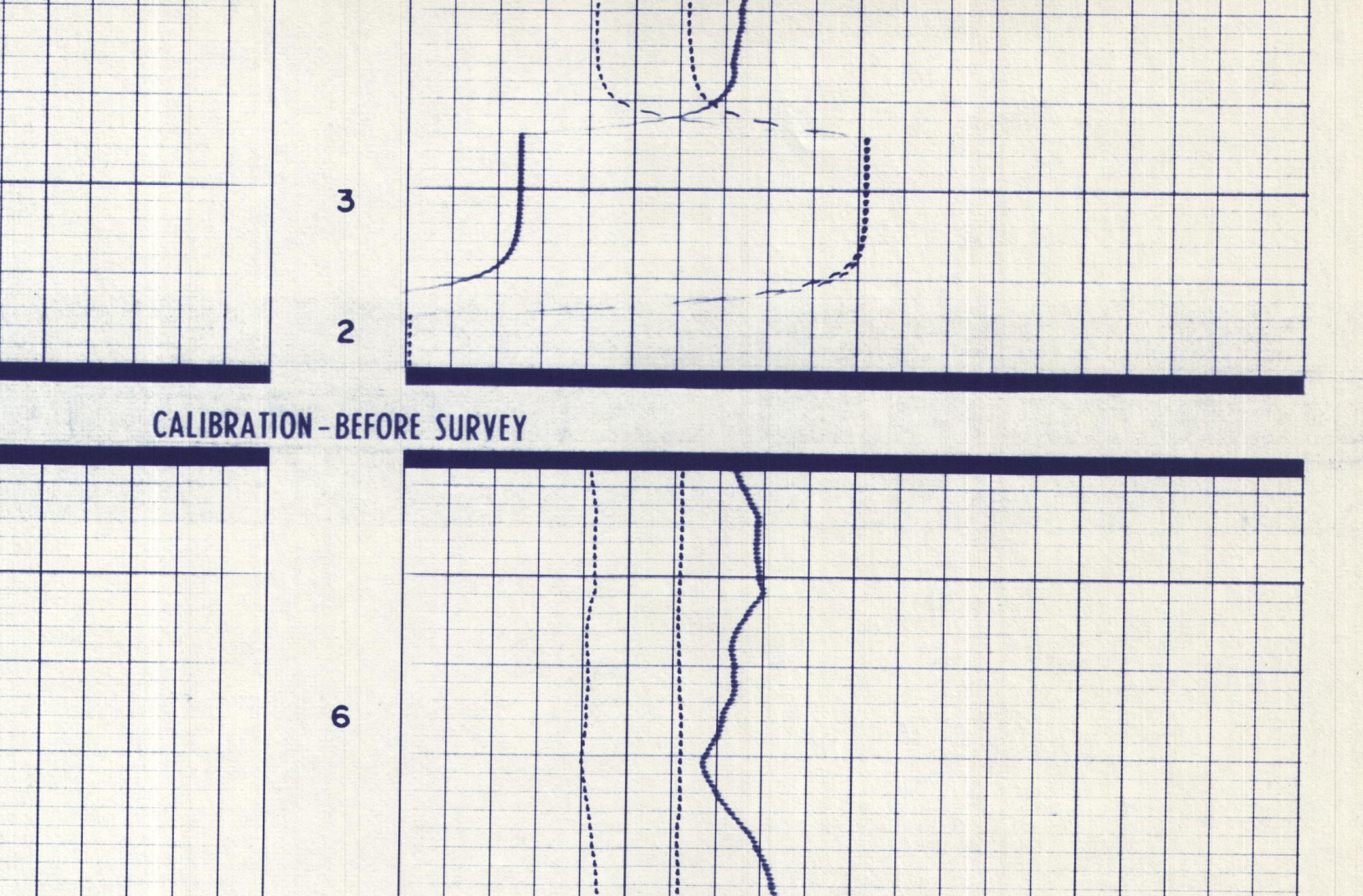
COMPENSATED NEUTRON

1. MECHANICAL ZERO
2. PANEL—LOW
3. PANEL—HIGH
4. COUNT RATE METER
5. COMPUTER CHECK
6. COMPENSATED NEUTRON

CALIBRATION - AFTER SURVEY



CALIBRATION - BEFORE SURVEY



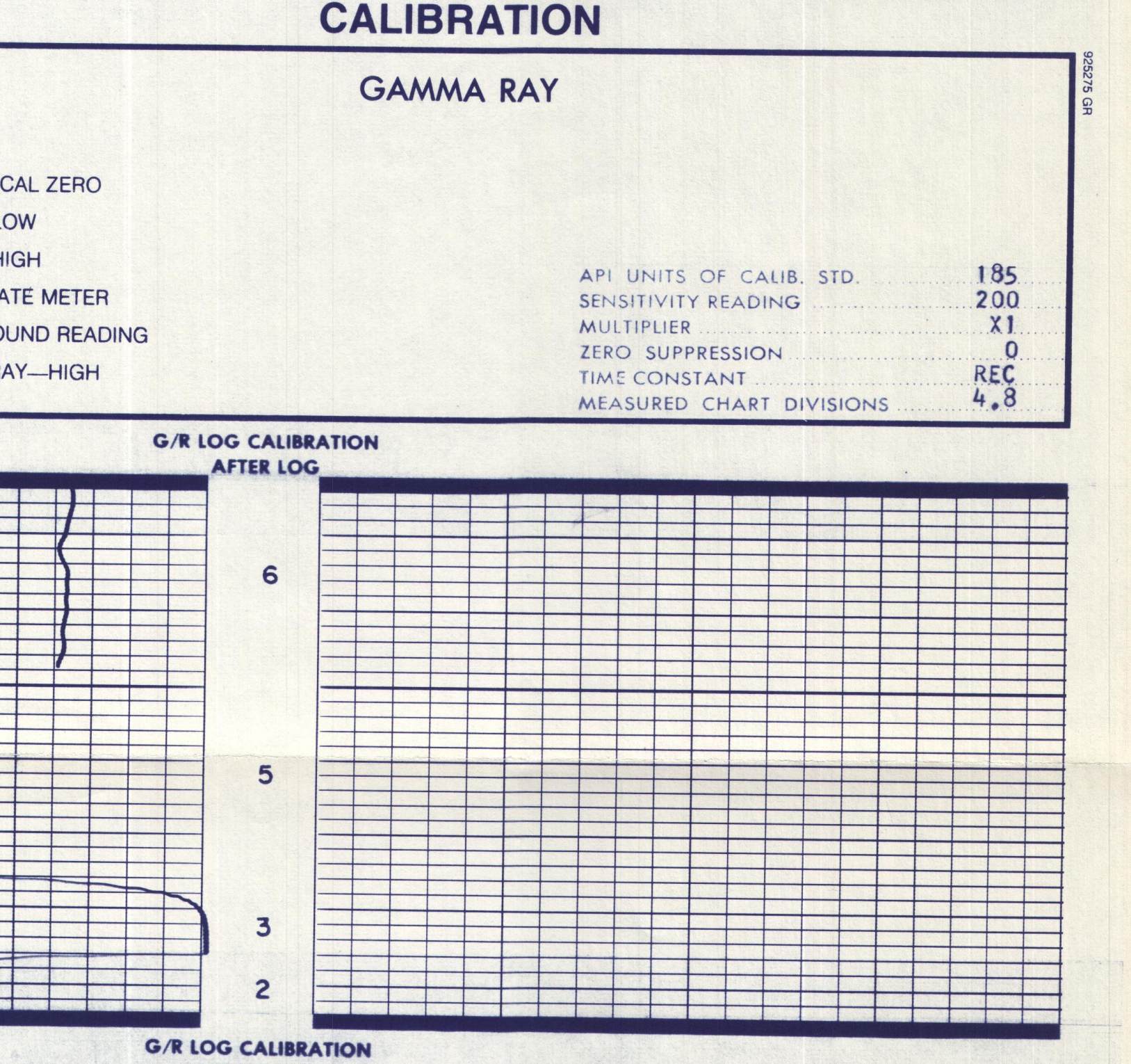
CALIBRATION

GAMMA RAY

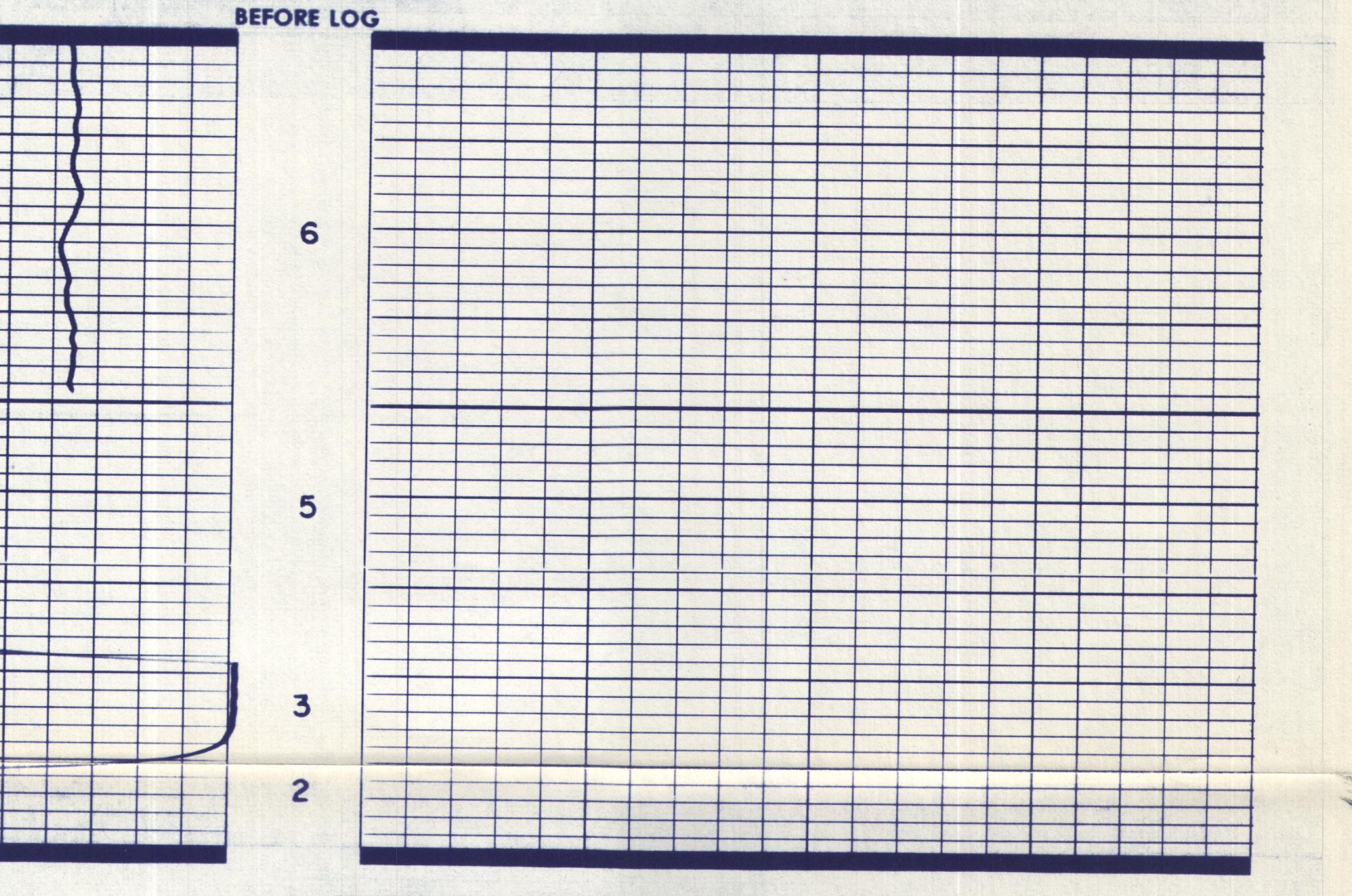
1. MECHANICAL ZERO
2. PANEL—LOW
3. PANEL—HIGH
4. COUNT RATE METER
5. BACKGROUND READING
6. GAMMA RAY—HIGH

API UNITS OF CALIB. STD.	185
SENSITIVITY READING	200
MULTIPLIER	X1
ZERO SUPPRESSION	0
TIME CONSTANT	REC
MEASURED CHART DIVISIONS	4.8

G/R LOG CALIBRATION
AFTER LOG



G/R LOG CALIBRATION
BEFORE LOG



Dresser Atlas
WIRELINE SERVICES
DRESSER
Division of Dresser Industries, Inc.

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