

FILE NO. \_\_\_\_\_  
WELL \_\_\_\_\_  
FIELD \_\_\_\_\_  
COUNTY \_\_\_\_\_ STATE \_\_\_\_\_  
LOCATION: 1900' S. & 330' E. ERDVI  
HDL N.W. CORNER (Q)  
SEC. 13 TWP. 6N RGE. 4W  
Elev. 1133' KB 1173'  
Log Measured From N/A  
Drilling Measured Form N/A  
Date 8-22-88  
Run No. 001  
Source Order 13010  
Depth - Logger 1443'  
Bottom Logged Interval 1443'  
Top Logged Interval 1301'  
Casing-Logger 1301' or 1335'  
Bit Size 8 1/2"  
Type Fluid in Hole GIL/WATER  
Density and Viscosity 10.0 41  
Source of Sample TROMBAY  
Run @ Mass Temp. 110  
Run @ Mass Temp. 110  
Source of Iron and Zinc NI  
Time Since Circ 3 HRS.  
Max. Htg. Temp. DAG F. 100  
Equip. No. and Location 6410 S.W.C.  
Recorded By M. HINDS  
Witnessed By M. DAVIELL & M. JAVILEIN

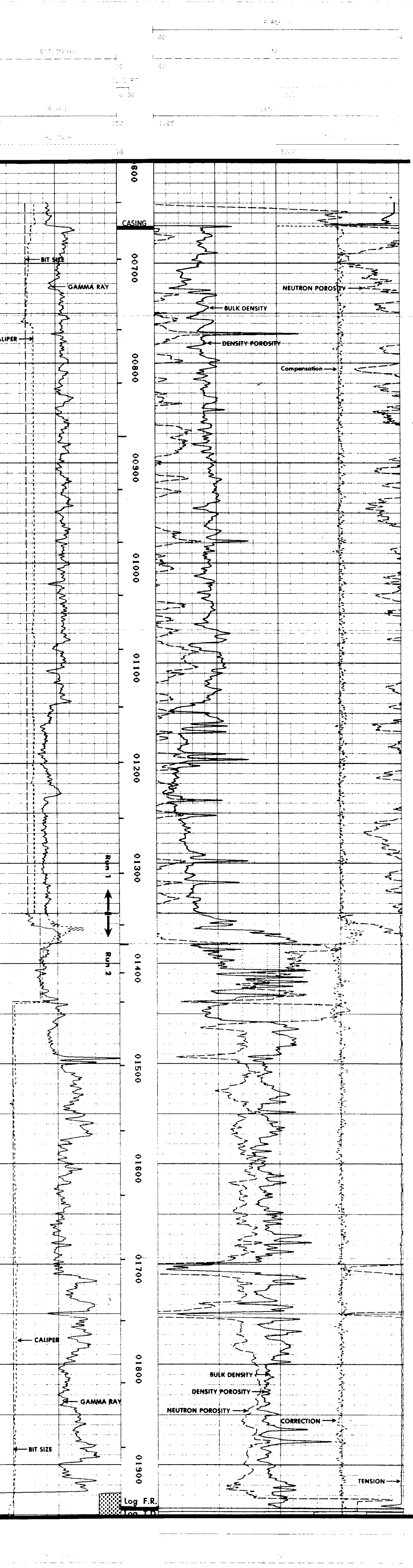
IN MAKING INTERPRETATIONS OF LOGS, OUR EMPLOYEES AND/OR CUSTOMER THE BENEFIT OF THEIR BEST JUDGMENT BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFORMATION FROM ELECTRIC OR OTHER MEASUREMENTS, WE CANNOT AND WE DO NOT WARRANT THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.



Run	Trip	Tool	Serial No.	Series No.	Position
1	1	COL	72541	2212	DE-CENT
1	1	CAL	72541	2212	VAR.
1	1	CN	53264	2435	DE-CENT
1	1	GR	73467	1309	DE-CENT

REMARKS RUN ( 1 )  
VOL. COMPUTED FOR 3.5" CASING

Run	Trip	Tool	Serial No.	Series No.	Position
2	2	COL	72541	2212	DE-CENT
2	2	CAL	72541	2212	VAR.
2	2	CN	53264	2435	DE-CENT
2	2	GR	73467	1309	DE-CENT



LOG NAME OF ASSET NO. 72541 UNIT NO. HL 8406  
ALIBERATION ENTERED ON 08-22-88 AT 08:45:18 CHARGE TOOL SOURCE NUMBER 845

DATE	TIME	OPERATION	TIME
08-22-88	11:48:41	ALIBERATION VERIFICATION	11:48:41
08-22-88	08:02:15	BEFORE LOG VERIFICATION	08:02:15
08-22-88	11:42:13	AFTER LOG VERIFICATION	11:42:13
08-22-88	08:44:01	ALIBERATION	08:44:01
08-22-88	11:42:14	AFTER LOG VERIFICATION	11:42:14
08-22-88	08:32:14	BEFORE LOG VERIFICATION	08:32:14
08-22-88	11:42:13	AFTER LOG VERIFICATION	11:42:13
08-22-88	12:32:32	ALIBERATION	12:32:32
08-22-88	08:30:36	BEFORE LOG VERIFICATION	08:30:36
08-22-88	11:42:08	AFTER LOG VERIFICATION	11:42:08

LOG NAME OF ASSET NO. 73467 UNIT NO. HL 8406  
ALIBERATION ENTERED ON 08-22-88 AT 08:11:22

DATE	TIME	OPERATION	TIME
08-22-88	12:32:32	ALIBERATION	12:32:32
08-22-88	08:30:36	BEFORE LOG VERIFICATION	08:30:36
08-22-88	11:42:08	AFTER LOG VERIFICATION	11:42:08