BEARHART

DUAL INDUCTION
LATEROLOG

COMPANY: S.A.B. DRILLING
WELL: GARRISON NO. 1
FIELD: WILDCAT
COUNTY: BATES
STATE: MISSOURI
OTHER SERVICES: NONE

Permanent Datum: GL	Elevation:		
Log Measured From: KB 10 Ft. Above Perm. Datum			
Drilling Measured From: KB			
API Serial No.			
Date: 7-7-96			
Run Number: ONE			
Depth-Driller: 1750			
Depth-Logger: 1748			
Bottom Log Interval: 1746			
Top Log Interval: SURFACE			
Casing-Driller: 8 5/8 @ 22 Ft.			
Casing-Logger:			
Bit Size: 7 7/8			
Type Fluid in Hole: GEL CHEM			
Dens.:	Visc.:		
pH: 9.5	Fluid Loss: 5.6		
Source of Sample: FLOWLINE			
Rm @ Meas. Temp.: .85 @ 75			
Rmf @ Meas. Temp.: .75 @ 75			
Rmc @ Meas. Temp.: .95 @ 75			
Source: Rmf: MEASURED	Rmc: CALCULATED		
Rm @ BHT: .45 @ 107			
Rmf @ BHT: .35 @ 107			
Rmc @ BHT: .55 @ 107			
Max. Rec. Temp.: 107			
Equipment: 5 MILES SOUTH OF BUTLER			
Recorded By: R. HAYES			
Witnessed By: MR. BOB CHOATE			

Run Number	Bit Size	Casing Driller	Casing Logger	Depth Driller	Depth Logger	Top Log Interval	Bottom Log Interval	Type Fluid in Hole	Dens.	Visc.	pH	Fluid Loss	Source of Sample	Rm @ Meas. Temp.	Rmf @ Meas. Temp.	Rmc @ Meas. Temp.	Source Rmf	Source Rmc	Rm @ BHT	Rmf @ BHT	Rmc @ BHT	Circ. Stopped	Logger On Bottom	Max. Rec. Temp.	Equipment	Recorded By
ONE	7 7/8	8 5/8 @ 22		1750	1748	SURFACE	1746	GEL CHEM			9.5	5.6	FLOWLINE	.85 @ 75	.75 @ 75	.95 @ 75	MEASURED	CALCULATED	.45 @ 107	.35 @ 107	.55 @ 107			107	5 MILES SOUTH OF BUTLER	R. HAYES

Field Office: _____

Changes in Mud Type or Additional Sample																							
Date	Sample No.																						
Time	Depth																						
Type Fluid in Hole																							
Date	Time																						
Left Hole	Left Hole																						
Source of Sample																							
Rm @ Meas. Temp.																							
Rmf @ Meas. Temp.																							
Rmc @ Meas. Temp.																							
Rm @ BHT																							
Rmf @ BHT																							
Rmc @ BHT																							

Time Logger Started: _____ Time Logger Finished: _____

Run	Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA

	DUAL INDUCTION				GAMMA RAY		
Run	Run No.	Type Recorder	Recorder Position	S.O.	Gain Setting No.	Gain Type	Type Position
ONE	5334	DIFL	Front	Free	n/a	n/a	n/a

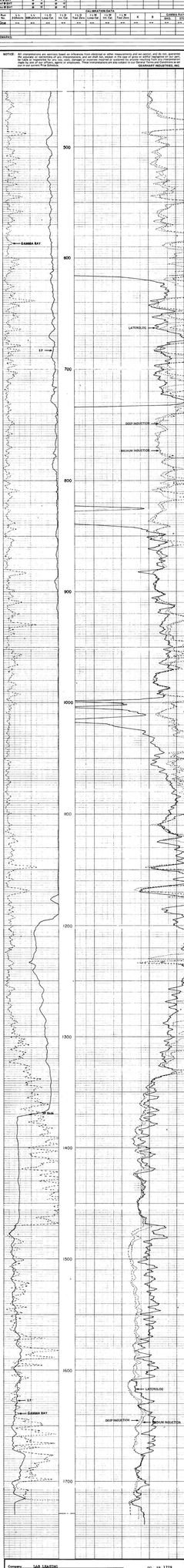
CALIBRATION DATA

Run	5.5 Inches	5.5 Inches	11.0 Inches	17.0 Inches	11.0 Inches	11.0 Inches	11.0 Inches	6	8	GAMMA RAY	
	Deflection	Deflection	Lower Cal	Full Scale	Lower Cal	Upper Cal	Full Scale			0%	100%
ONE	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

REMARKS:

NOTICE: All interpretations or opinions based on inferences from electrical or other measurements and not correct, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, related in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our General Terms and Conditions set out in our current Price Schedule.

BEARHART INDUSTRIES, INC.



Company: S.A.B. DRILLING		GD FR: 1725	
Well: GARRISON NO. 1		GD TO: 1745	
Field: WILDCAT		DRLR TO: 1750	
		Elev:	
		KB: ---	
		DF: ---	
County: BATES	State: MISSOURI	GL: 723	