

# BIRDWELL

## Caliper Log

COMPANY: BATTELLE CO.  
 WELL: BDH #1  
 FIELD: COSO  
 COUNTY: INYO STATE: CALIFORNIA  
 LOCATION: SEC 6 TWP 22-5 RGE 39-E  
 OTHER SERVICES: TL GR NL FDL

PERMANENT DATUM: GROUND LEVEL ELEV. 4360  
 LOG MEASURED FROM: DE 11.5 Ft. Above Perm Datum ELEV. K.B.  
 DRILLING MEASURED FROM: DE D.F. G.L. 4360

DATE	5 OCTOBER 76	5 OCTOBER 76
RUN NO.	ONE	TWO
TYPE LOG	CA3	CA3
DEPTH - DRILLER	450	450
DEPTH - LOGGER	249	400
BTM LOG INTER	247	399
TOP LOG INTER	0	0
TYPE FLUID IN HOLE	WATER	WATER
SALINITY PPM CL		
DENSITY LB./GAL		
LEVEL	375	375
MAX. REC. TEMP. - F	132.5	150
OPER. RIG TIME	1.5 HOUR	1 HOUR
RECORDED BY	OWEN	OWEN
WITNESSED BY	SHEFF	SHEFF
LOCATION	LAS VEGAS	LAS VEGAS

BORE HOLE RECORD				CASING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
1-2	7-1/4"	0	10'	8-5/8"		0	10'
		10'	450'				

**WELL DATA**

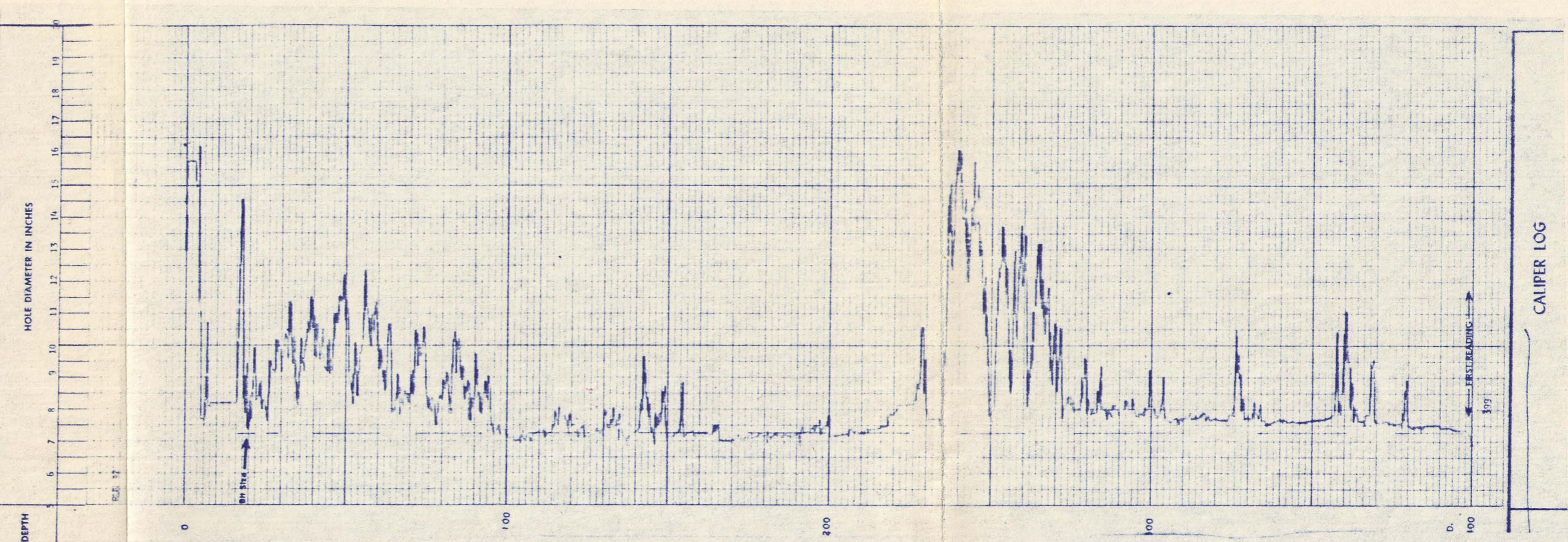
ORIGINAL TOTAL DEPTH: P.B.T.D.  
 TYPE WELL SHOT WITH: FM TO  
 AMOUNT: FM TO  
 AMOUNT: FM TO  
 SPECIAL WELL CONDITIONS: FM TO  
 PURPOSE OF SURVEY TO DETERMINE HOLE SIZE & CONDITION

**EQUIPMENT DATA**

LOG: CALIPER  
 MODEL: ALFA-1001  
 SERIAL NO: 13  
 DIAMETER: 1.5-5/8"  
 2 FT./MIN: 30  
 F: 2 DIV. 1"  
 ARM DIAM: 3-5/8"  
 ARM DIAM: 16.5"  
 K NO: 2735

NOTE: (N.A. MEANS NOT AVAILABLE)  
 RUN #1 STARTED JOB @ 1000 HOURS.  
 FINISHED JOB @ 1800 HOURS.  
 RUN #2 STARTED JOB @ 1800 HOURS.  
 FINISHED JOB @ 2030 HOURS.  
 K BRIGGS IN CHARGE.

ICE ORDER/INV. NO. 511679



# BIRDWELL

## Temperature Log

COMPANY: BATTELLE CO.  
 WELL: BDH #1  
 FIELD: COSO  
 COUNTY: INYO STATE: CALIFORNIA  
 LOCATION: SEC 6 TWP 22-5 RGE 39-E  
 OTHER SERVICES: CA3 FDL GR NL

PERMANENT DATUM: GROUND LEVEL ELEV. 4360  
 LOG MEASURED FROM: DE 11.5 Ft. Above Perm Datum ELEV. K.B.  
 DRILLING MEASURED FROM: DE D.F. G.L. 4360

DATE	5 OCTOBER 76	5 OCTOBER 76
RUN NO.	ONE	TWO
TYPE LOG	TL	TL
DEPTH - DRILLER	450	450
DEPTH - LOGGER	249	400
BTM LOG INTER	249	400
TOP LOG INTER	0	0
TYPE FLUID IN HOLE	WATER	WATER
SALINITY PPM CL		
DENSITY LB./GAL		
LEVEL	375	375
MAX. REC. TEMP. - F	132.5	150
OPER. RIG TIME	1 HOUR	1.5 HOUR
RECORDED BY	OWEN	OWEN
WITNESSED BY	SHEFF	SHEFF
LOCATION	LAS VEGAS	LAS VEGAS

BORE HOLE RECORD				CASING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
1-2	7-1/4"	0	10'	8-5/8"		0	10'
		10'	450'				

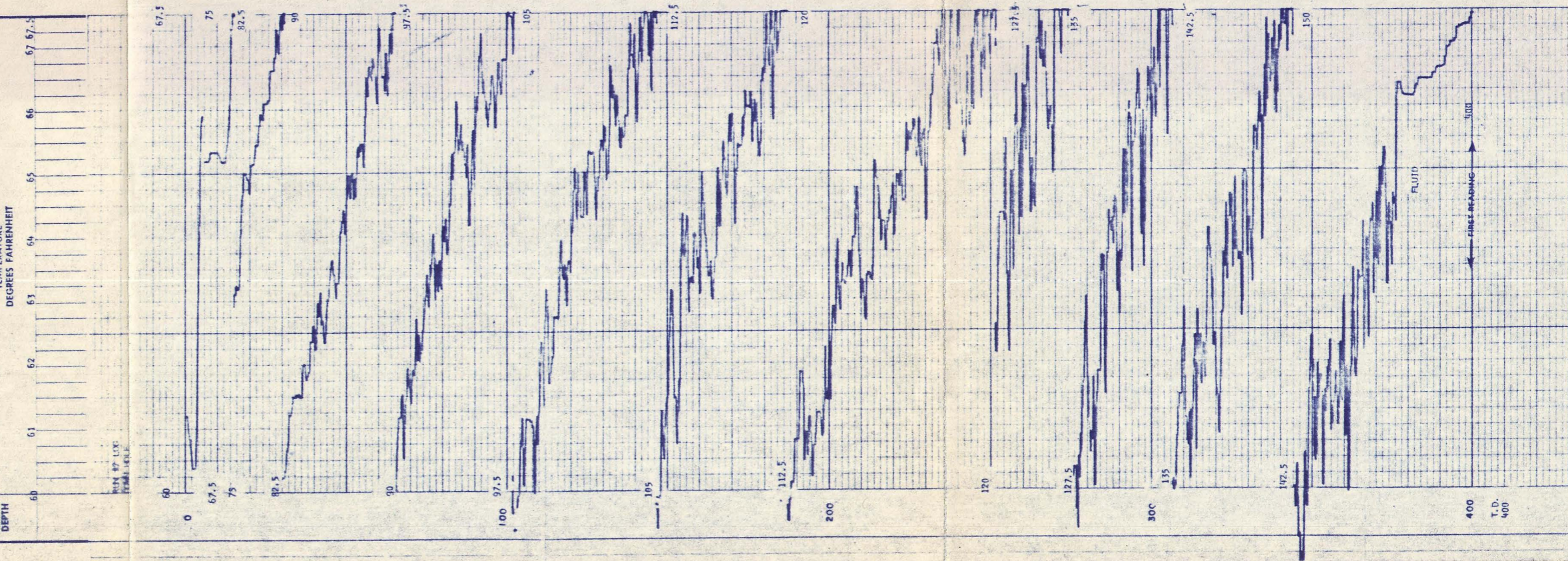
**WELL DATA**

TYPE WELL: TL  
 PROD OR INJ RATE: LDMH-6010  
 WELL HEAD PRESSURE: EVAL  
 TYPE & AMT. CEMENT: 1-5/8"  
 LENGTH OF TIME: 12  
 PROD OR INJECTING: 1-1/2"  
 SHUT IN SINCE CEMENTING: GENERAL  
 PURPOSE OF SURVEY TO DETERMINE TEMPERATURE GRADIENT OF BOREHOLE.

**EQUIPMENT DATA**

TRUCK NO: 2235  
 SERVICE ORDER/INV. NO: 511679

NOTE: (N.A. MEANS NOT AVAILABLE)  
 \* BROCKE IN HOLE JOB @ 8000 HOURS.  
 RUN #1 STARTED JOB @ 1000 HOURS.  
 FINISHED JOB @ 1800 HOURS.  
 RUN #2 STARTED JOB @ 1800 HOURS.  
 FINISHED JOB @ 1930 HOURS.  
 NOTE: CLEANED OUT HOLE TO 400' BETWEEN LOGS.



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