U.S. Geological Survey
Open-file Report 1977

Sheet 1 of 2

Figure 6.--DRILL-HOLE NO. AK-1-SC
Natural Gamma, Density, Caliper log

BIRDWELL

Gamma-Ray Density

COMPANY HAYDEN FARMER DRILLING COMPANY
U.S. Geological Survey
WELL AK-1SC
FIELD SKUTUMPAH CREEK, ALTON-KANAB
COUNTY KANE STATE UTAH
LOCATION: SE¼SE¼
1100 ft f E line, 122 ft f S line
OTHER SERVICES ES
SEC. 34 TWP. 39S RGE4-1/2W
PERMANENT DATUM GROUND LEVEL, ELEV. 6960 EST
ELEV. K.B. N/A
D.F. N/A
G.L. 6960 EST
LOG MEASURED FROM GL, 0 Ft. Above Perm. Datum
DRILLING MEASURED FROM GROUND LEVEL

DATE	10 JUNE 76
RUN NO.	ONE
TYPE LOG	GR-FDL-CAL
DEPTH – DRILLER	950'
DEPTH – LOGGER	944'
BTM. LOG. INTER.	941'
TOP LOG. INTER.	0
TYPE FLUID IN HOLE	MUD
SALINITY PPM CL.	N/A
DENSITY LB./GAL.	N/A
LEVEL	60'
MAX.REC.TEMP. – °F	N/A
OPER. RIG TIME	2.8 HRS
RECORDED BY	MCGEE
WITNESSED BY	MR. FARMER
LOCATION	GJT

BORE HOLE RECORD

RUN NO.	BIT	FROM	TO
1	5-1/2"	0	950

CASING RECORD

SIZE	WGT.	FROM	TO

SSC 663-F

DENSITY CALIBRATION DATA

PRIMARY REF. CR.	14.5 204	64	MG
EQUIVALENT DEN. G/CC	2.70	2.50	
SECONDARY REF.	IN	OUT	
EQUIVALENT DEN. G/CC	2.465	2.08	
RECORDER CAL. REF.	25K	50K	
EQUIVALENT DEN. G/CC	2.21	1.83	
NOMINAL HOLE DIAM.	5-1/2"		

EQUIPMENT DATA

RUN NO.	ONE
DEN. SONDE MOD. NO.	LAHE-8001
DEN. SONDE SER. NO.	4
DIAMETER	2-1/4"
DEN. SOURCE NO.	S-283
GR. SONDE MOD. NO.	LALA-8001
GR. SONDE SER. NO.	4
DIAMETER	1-5/8"

REMARKS:

GENERAL

TRUCK NO.	3016
SERVICE ORDER INV.	514084

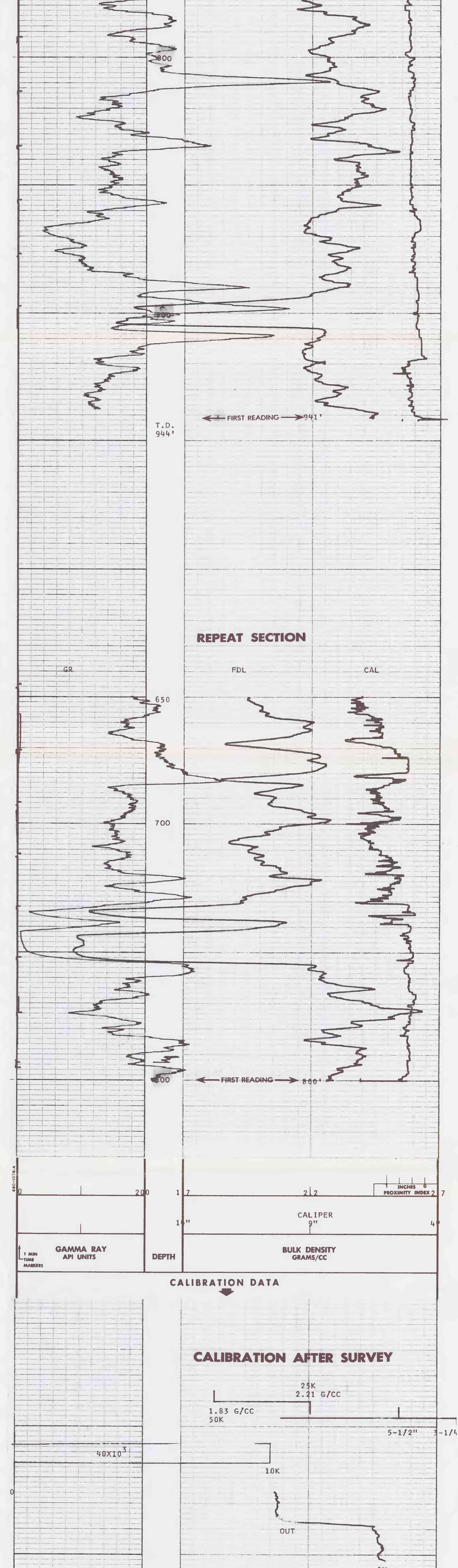
REFERENCE LITERATURE:

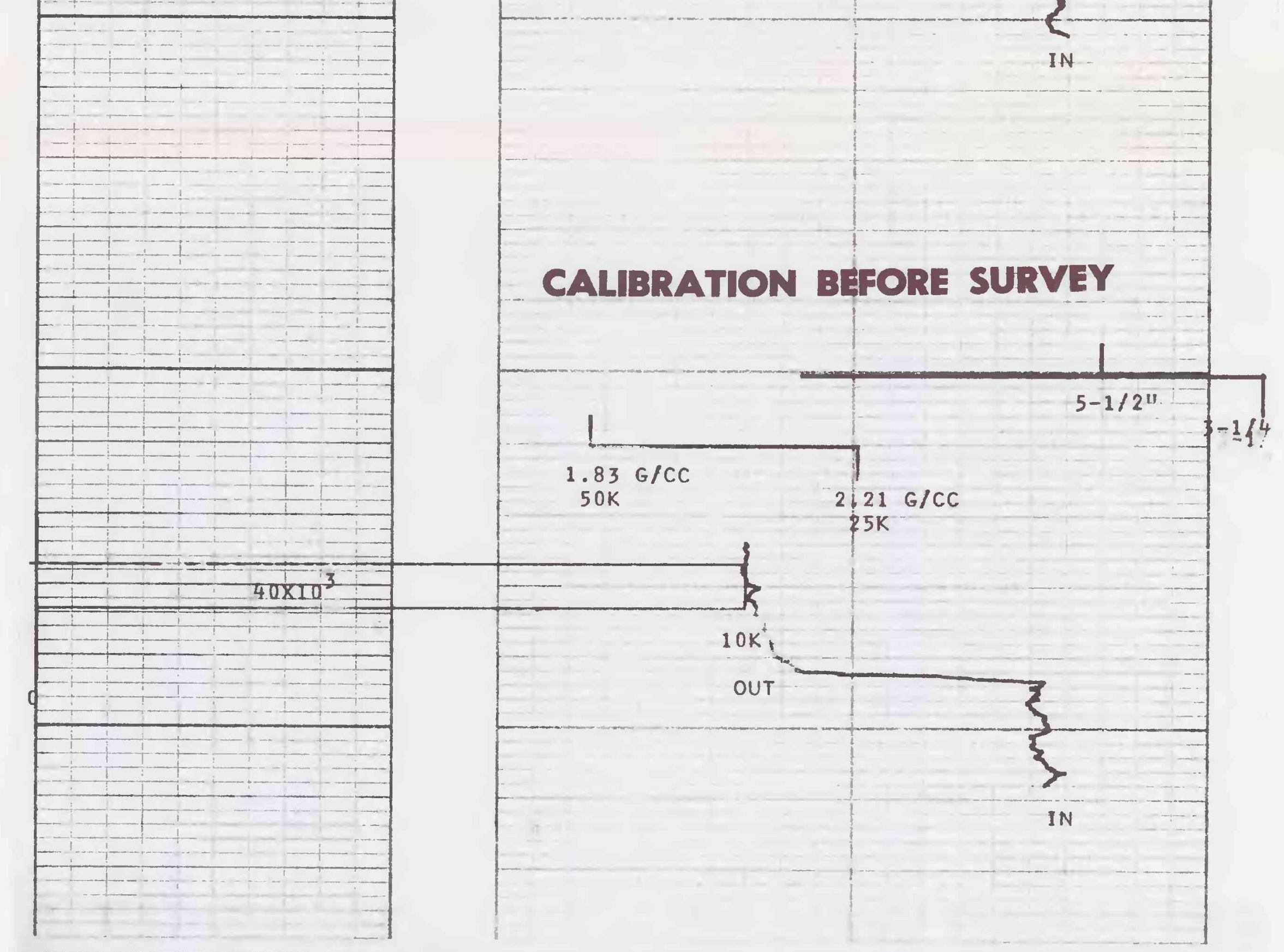
N.A.: INFORMATION NOT AVAILABLE

LOGGING DATA

GENERAL				GAMMA RAY			DENSITY	
DEPTHS FROM	DEPTHS TO	SPEED FT./MIN	TC SEC.	CPM FULL SCALE	ZERO DIV L. OR R.	API UNITS LOG DIV.	CPM FULL SCALE	G/CC/ LOG. DIV.
943	0	20	3	$40X10^3$	-0-	20	$80X10^3$	.05

NOTE: RECORDER BULK DENSITY MUST BE CORRECTED FOR STANDOFF (PROXIMITY INDEX)





CALIBRATION DATA

COMPANY	HAYDEN FARMER DRILLING COMPANY	DRILLER	T.D.	950'
WELL	AK-1SC	BIRDWELL	T.D.	944'
FIELD	SKUTUMPAH CREEK, ALTON-KANAB	BIRDWELL	F.R.	941'
LOCATION	SEC. 34, TWP. 39S, RGE. 4-1/2W	ELEV.:	K.B.	N/A
COUNTY	KANE		D.F.	N/A
STATE	UTAH DATE 10 JUNE 76		G.L.	6960 EST.

Birdwell Division
Seismograph Service Corporation
A SUBSIDIARY OF RAYTHEON COMPANY

SSC 705-B