Figure 10.--DRILL-HOLE NO. AK-4-8P
Natural Gamma, Density, Caliper log

BIRDWELL

Gamma-Ray Density & Caliper

COMPANY HAYDEN FARMER DRILLING COMPANY
WELL AK 4 8P
FIELD POOUNK CREEK, ALTON-KANAB
COUNTY KANE STATE UTAH
LOCATION SEC. 13, TWP. 39S, RGE. 4W
U.S. Geological Survey

PERMANENT DATUM SEC. 13 TWP. 39S RGE. 4W
LOG MEASURED FROM GROUND LEVEL Above Perm. Datum
DRILLING MEASURED FROM GROUND LEVEL
ELEV. PERM. 5720' K.B. = D.F. = G.L. 5720'

DATE	16 JUNE 76
TYPE LOG	GR-FDC-CAL
DEPTH-DRILLER	3320'
DEPTH-LOGGER	3317'
BTM. LOG INTERV.	3317'
TOP LOG INTERV.	0'
CASING-DRILLER	N/A
CASING-LOGGER	N/A
BIT SIZE	7 7/8"
TYPE FLUID IN HOLE	N/A
DENSITY	N/A
VISCOSITY	N/A
PH	N/A
FLUID LOSS	N/A
SOURCE OF SAMPLE	N/A
RM @ MEAS. TEMP.	N/A
RMF @ MEAS. TEMP.	N/A
RMC @ MEAS. TEMP.	N/A
SOURCE RMF & RMC	N/A
RM @ BHT	N/A
TIME CIRC.	1 HOUR
TIME LOGGER ON BOTTOM	1 HOUR
MAX. REC. TEMP. °F	N/A
EQUIP. LOCATION	5MI. NORTH
RECORDED BY	D. SEAL
WITNESSED BY	D. SEAL

RUN NO. 1 BOREHOLE RECORD BIT SIZE 7 7/8" CASING RECORD SIZE N/A WGHT. N/A FROM 0 TO 3320'

DENSITY CALIBRATION DATA			
PRIMARY REF.	1.95 & 2.85	LSR	MG
EQUIVALENT DEN. G/CC	2.70	2.50	
SECONDARY REF.	IN	OUT	
EQUIVALENT DEN. G/CC	2.46	2.08	
PRIMARY REF. NO.	10C	25K	
EQUIVALENT DEN. G/CC	2.72	2.21	
ABSORPTION INDEX DRAIN	.57	.57	

EQUIPMENT DATA	
RUN NO.	ONE
DEN. SONDE MODL NO.	LAHE-8001
DEN. SONDE SER. NO.	3-17AK
DIAMETER	3-17AK
DEN. SOURCE NO.	3-17AS
NR. SONDE MODL NO.	CALA-8001
NR. SONDE SER. NO.	3-17AC
DIAMETER	4 1/16

REMARKS: NO RIG

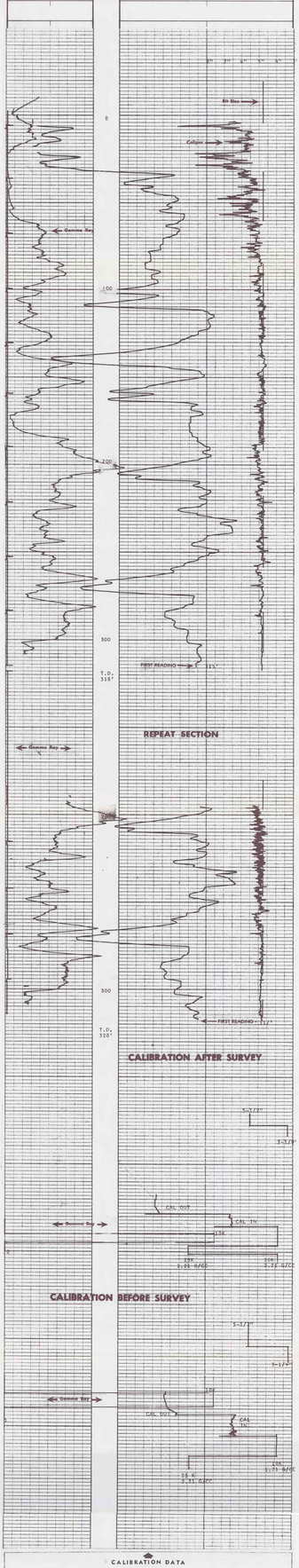
GENERAL	
TRUCK NO.	3016
VEHICLE DRIVER INV.	
REFERENCE LITERATURE	

N.A.: INFORMATION NOT AVAILABLE

LOGGING DATA

GENERAL				GAMMA RAY				DENSITY	
DEPTH FROM	DEPTH TO	FRAME FT./MIN.	TC SEC.	CPM FULL SCALE	DEAD TIME CR #	API UNITS LOW DRY	CPM FULL SCALE	G/CC OFFSET	
112	0	10	2	20X10⁴	-0-	20	80X10⁴	.05	

NOTE: RECORDER BLACK DENSITY MUST BE CORRECTED FOR STANDARD (PRESENT INDEX)



CALIBRATION DATA

COMPANY	HAYDEN FARMER DRILLING COMPANY	DRILLER T.D.	320'
WELL	AK 4 8P	BIRDWELL T.D.	320'
FIELD	POOUNK CREEK, ALTON-KANAB	BIRDWELL F.R.	317'
LOCATION	SEC. 13, TWP. 39S, RGE. 4W	ELEV. K.B.	=
COUNTY	KANE	D.F.	=
STATE	UTAH DATE 16 JUNE 76	G.L.	5720'

= NO RIG

Birdwell Division
Schlumberger Well Services
Houston, Texas

BWL-1010-A