

Figure 14.--DRILL-HOLE NO. AK-4-BP
Spontaneous-Potential and Resistivity log

BIRDWELL		<i>Electric Log</i>	
COMPANY HAYDEN FARMER DRILLING COMPANY		U.S. Geological Survey	
WEIL AK 4 BP		SHEEP CREEK, ALTON-KHAWAB	
FIELD		STATE UTAH	
COUNTY GARFIELD		OTHER SERVICES:	
LOCATION: SW ¹⁴ N ⁴ E ⁴ 152.5 ft. f E line 2050 ft f N line		FOL - CA3 GR	
SEC. 30 TWP. 37S RGE. 3W		ELEV. K.B. [±] D.F. [±]	
PERMANENT DATUM LOG MEASURED FROM GROUND LEVEL .LEV. 6810 DRILLING MEASURED FROM GROUND LEVEL		G.L. 6810	
DATE 20 JUNE 76			
RUN NO.	ONE	CORRECTION	
DEPTH—DRILLER	5801	CORRECTION	
CIRCUIT LOG INTER.	4381	CORRECTION	
TOP LOG INTER.	601	CORRECTION	
CASING—DRILLER	NO	CASING	●
CASING—LOGGER	-	CORRECTION	
BIT SIZE	4-3/4"	CORRECTION	
TYPE FLUID IN HOLE		MUD	
LIQUID LEVEL			
DEPS. VISC.	N/A	N/A	
PH	11.2ml	ml	
SOLOID FLUID LOSS			
SCALING	PTT	●	
LOSS OF TEM.	2.7 @ 64 °f	●	
Deg @ HEAS. TEMP.	2.7 @ 61 °f	●	
Deg @ HEAS. TEMP.	4.5 @ 66 °f	●	
SOURCE fluid time	MUD	●	
Deg @ B.H.V.	N/A ●	●	
TIME SINCE CIRC.	24 HRS.	●	
MAX. REC. TEMP.	N/A	of	
EQIP. LOCATION	3016 GUT	of	
RECORDED BY	MARTINEZ	of	
TRANSMITTED BY	MR. NEAL	of	

CHANGES IN MUD TYPE OR ADDITIONAL SAMPLES				SCALE CHANGES:			
DATE SAMPLE NO.				TYPE LOG	DEPTH	SCALE UP HOLE	SCALE DOWN HOLE
DEPTH - DRILLER							
TYPE FLUID IN HOLE							
LIQUID LEVEL							
DENS.		VISC.					
pH	FLUID LOSS	ml	ml				
SOURCE OF SAMPLE							
R _{ms} @ MEAS. TEMP.	⊗	⊙	⊙				
R _{mt} @ MEAS. TEMP.	⊗	⊙	⊙				
R _{mc} @ MEAS. TEMP.	⊗	⊙	⊙				
SOURCE R _{mt} R _{mc}				EQUIPMENT DATA			
R _{ms} @ B. H. T.	⊗	⊙	⊙	RUN NO.	SONDE MODEL NO.	SERIAL NO.	SONDE POS.
R _{mt} @ B. H. T.	⊗	⊙	⊙	ONE	E-LOG	WW-4	FREE
R _{mc} @ B. H. T.	⊗	⊙	⊙				1 1/16"
REMARKS:							

N.A.: INFORMATION NOT AVAILABLE

SERVICE ORDER/INVOICE NO.:

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTH	RESISTIVITY OHMS M ² /M	RESISTIVITY OHMS M ² /M
-10 +		16" NORMAL	
		0 100 200	
		64" NORMAL	
		0 100 200	

MANUAL SHIFT

16" NORMAL

64" NORMAL

50

100

200

300

400

T.D. 499'

FIRST READING 498'

REPEAT SECTION

350'

400

498'

T.D. 499'

CALIBRATION BEFORE SURVEY

16" NORMAL

100

64" NORMAL

100

100 MV

CALIBRATION AFTER SURVEY

16" NORMAL

100

64" NORMAL

100

100 MV

CALIBRATION DATA			
COMPANY	HAYDEN FARMER DRILLING COMPANY	DRILLER	T.D. 500'
WELL	AK 4 BP	BIRDWELL	T.D. 499'
FIELD	SHEEP CREEK, ALTON-KANAB	BIRDWELL	F.R. 498'
LOCATION	SEC. 30 TWP. 37S RGE. 3W	ELEV.:	K.B. X
COUNTY	GARFIELD		D.F. X
STATE	UTAH	DATE	20 JUNE 76
		G.L.	SPNO