BIRDWELL

Induction Electric Log

COMPANY: CITY OF SCOTTSBLUFF NEBRASKA
WELL: WATER TEST HOLE #2
FIELD: N/A
COUNTY: SCOTT
STATE: NEBRASKA

RUN	BIT	DEPTH DRILLED	DEPTH CHOSEN	CASING	TYPE FLUID IN HOLE	DENSITY	VISCOSITY	PH	FLUID LOSS	SOURCE OF SAMPLE	RM @ MEAS. TEMP.	RMF @ MEAS. TEMP.	RMC @ MEAS. TEMP.	SOURCE: RMF RMC	RM @ BHT	RMF @ BHT	RMC @ BHT
ONE	N/A	300.0	300.0	16" @ 20.0'	GEL CHEM	9.0	45	9.5	N/A	PIT	.17 @ 70° F	.25 @ 70° F	.12 @ 70° F	MEASURED	@ °F	@ °F	@ °F

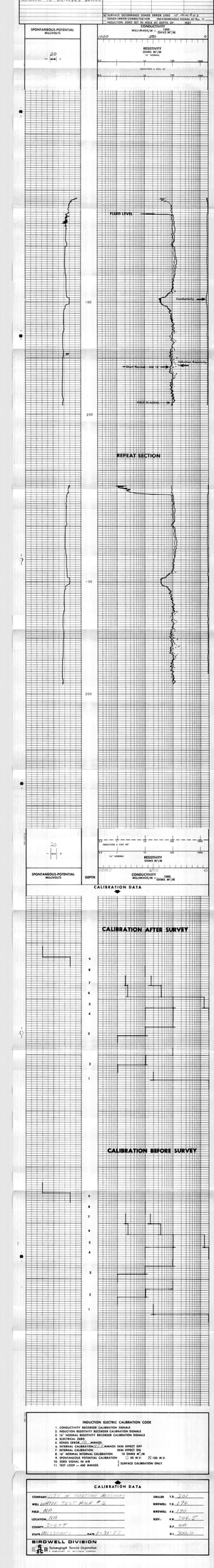
CHANGES IN MUD TYPE OR ADDITIONAL SAMPLES	
LOST CIRCULATION	
DEPTH DRILLED	
TYPE FLUID IN HOLE	
LIQUID LEVEL	
IN PIPE / ANNULUS	
SOURCE OF SAMPLE	
Rm @ MEAS. TEMP.	@ °F / @
Rmf @ MEAS. TEMP.	@ °F / @
Rmc @ MEAS. TEMP.	@ °F / @
SOURCE: Rmf Rmc	
Rm @ BHT	@ °F / @
Rmf @ BHT	@ °F / @
Rmc @ BHT	@ °F / @

REMARKS: LOG DEPTHS ARE 5' BELOW TO DRILLERS DEPTHS

EQUIPMENT & LOGGING DATA	
DATE	
PANEL MODEL NO.	1207-1081
PANEL SERIAL NO.	1
SONDE MODEL NO.	1207-2081
SONDE SERIAL NO.	10
LOGGING UNIT NO.	7A
LOGGING SPEED F.P.M.	20
FOR SONDE MOD. NO.	—
FOR SONDE SER. NO.	—
TIME CONSTANT SEC.	—
SERVICE ORDER/INV.NO.	33203
SCALE CHANGES	

TYPE LOG	DEPTH	SCALE UP HOLE	SCALE DOWN HOLE

☒ SURFACE DETERMINED SONDE ERROR USED .07 Mmho/Div
☐ SONDE ERROR DETERMINED BY CALIBRATION SIGNALS AT Rm =
☐ INDUCTION ERROR DETERMINED IN HOLE AT DEPTH OF
☐ OTHER



INDUCTION ELECTRIC CALIBRATION CODE

1. CONDUCTIVITY RECORDER CALIBRATION SIGNALS
2. INDUCTION RESISTIVITY RECORDER CALIBRATION SIGNALS
3. 16" NORMAL RESISTIVITY RECORDER CALIBRATION SIGNALS
4. SONDE ERROR IN AIR
5. SONDE ERROR ___ MMHOS
6. INTERNAL CALIBRATION ___ MMHOS SKIN EFFECT OFF
7. INTERNAL CALIBRATION SKIN EFFECT ON
8. 16" NORMAL INTERNAL CALIBRATION 10 OHMS M/M
9. INDUCTION INTERNAL CALIBRATION ___ IN M.V. 32.100 M.V.
10. ZERO SIGNAL IN AIR
11. TEST LOOP — 400 MMHOS SURFACE CALIBRATION ONLY

CALIBRATION DATA

COMPANY: CITY OF SCOTTSBLUFF NEBRASKA		DRILLER T.D. 306	
WELL: WATER TEST HOLE #2		BIRDWELL T.D. 306	
FIELD: N/A		BIRDWELL #2. 1176	
LOCATION: N/A		ELEV. K.B. 3945'	
COUNTY: SCOTT		D.F. N/A	
STATE: NEBRASKA	DATE: 1-31-77	G.L. 3900.0	

BIRDWELL DIVISION
Schlumberger Seismograph Service Corporation
A SCHLUMBERGER - DOWELL COMPANY