CDR FILE: 157

Schlumberger

MICROLATEROLOG MICROLOG

COMPANY RECTOR & STONE DRILLING COMPANY
WELL MISSOURI PORTLAND #1
FIELD WILDCAT /STRUCTURE TEST/
COUNTY HARDIN STATE ILLINOIS

Permanent Datum: GL Elev. 378
Log Measured From: KB 6 Above Perm. Datum
Drilling Measured From: KB

	Run 1	Run 2	Run 3
Date	8-28-78		
Depth Driller	370		
Depth Logger	369		
Bottom Logged Interval	369		
Top Log Interval	0		
Casing - Driller	8 5/8 @ 24		
Casing - Logger	24		
Bit Size	7 7/8		
Type Fluid in Hole	WATER		
Density / Viscosity	8.3		
pH / Fluid Loss	7.0		
Source of Sample	PIT		
Rm @ Meas. Temp.	.43 @ 75		
Rmf @ Meas. Temp.	.35 @ 75		
Rmc @ Meas. Temp.	.3 @ 75		
Source: Rmf / Rmc	M / M		
Rm @ BHT	.29 @ 78		
Time Since Circulation	3		
Time Since Stop in Hole	6		
Max. Rec. Temp.	78		
Equipment Number	2662		
Location	HARDIN		
Recorded By	WILLIAMS		
Witnessed By	-		

EQUIPMENT DATA
Logging Speed 30 FT/MIN
Time Constant 1 SEC
Recorder Range 0-100 MV
Recorder Speed 1 IN/MIN
Recorder Type DRY
Recorded Channels 1 2 3 4 5 6 7 8
Recorded Traces 1 2 3 4 5 6 7 8
Recorded Scales 1 2 3 4 5 6 7 8
Recorded Curves 1 2 3 4 5 6 7 8
Recorded Curves 1 2 3 4 5 6 7 8

Max. Rec. Temp. 78
Equipment Number 2662
Location HARDIN
Recorded By WILLIAMS
Witnessed By -

EQUIPMENT DATA
Mud Type: WATER
Density: 8.3
Viscosity: -
pH: 7.0
Fluid Loss: -
Source of Sample: PIT
Rm @ Meas. Temp.: .43 @ 75
Rmf @ Meas. Temp.: .35 @ 75
Rmc @ Meas. Temp.: .3 @ 75
Source: Rmf / Rmc: M / M
Rm @ BHT: .29 @ 78
Time Since Circulation: 3
Time Since Stop in Hole: 6
Max. Rec. Temp.: 78
Equipment Number: 2662
Location: HARDIN
Recorded By: WILLIAMS
Witnessed By: -

COMPANY RECTOR & STONE DRILLING COMPANY
WELL MISSOURI PORTLAND #1
FIELD WILDCAT /STRUCTURE TEST/
COUNTY HARDIN STATE ILLINOIS

LOCATION
1320 FT. S 1320 FT. E SEC 16 TWP 7S RGE 9E

Elev.: K.B. 378
D.F. -
G.L. 378

Date 8-28-78
Run Number ONE
Depth Driller 370
Depth Logger 369
Bottom Logged Interval 369
Top Log Interval 0
Casing Driller 8 5/8 @ 24
Casing Logger 24
Bit Size 7 7/8
Type Fluid in Hole WATER
Density / Viscosity 8.3
pH / Fluid Loss 7.0
Source of Sample PIT
Rm @ Meas. Temp. .43 @ 75
Rmf @ Meas. Temp. .35 @ 75
Rmc @ Meas. Temp. .3 @ 75
Source: Rmf / Rmc M / M
Rm @ BHT .29 @ 78
Time Since Circulation 3
Time Since Stop in Hole 6
Max. Rec. Temp. 78
Equipment Number 2662
Location HARDIN
Recorded By WILLIAMS
Witnessed By -

EQUIPMENT DATA
Mud Type WATER
Density 8.3
Viscosity -
pH 7.0
Fluid Loss -
Source of Sample PIT
Rm @ Meas. Temp. .43 @ 75
Rmf @ Meas. Temp. .35 @ 75
Rmc @ Meas. Temp. .3 @ 75
Source: Rmf / Rmc M / M
Rm @ BHT .29 @ 78
Time Since Circulation 3
Time Since Stop in Hole 6
Max. Rec. Temp. 78
Equipment Number 2662
Location HARDIN
Recorded By WILLIAMS
Witnessed By -

COMPANY
FROM
LOCATION
WELL
COMPANY

Value views The well name, location and borehole reference data were furnished by the customer.

RUN NO.	ONE
Service Order No.	16025
Fluid Level	SURFACE
Indicator-PSIG CL	-

SCALE CHANGES

Type Log	Depth	Scale Up Pick	Scale Down Hole

EQUIPMENT DATA

Panel (MPC)	477
Cartridge (MPC)	-
Knobs (MPC)	-
Tape Recorder (TTR)	BK2
Depth Encoder (DIR)	276-2
Pressure Wheel (CPW)	2935

BOTTOM HOLE TEMPERATURE

Thermometer #1	°F	°F	°F	°F
Thermometer #2	°F	°F	°F	°F
Thermometer #3	°F	°F	°F	°F

REMARKS:

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Conditions of Business, which are incorporated herein.

CALIPER DIAM. IN INCHES 5 – 15

RESISTIVITY OHMS. M². M MICRO INVERSE 0" 5 1"
50 – 0
MICRO NORMAL 2"
10 – 0

RESISTIVITY OHMS. M². M MICROLATEROLOG
2 – 1.0 – 10 – 100 – 1000

Casing

FEET

FR

REPEAT SECTION

12-08-78 MICROLOG

RESISTIVITY OHMS M²/M MICRO INVERSE 1" X 1"
50 – 0
MICRO NORMAL 2"
50 – 0

CALIPER DIAM. IN INCHES 5 – 15

RESISTIVITY OHMS M²/M PROXIMITY LOG
2 – 1.0 – 10 – 100 – 1000

CALIBRATION RECORD

CALIBRATION AFTER SURVEY

CALIBRATION BEFORE SURVEY

PROXIMITY-LOG-MICROLOG CALIBRATION CODING

STEP	CALIPER	MICROLOG	PROXIMITY
1	MECH ZERO	MECH ZERO	MECH ZERO
2	MEASURE	MEASURE	1000 Ω m
3	MEASURE	MEASURE	MEASURE
4	MEASURE	ELEC ZERO	ELEC ZERO
5	CALIBRATE	CALIBRATE	2 Ω m

CALIBRATION RECORD

COMPANY RECTOR & STONE DRILLING COMPANY
WELL MISSOURI PORTLAND #1
FIELD WILDCAT /STRUCTURE TEST/
COUNTY HARDIN STATE ILLINOIS

SCHL. FR. 367
SCHL. TD. 369
DRLR. TD. 370

Elev.: KB. -
DF -
GL 378