Schlumberger

DUAL INDUCTION-SFL
WITH LINEAR CORRELATION LOG

COMPANY L & B Leasing
WELL Paul Rapp #1
FIELD Wildcat
COUNTY Bates STATE Missouri
LOCATION 331' W to EWL, 2303' S to FSL
Other Services: FDC-CNL-GR, BHC-GR-TTI
API SERIAL NO. | SEC 10 | TWP 38N | RANGE 29W

RECEIVED MAR 05 1981 MO. OIL & GAS COUNCIL

Field Print

OGC # 20004

COUNTY ___ FIELD ___ LOCATION ___ WELL ___ COMPANY ___

Permanent Datum: Ground Level ; Elev.: 736
Log Measured From G.L. 0 Ft. Above Perm. Datum
Drilling Measured From G.L.
Elev.: K.B. — D.F. — G.L. 736

Date	2-14-81			
Run No.	One			
Depth—Driller	1715			
Depth—Logger	1710			
Btm. Log Interval	1704			
Top Log Interval	124			
Casing—Driller	8 5/8 @ 120	@	@	@
Casing—Logger	124			
Bit Size	6 1/2			
Type Fluid in Hole	Polymer			
Dens. / Visc.	— / —			
pH / Fluid Loss	— / — ml	ml	ml	ml
Source of Sample	Flowline			
Rm @ Meas. Temp.	13.60 @ 60 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	10.07 @ 81 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	7.99 @ 69 °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	6.87 @ 81 °F			
Rm @ BHT	M / —			
Circulation Stopped (TIME)	10.07 @ 81 °F	@ °F	@ °F	@ °F
Logger on Bottom (TIME)	08:00			
Max. Rec. Temp.	11:30			
Equip. / Location	81 °F	°F	°F	°F
Recorded By	7756 / Wichita			
Witnessed By	Smith			
	O'Brien			

FOLD HERE — The well name, location and borehole reference data were furnished by the customer.

Run No.	One			
Service Order No.	219602			
Fluid Level	Full			
Salinity ppm. cl	—			
Speed F.P.M.	100			
EQUIPMENT DATA				
Panel No.	436			
Cart No.	537			
Sonde No.	654			
Mem. Panel No.	590			
G.R. Panel No.	—			
G.R. Cart No.	—			
Tape Recorder - (TTR)	—			
Depth Encoder - (DRE)	—			
Pressure Wheel - (CPW)	—			
Type Centralizers	4-Fin			
Stand Off - Inches	1.5			
CALIBRATION DATA				
SBR	1.0			
Sonde Error - ILM	9.0			
Sonde Error - ILD	7.0			
G.R. BKG. - CPS.	—			
G.R. Source - CPS.	—			
S.E. Set In Hole - Depth	—			
S.E. Corr. - Hole Size	—			
LOGGING DATA				
SBR	1.0			
S.E. Log - ILM	7.9			
S.E. Log - ILD	8.9			
G.R. Scale per 100 Div.	—			
G.R. - T.C.	—			
G.R. Sens.	—			

SCALE CHANGES

Type Log	Depth	Scale Up Hole	Scale Down Hole

REMARKS
Repeat between 1400 & 1500 ran to check validity of SP. Anomalous borehole condition is creating character of SP at 1440-1450.

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 interpretations, and we shall not, except in the case of gross or willful negligence on our part, 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 Terms and Conditions as set out in our current Price Schedule.

SPONTANEOUS-POTENTIAL — 10 MILLIVOLTS

CONDUCTIVITY MILLIMHOS/M = 1000 / OHMS M²/M
DEEP INDUCTION 400 — 200 — 0

RESISTIVITY OHMS M²/M
DEEP INDUCTION R_{ILD} 0 — 100
SPHERICALLY FOCUSED LOG R_{SFL} 0 — 100

RXO/RT

DUAL INDUCTION CALIBRATION FILM CODING

1. MECHANICAL ZERO
2. 1 OHM-M
3. 100 OHM-M
4. ELECTRICAL ZERO (500 OHM-M)
5. 2 OHM-M
6. SONDE ERRORS (+2 MMHO)
7. ZERO SIGNAL IN AIR
8. ILd TEST LOOP (2 OHM SIGNAL)
9. ILm TEST LOOP (2 OHM SIGNAL)
10. Rxo/Rt UNITY
11. Rxo/Rt CALIBRATE