Schlumberger DUAL INDUCTION - LATEROLOG

G00077

RELEASED

COMPANY	TEXACO, INC.
WELL	G.O. THORNTON #1
FIELD	WILDCAT
COUNTY	ANDREW
STATE	MISSOURI
Location	SW-NE 2070' FNL 2040' FEL
Sec.	24
Twp.	59N
Rge.	34W
API Serial No.	
Other Services	FDC-GR

Permanent Datum: GROUND LEVEL ; Elev.: 1010
Log Measured From KB , 5 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 1015 D.F. ---- G.L. 1010

Date	1-9-74			
Run No.	ONE			
Depth-Driller	1300			
Depth-Logger	1297			
Btm. Log Interval	1291			
Top Log Interval	169			
Casing-Driller	8 5/8 @ 169	@	@	@
Casing-Logger	169			
Bit Size	6 3/4			
Type Fluid in Hole	FM W/GEL			
Fluid Level	FULL			
Dens. / Visc.	9.2 / 36			
pH / Fluid Loss	12 / 20 ml	ml	ml	ml
Source of Sample	MUD PIT			
Rm @ Meas. Temp.	3.6 @ 44 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.83 @ 56 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	--- @ --- °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	M / ---			
Rm @ BHT	1.9 @ 90 °F	@ °F	@ °F	@ °F
Time Since Circ.	1 HOUR			
Max. Rec. Temp.	90 °F	°F	°F	°F
Equip. / Location	4571 / WICH			
Recorded By	PARSLOW			
Witnessed By	MORTON VEIROS BRYAN			

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

CHANGES IN MUD TYPE OR ADDITIONAL SAMPLES				
Date / Sample No.				
Depth - Driller				
Type Fluid in Hole				
Dens. / Visc.				
ph / Fluid Loss		ml		ml
Source of Sample				
Rm @ Meas. Temp.	@	°F	@	°F
Rmf @ Meas. Temp.	@	°F	@	°F
Rmc @ Meas. Temp.	@	°F	@	°F
Source: Rmf / Rmc				
Rm @ BHT	@	°F	@	°F
Rmf @ BHT	1.8 @	90 °F	@	°F
Rmc @ BHT	@	°F	@	°F

SCALE CHANGES			
Type Log	Depth	Scale Up Hole	Scale Down Hole

EQUIPMENT DATA	
Run No.	ONE
Panel No.	CB-204
Cart. No.	B-154
Sonde No.	DB-48
Mem. Panel No.	B-118
G.R. Cart. No.	---
G.R. Panel No.	---
TTR No.	---
Cent. Device	NOT USED
Stand off - Inches	ZERO
Time Const - Sec.	---
Speed - F.P.M.	---

REMARKS
Service Order No. - 83663

[X] Surface determined sonde errors used.
[ ] Sonde error corrected for ___ inch borehole signed at Rm
[ ] Induction zero set in hole at depth of ___ feet.

CALIBRATION DATA						
CALIBRATION	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISION	SENS. TAP (FOR CAL.)	SENS. TAP (RECORD)	TIME CONST.
GAMMA RAY						

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 7 of our General Terms and Conditions as set out in our current Price Schedule.

SPONTANEOUS POTENTIAL MILLIVOLTS | DEPTHS | RESISTIVITY OHMS. M²/M

DEEP INDUCTION LOG 0.2 1.0 10 100 1000 2000
MEDIUM INDUCTION LOG 0.2 1.0 10 100 1000 2000
LATEROLOG - 8 0.2 1.0 10 100 1000 2000
15 ←--- RXO/RT

CALIBRATION BEFORE SURVEY

CALIBRATION RECORD

COMPANY TEXACO, INC.
WELL G.O. THORNTON #1
FIELD WILDCAT
COUNTY ANDREW STATE MISSOURI
SCHL. FR 1291
SCHL. TD 1297
DRLR TD 1300
Elev: KB 1015 DF ---- GL 1010

Log Analysis

SCHLUMBERGER

COMPANY	WELL
TEXACO, INC.	G.O. THORNTON #1

FIELD WILDCAT COUNTY ANDREW STATE MISSOURI

DEPTH | % POROSITY | % WATER | REMARKS

RW FROM SP (-55 MV) EQUALS 0.37

F CURVE NORMALIZED AS RO, THEN RW EQUALS 0.20 TO 0.30 ASSUMING 100% WATER. THEREFORE, ALL ZONES CALCULATE 100% WATER OR TITE EXCEPT FOR THE FOLLOWING INTERVALS WHICH APPEAR TO BE COAL STRINGERS:

792-794
937-940
1086-1090
1152-1154

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DATE 1-9-74 LOCATION WICHITA, KANSAS PARSLOW