Schlumberger DUAL INDUCTION - LATEROLOG

COMPANY TEXACO, INC.
WELL FOREST MILLER #1
FIELD WILDCAT
COUNTY ANDREW STATE MISSOURI
Location: 660' FNL NW-NW / 660' FWL
Sec 4 Twp 59N Rge 34W
API Serial No.
Other Services: FDC-GR, HDT

COUNTY ANDREW
FIELD or LOCATION SEC. 4-59N-34W
WELL FOREST MILLER #1
COMPANY TEXACO, INC.

CONFIDENTIAL / RELEASED

Permanent Datum: GROUND LEVEL ; Elev.: 1062
Log Measured From KB 5 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 1067 D.F. ---- G.L. 1062

RECEIVED NOV 26 1973 OIL & GAS COUNCIL

Date	11-15-73			
Run No.	ONE			
Depth-Driller	1491			
Depth-Logger	1489			
Btm. Log Interval	1483			
Top Log Interval	130			
Casing-Driller	8 5/8 @ 129	@	@	@
Casing-Logger	130			
Bit Size	6 3/4			
Type Fluid in Hole	FRESH MUD W/GEL			
Fluid Level	FULL			
Dens. / Visc.	9.5 / 33			
pH / Fluid Loss	11 / 23 ml	ml	ml	ml
Source of Sample	MUD PIT			
Rm @ Meas. Temp.	3.18 @ 73 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.60 @ 77 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	-- @ -- °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	M / --			
Rm @ BHT	2.55 @ 90 °F	@ °F	@ °F	@ °F
Time Since Circ.	3 HOURS			
Max. Rec. Temp.	90 °F	°F	°F	°F
Equip. / Location	4571 / WICH			
Recorded By	PARSLOW			
Witnessed By	NORTON, SOMMER			

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	2.25 @ 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	NONE
Stand off - Inches	ZERO
Time Const - Sec.	---
Speed - F.P.M.	70

REMARKS
Service Order No. - 83689

DST WATER SAMPLE FROM BOOCH SAND:
RRF = 2.20 M @ 73'F
RRF = 1.80 @ 90'F

[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.

CALIBRATION RECORD

COMPANY TEXACO, INC.
WELL FOREST MILLER #1
FIELD WILDCAT
COUNTY ANDREW STATE MISSOURI
SCHL. FR 1483
SCHL. TD 1489
DRLR TD 1491
Elev: KB 1067 DF ---- GL 1062

Log Analysis

SCHLUMBERGER

COMPANY TEXACO, INC. WELL FOREST MILLER #1
FIELD WILDCAT COUNTY ANDREW STATE MISSOURI

DEPTH	RW	RT	PG	% POROSITY	% WATER	REMARKS
1077-1112	.60	10	2.68	20/21	100+	BRTLS. SD.
12-35	"	9	"	22/23	100+	
1242-46	1.0	18	2.68	20/24	92/100+	BOOCH SD.
46-56	"	14AVG.	"	26/28	90/100	
56-77	"	11	"	28/31	90/100	
77-85	"	14	"	26	100	
85-92	"	13	"	27/29	90	
92-1300	"	15	"	25AVG.	96	
1300-05	"	15.5	"	23.5	100+	
05-10	"	20	"	TITE		
10-21	"	18AVG.	"	19/24	100+	
21-29	"	27AVG.	"	10/14	100+	
29-46	"	20AVG.	"	15/20	100+	
1454-64	.80	25AVG.		17/20	90/100	BURGESS
64-66	"	23AVG.		14	100+	WARNER SD.
66-68	"	24AVG.		19	100	

RRF = 2.20 M @ 73'F DST SAMPLE FROM BOOCH SAND
RRF = 1.80 @ 90'F
RW FROM SP IN BOOCH SAND IS 0.80
RW NORMALIZED FROM F LOG IN BOOCH SAND IS 1.00

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.

DATE 11-15-73 LOCATION WICHITA, KANSAS ENGINEER PARSLOW