DUAL INDUCTION - LATEROLOG

Schlumberger

COMPANY SANDS-AMERICAN CORPORATION
WELL MORRIS #1
FIELD WILDCAT
COUNTY HOLT STATE MISSOURI
Location: SW-SW 660' SL 660' WL
Sec. 15 Twp. 61N Rge. 38W
Other Services: FDC-GR

COUNTY HOLT
FIELD or LOCATION SEC. 15-61N-38W
WELL MORRIS #1
COMPANY SANDS-AMERICAN

Permanent Datum: GROUND LEVEL Elev. 1030
Log Measured From KB 4 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 1034 D.F. ---- G.L. 1030

Date	6-12-74		
Run No.	ONE		
Depth—Driller	2375		
Depth—Logger	2374		
Btm. Log Interval	2268		
Top Log Interval	430		
Casing—Driller	8 5/8 @ 430	@	@
Casing—Logger	430		
Bit Size	7 7/8		
Type Fluid in Hole	FGM		
Fluid Level	FULL		
Dens. / Visc.	9.9 / 40		
pH / Fluid Loss	-- / -- ml	ml	ml
Source of Sample	MUD PIT		
Rm @ Meas. Temp.	4.29 @ 69 °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.93 @ 68 °F	@ °F	@ °F
Rmc @ Meas. Temp.	-- @ -- °F	@ °F	@ °F
Source: Rmf / Rmc	M / --		
Rm @ BHT	3.00 @ 99 °F	@ °F	@ °F
Time Since Circ.	3 1/2 HOURS		
Max. Rec. Temp.	99 °F	°F	°F
Equip. / Location	4571 / WICH		
Recorded By	COX		
Witnessed By	DUCHSCHERER / AVIS / WHEAT		

RECEIVED JUNE 24 1974 OIL & GAS COUNCIL

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	2.01 @ 99 °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	USED
Stand off - Inches	1.5
Time Const - Sec.	--
Speed - F.P.M.	--

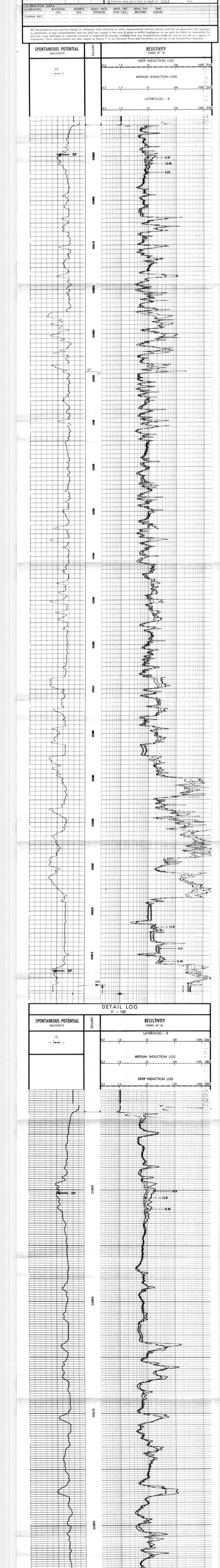
REMARKS
Service Order No. - 83603

☐ Surface determined sonde errors used.
☐ Sonde error corrected for inch borehole signed at R_m
☒ Induction zero set in hole at depth of 2352 feet.

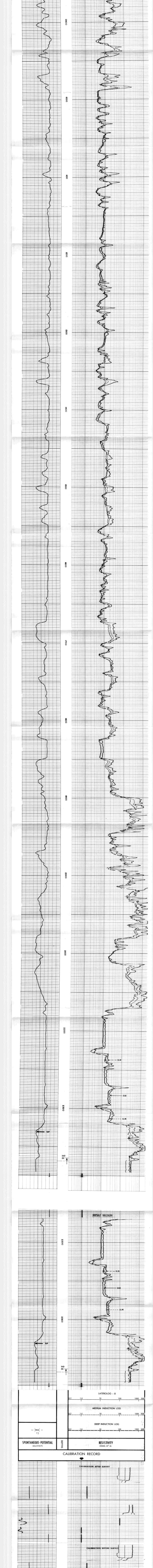
CALIBRATION:	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISION	SENS. TAP (FOR CAL.)	SENS. TAP (RECORD)	TIME CONST.
GAMMA RAY:						

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.

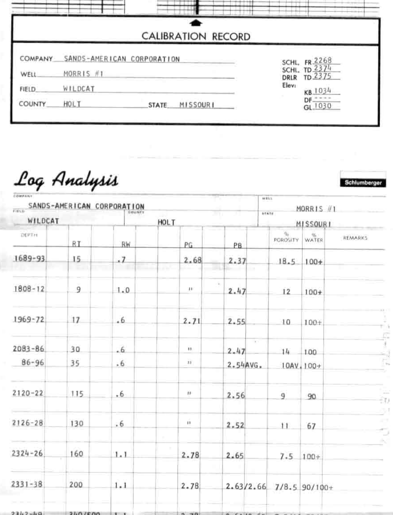
SPONTANEOUS POTENTIAL MILLIVOLTS | DEPTHS | RESISTIVITY OHMS. M²/M



DETAIL LOG 5" = 100'



CALIBRATION RECORD



CALIBRATION RECORD

COMPANY SANDS-AMERICAN CORPORATION
WELL MORRIS #1
FIELD WILDCAT
COUNTY HOLT STATE MISSOURI
SCHL. FR 2268
SCHL. TD 2374
DRLR TD 2375
Elev: KB 1034 DF ---- GL 1030

Log Analysis

Schlumberger

COMPANY SANDS-AMERICAN CORPORATION
WELL MORRIS #1
FIELD WILDCAT COUNTY HOLT STATE MISSOURI

DEPTH	RT	RW	PG	PB	% POROSITY	% WATER	REMARKS
1689-93	15	.7	2.68	2.37	18.5	100+	
1808-12	9	1.0	"	2.47	12	100+	
1969-72	17	.6	2.71	2.55	10	100+	
2083-86	30	.6	"	2.47	14	100	
86-96	35	.6	"	2.54AVG.	10AV.	100+	
2120-22	115	.6	"	2.56	9	90	
2126-28	130	.6	"	2.52	11	67	
2324-26	160	1.1	2.78	2.65	7.5	100+	
2331-38	200	1.1	2.78	2.63/2.66	7/8.5	90/100+	
2342-49	340/500	1.1	2.78	2.61/2.65	7.5/10	70/57	

ALL RW VALUES CALCULATED FROM THE S.P.

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DATE 6-13-74 LOCATION WICHITA, KANSAS ENGINEER PARSLOW