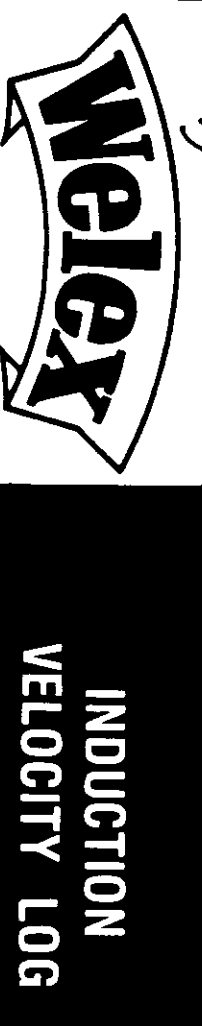


Water 30-1 SURFACE HOLE



COMPANY: QUINTANA PETROLEUM CORP.
 WELL: WATZEN ET AL # 30-1
 FIELD: VESPER SCHOOL AREA
 COUNTY: CLATSOP STATE: OREGON
 Location: 1269' S. & 3935' W. OF NE CORNER
 Sec: 30 Twp: 6N Rge: 6W
 Permanent Datum: G.L. Elev: 870.7
 Log Measured From: T.K.B. 13.6 Ft. Above Perm. Datum
 Drilling Measured From: T.K.R. Elev: K.B. 884.3
 Date: 10-26-80
 Run No.: ONE
 Depth—Driller: 843
 Depth—Welex: 824
 Btm. Log Inter.: 822
 Top Log Inter.: 50
 Casing—Driller: 1/6 @ 36
 Casing—Welex: 3/8 @ 36
 Bit Size: 13/16
 Type Fluid in Hole: WATER & GEL MUD 45
 Dens. & Visc.: 9.0 / 1 ml
 pH & Fluid Loss: 7.0 / 1 ml
 Source of Sample: CIRCULATED
 R_m @ Meas. Temp.: 6.5 @ 48 °F
 R_{mf} @ Meas. Temp.: 5.2 @ 47 °F
 R_{mc} @ Meas. Temp.: 6.8 @ 47 °F
 Source R_{mf} R_{mc}: MEASUREMENT
 R_m @ BHT: 4.15 @ 75 °F
 R_{mf} BHT: 3.25 @ 75 °F
 R_{mc} BHT: 4.26 @ 75 °F
 Time Since Circ.: 4 HR.
 Max. Rec. Temp.: N/A °F @ T.D.
 Equip. Location: 3876 WILD
 Recorded By: ANDERSON
 Witnessed By: MR SANDERS

Change in Mud Type or Additional Samples		SCALE CHANGES		
Date	Sample No.	Type Log	Depth	Scale Up Hole
Type Fluid in Hole				
Dens.	Visc.			
ph	Fluid Loss			
EQUIPMENT DATA				
Source of Sample	R _m @ Meas. Temp.	R _{mf} @ Meas. Temp.	R _{mc} @ Meas. Temp.	Other
	@ °F	@ °F	@ °F	
	@ °F	@ °F	@ °F	
	@ °F	@ °F	@ °F	
Source: R _{mf} R _{mc}				
R _m @ BHT	4.15 @ 75 °F			
R _{mf} BHT	3.25 @ 75 °F			
R _{mc} BHT	4.26 @ 75 °F			

Welex does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be given by Welex personnel or which may appear on the log or in any other form. Any user of such data, interpretations, conversions, or recommendations agrees that Welex is not responsible, except where due to gross negligence or willful misconduct, for any loss, damages, or expenses resulting from the use thereof.

POTENTIAL MILLIVOLTS		RESISTIVITY OHMS M2/M	
		0 Short Guard 30 1000 Conductivity 0 0 300 2000 1000 0 AMP GUARD 6 0 Induction 30 0 300	
Rmf at °F.			
Gamma			

