

# Schlumberger

## BOREHOLE COMPENSATED SONIC LOG

**COMPANY AMERICAN QUASAR**  
**RECEIVED-RTD**  
**WELL WALL 24-13**  
**FIELD MIST**  
**COUNTY COLUMBIA STATE OREGON**  
**NW SW of Sec. 24**  
**RECEIVED**  
**FEB 15 1980**  
REPORTED BY: KAMBERLIN, W.C.

COUNTY \_\_\_\_\_  
 FIELD \_\_\_\_\_  
 LOCATION \_\_\_\_\_  
 WELL \_\_\_\_\_  
 COMPANY \_\_\_\_\_

Permanent Datum: **GROUND LEVEL** Elev.: 534  
 Log Measured From: **KB** Elev.: 534  
 Drilling Measured From: **KE** Elev.: 534  
 Date: **1/21/80**

Run No. **ONE**  
 Depth-Logger (SH) **2810**  
 Run Log Interval **2804**  
 Top Log Interval **2760**  
 Casing Driller **508**  
 Casing Logger **508**  
 Bit Size **6 1/4**  
 Type Fluid in Hole **LIGNO**  
 Density **10.50**  
 Fluid Loss **11.80** ml  
 pH \_\_\_\_\_  
 Source of Sample \_\_\_\_\_  
 Rm. (°) Meas. Temp. **83 @ 58 F**  
 Rm. (°) Meas. Temp. **86 @ 58 F**  
 Rm. (°) Meas. Temp. **1137 @ 57 F**  
 Source Ref. Rmc. **N M**  
 Rm. (°) BHr **56 @ 90 F**  
 Rm. (°) BHr **1530**  
 Calculation Stopped **2030**  
 Logger on Bottom **90**  
 Max Rec. Temp. **8128 4408**  
 Equipment Location **LINDGREN**  
 Witnessed By **BLAZZARD/BRUER**

Other Services:  
 DIL \_\_\_\_\_  
 FDC/CNI /GR \_\_\_\_\_  
 HDT \_\_\_\_\_  
 RPT \_\_\_\_\_  
 Filt \_\_\_\_\_  
 Elev.: **KB 545**  
 Elev.: **DF**  
 Elev.: **GL 534**

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

Run No. <b>ONE</b>	<b>SCALE CHANGES</b>		
Service Order No. <b>123876</b>	Type Log	Depth	Scale Up Hole / Scale Down Hole
Fluid Level <b>FULL</b>			

<b>EQUIPMENT DATA</b>		<b>LOGGING DATA</b>	
Sonic Panel No. <b>DA-383</b>	Sonic Cart No. <b>502</b>	Porosity Selectors	Depth
Sonic Sonde No. <b>1339</b>	Mem. Panel No. _____	$\Delta t_m$ $\Delta t_f$ Cp	From To
G.R. Cart No. _____	G.R. Panel No. _____	56 189 180	
Caliper No. <b>290</b>	TTR No. _____		
Centralizers: No. _____	Type _____		
Standoffs: No. _____	Type _____		
Time Const. Sec. _____	Speed - F.P.M. <b>60</b>		

<b>CALIBRATION DATA</b>	
BKG. CPS	
GR Source CPS	
Tc Sec	

Velocity (ft. sec) =            1,000,000  
 Interval Transit Time (microseconds per foot)

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 interpretation, 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.

