



COMPANY: AMERICAN QUASAR PETROLEUM COMPANY  
 WELL: LARKINS NO. 23-33  
 FIELD: MIST NEHALEM  
 COUNTY: COLUMBIA STATE: OREGON  
 LOCATION: N/A  
 OTHER SERVICES: C/DEN/N DIP

Sec. 23 Twp. 6N Rge. 5W  
 G.L. 697.0 Elev. 697.0  
 K.B. 10.5 Ft Above from Datum G.L. 697.0

Permanent Datum: G.L. 697.0 Elev. 697.0  
 Log Measured From: K.B. 10.5 Ft Above from Datum G.L. 697.0  
 Drilling Measured From: K.B. 10.5 Ft Above from Datum G.L. 697.0

Date: 8-31-80  
 Run No.: 09E  
 Tool Type and No.: AVL 31186  
 Pad Type: ---  
 Tool Position: ---  
 Other: ---

Depth—Diller: 2918  
 Depth—Welex: 2918  
 C.E.L.: 2918  
 E.M. Log Meter: 2913

Top Log Meter: 518 @ 518  
 Casing—Diller: 518  
 Casing—Welex: 518

Type Fluid in Hole: MUD  
 pH: 9.6  
 Fluid Loss: 10.5  
 Source of Sample: CIRCULATED  
 R<sub>1</sub> @ Meas. Temp.: 1.90 @ 68°F  
 R<sub>2</sub> @ Meas. Temp.: 2.00 @ 70°F  
 R<sub>3</sub> @ Meas. Temp.: 1.25 @ 70°F  
 Source R<sub>1</sub> R<sub>2</sub> R<sub>3</sub>: MEASURED  
 R<sub>1</sub> @ BHT: 1.24 @ 104°F  
 R<sub>2</sub> @ BHT: 1.34 @ 104°F  
 R<sub>3</sub> @ BHT: 0.84 @ 104°F

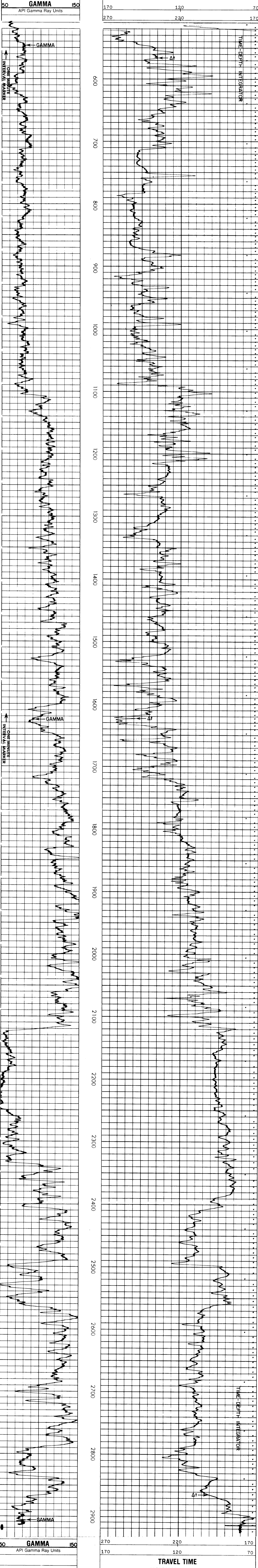
Time Stamp: 4:04 PM @ 1.1 J.  
 Log Section: 501.6 (MILLI) @ 1.1  
 Filed Section: 501.6 (MILLI) @ 1.1  
 Witnessed By: BRUER

Service Ticket No. 55213

Change in Mud Type or Additional Samples	Type Log	Depth	Scale Up Hole	Scale Down Hole
Date   Sample No.				
Depth—Diller				
Type Fluid in Hole				

Dens.   Visc.	ph	Fluid Loss	Source of Sample	R <sub>1</sub> @ Meas. Temp.	R <sub>2</sub> @ Meas. Temp.	R <sub>3</sub> @ Meas. Temp.	Source: R <sub>1</sub> R <sub>2</sub> R <sub>3</sub>	R <sub>1</sub> @ BHT	R <sub>2</sub> @ BHT	R <sub>3</sub> @ BHT

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 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.



AMERICAN QUASAR PETROLEUM COMPANY	T.D. LOGGED	2913
LARKINS NO. 23-33	T.D. DRILLER	2940
MIST NEHALEM	T.D. WELEX	2918
COLUMBIA COUNTY, OREGON	ELEV.: KB 707.5	GL 697.0

