

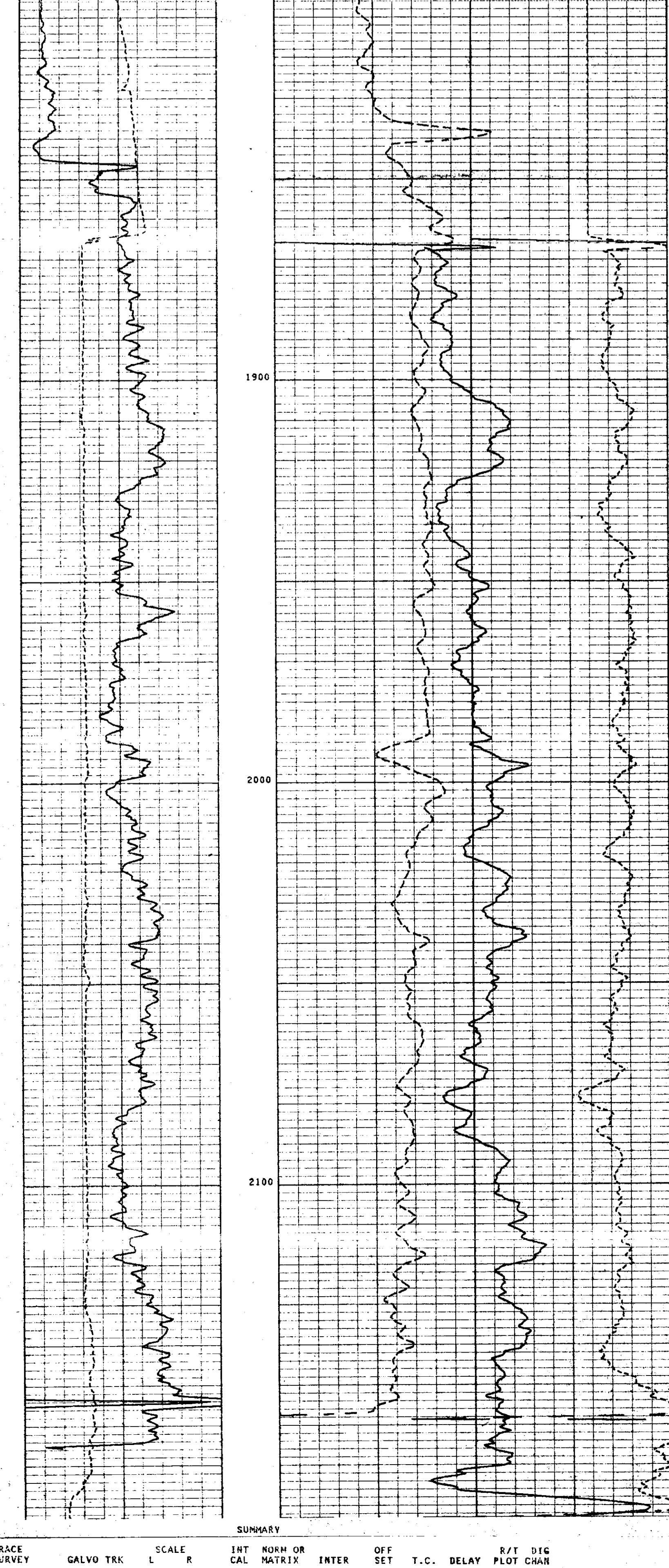
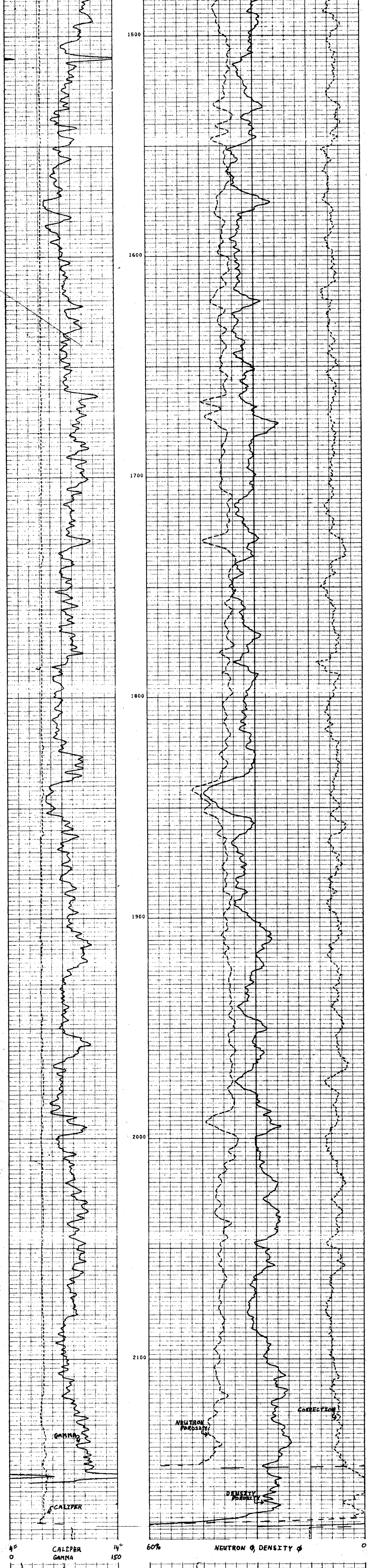
COMPANY: AMERICAN QUASAR PETROLEUM CO.  
 WELL: BENSON TIMBER 8-14  
 FIELD: NIST  
 COUNTY: COLUMBIA STATE OREGON  
 LOCATION: 104558 FUL & 24747 FSL SW 1/4 SW 1/4  
 OTHER SERVICES: DUAL LOG, 4800 DIAMETER  
 Sec: 8 Twp: 6N Rge: 4W  
 Permement Datum: 61.1 Rev: 996.5 Elev: 18,100.6  
 Log Measured from: K.B. at 1047 ft. Above Perm. Datum  
 Drilling Measured from: K.B. 01. 516.5  
 Date: 11-26-81  
 Run No.: ONE  
 Depth-Driller: RIGG  
 Depth-Weels: RIGG  
 Firm Log Inter.: RIGG  
 Top Log Inter.: RIGG  
 Casing-Driller: RIGG  
 Casing-Weels: RIGG  
 Type Fluid in Hole: GEL/ALUMINUM  
 Dens. - Vic.: 1.50 ml  
 Dens. - Lithosulfite: 1.50 ml  
 pH of Fluid Loss: 7.0 @ 6.8 ml  
 Source of Sample: CIRCULAR  
 R. @ Mass Temp: 2.0 @ 25 of  
 R. @ Mass Temp: 2.0 @ 25 of  
 R. @ Mass Temp: 2.0 @ 25 of  
 Source Ref: R. @ 25 of  
 R. @ 25 of  
 R. @ 25 of  
 Max. Rec. Temp: 25.0 @ 25.0  
 Equip. Location: 1101 UVA/LL  
 Recorded By: J. MARTEL  
 Witnessed By: M. TAYLOR

EQUIPMENT DATA			
GAMMA RAY		GAMMA DENSITY	
Run No.	102-A	Run No.	COMP. DENS.
Tool Model No.	3 5/8"	Tool Model No.	125
Diameter	102-A	Diameter	3 5/8"
Detector Model No.	SCINT.	Detector Model No.	127
Type	N/A	Type	SCINT.
Length	240"	Length	N/A
Distance to Source		Source Model No.	DCS-
		Serial No.	DCS-
		Spacing	N/A
		Type	Cs 137
		Strength	500 mc

LOGGING DATA									
GENERAL			GAMMA RAY				GAMMA DENSITY		
Hoist Truck No.	3890		Sens. Settings	Zero Div. L or R	API GR. Units per Log Div.	T.C. Sec.	Sens. Settings	Zero Div. L or R	Units per Log Div.
Instrument Truck No.									
Tool Serial No.	NEW 16161	TRK 28058		LEFT	15				

Reference Literature: RIG TIME: \_\_\_\_\_  
 Service Ticket No. 057073 Remarks: \_\_\_\_\_  
 Calibrator No. 24300  
 Calibrator Value. 2.61 - 1.44  
 Date calibrated. 11-26-81

Wells does not guarantee the accuracy of any interpretation of log data, conversion of log data to physical rock parameters, or recommendations which may be made by its sales personnel. It is the responsibility of the user to verify the accuracy of any data, interpretation, or recommendation. It is the responsibility of the user to verify the accuracy of any data, interpretation, or recommendation.



TRACE SURVEY	GALVO TRK	SCALE L	R	INT CAL	NORM OR MATRIX	INTER	OFF SET	T.C. DELAY	R/T PLOT CHAR	DIG
DENSITY LS	4	4	1.15, 2.65	0.	0.3602	53	0.	8.	0.	Y/ 2
DENSITY SS	0	0	0., 0.	0.	0.9298	21	0.	0.	0.	NO 0
CORRECTION	10	3	-0.25, 0.25	0.	0.	0	0.	0.	0.	Y/F 3
D. POROSITY	6	4	60., 20.	0.	2.71	0	0.	0.	0.	NO 5
NEUTRON	13	3	0., 350.0	0.	0.10619	321	0.	4.	26.6	NO 6
NEUTRON POR	11	4	60., 0.	0.	SAHD	0	0.	0.	0.	Y/M 7
GAMMA	1	1	0., 100.	0.	0.03371	0	0.	20.	0.	Y/F 4
CALIPER	1	1	5., 15.	0.	0.00105	-754	0.	2.	2.	Y/F 1