

**A Synergistic
Log System
CASED HOLE
RESERVOIR
ANALYSIS***

The following logs were used:
MONITOR
TDI/SR, BASE CRA

COMPANY REICHOLD ENERGY CORPORATION
WELL COLUMBIA COUNTY #10
FIELD MIST NEHELEN BASIN
COUNTY/PROV/COLUMBIA STATE/COUNTRY OREGON
LOCATION SEC. 3 TWP. 6N. RGE. 5W
DATE LOGGED ON CH 6-10-82
DATE COMPUTED ON CH 6-27-82
ELEVATION KS 1093.7 API NO. 2-G1

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

BORE HOLE RECORD				CASING & TUBING RECORD			
BIT	FROM	TO	SIZE	WGT.	FROM	TO	
6 1/4	437	2983	2-3/8 4.5	4.7 10.5	SURFACE SURFACE	2836 2950	

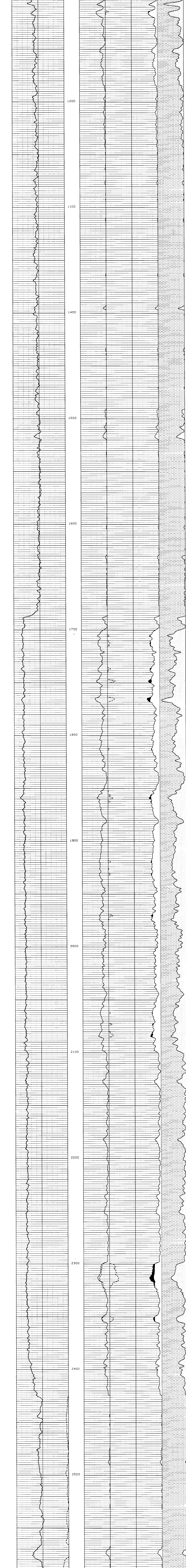
Field Report Engineer: MOFFETT Truck No: 5774 District: 4405 Computing Center Job No: 62614
Office Recording Computer Center: PCCC Program No: 8214 Analyst: JOHNSTON
Log depths of these records relate to: Open hole: Cased hole:

COMPUTATION PARAMETERS

Depth Interval	To	From	$\Delta \rho_{wf}$	$\Delta \rho_{wb}$	$\Delta \rho_{ma}$	$\frac{\Delta \rho_{wb}}{\Delta \rho_{wf}}$	$\frac{\Delta \rho_{ma}}{\Delta \rho_{wf}}$	ρ_{fl}	ρ_{mf}	ρ_{mb}	@ °F	GR	$\Delta \rho_{LOG}$	NEUT	PHI
2650	1000	60	52	10	10	10	10					19/30			0/40

REMARKS: Note: Total Porosity Determined From SIGMA-RATIO
Well was Shut In Flowing During Log

FORMATION CHARACTERISTICS	DEPTHS	BASE LOG CHARACTERISTICS		POROSITY AND FLUIDS ANALYSIS BY VOLUME		FORMATION ANALYSIS
		GAS INDEX	WATER SATURATION	WATER	SHALE	
GAMMA RAY API UNITS	0 - 150					
SPONTANEOUS POTENTIAL MILLIVOLTS	10					
		PHI	0	PHI	0	VSH
		PHI _k	0	PHI	0	



AREA	USH	Z4	WATR	SWI	SAND	USH	SHA1	DUM	WATR	BWUC	BWUC	MOIL	PHI2	BWUC	COAL	PHI1	TPE	GAS
H	CURVE	YES	SWI	SW	-100.0000	0.0000000E+00	5.750	8.250	LIN	SOLID								
H	CURVE	YES	USH	USH	-100.0000	100.00000	5.750	8.250	LIN	SOLID								
H	CURVE	YES	DUM	PHI2	-4000.000	4000.000	5.750	8.250	LIN	SOLID								
H	CURVE	YES	PHI2	PHI2	50.00000	-50.00000	5.750	8.250	LIN	SOLID								
H	CURVE	YES	BWUC	BWUC	50.00000	-50.00000	5.750	8.250	LIN	DASHED								
H	CURVE	YES	BWU	BWU	50.00000	-50.00000	5.750	8.250	LIN	SOLID								
H	CURVE	YES	TPE	TPE	50.00000	-50.00000	3.250	5.750	LIN	DASHED								
H	CURVE	YES	SWC	SWC	200.0000	0.0000000E+00	3.250	5.750	LIN	DASHED								
H	CURVE	YES	SW	SW	200.0000	0.0000000E+00	3.250	5.750	LIN	SOLID								
H	CURVE	YES	PHI1	PHI2	50.00000	-50.00000	3.250	5.750	LIN	SOLID								
H	CURVE	YES	SP	SP	-140.00000	10.00000	0.000	2.500	LIN	DASHED								
H	CURVE	YES	GR	GR	0.0000000E+00	150.0000	0.000	2.500	LIN	SOLID								