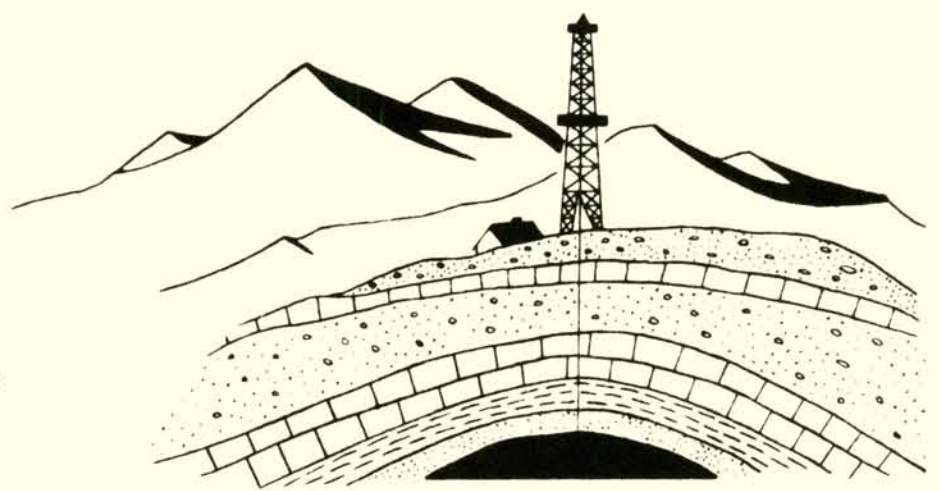


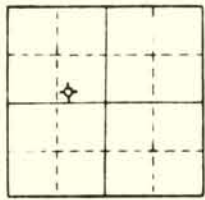
Northwest Geological Service



LOG NO **23**

COMPANY **SHELL OIL COMPANY** LEASE AND NO. **ETZEL 22-29**

STATE OR PROVINCE **MONTANA** COUNTY **RICHLAND** AREA **LONGGRASS**



LOCATION **SW SE NW SEC. 29 T. 26 N R. 51 E** GRND. ELEV. **2313 2328 K.B.**

TOTAL DEPTH **10,128** SPUNDED **6-25-52** COMPLETED **12-1-52**

REMARKS: **Salts adjusted to radioactivity log depths**

Enlargement X 10

GEOLOGIC SECTION **MISSISSIPPIAN — CHARLES, MISSION CANYON, LODGEPOLE** DATE **AUG 1958**

GAMMA RAY	DEPTH TESTING	PHOTO - LOG	POROSITY	NEUTRON	REMARKS
					Slst, shly, w/anhy
			N		Ls, slty, fos frgtl loc, ostr
			N		Salt, w/anhy, dolotc, slty
	6100		N		Salt, w/anhy, argil loc & slty
			N		Salt, w/strks ls, lith mud, slty, fos frgtl, bryos, crin, ostr, s/anhy incls
	6200				
			N		Salt, w/anhy, argil, slty, dolotc loc
	3 M				
			N		Salt, w/anhy, prtly slty, motl loc w/dolo
	6300				
			N		Anhy, w/thin argil, dolotc motling
			N		Anhy, w/abd salt incls, s/intbd lith ls mud
			N		Ls, lith mud, slty strks, s/intbd salt
			N		Anhy, intbd w/ls, lith mud, f/slty strks, f/salt incls
	4 M				
	6400				
			N		Anhy, clr, xln, intbd w/lith ls mud w/abd anhy xls, stylotc
			6		Ls, fos frgtl, crin, ostr, anhytc
			4		Ls, chky, w/anhy xl incls
			N		Ls, oolte, intst salt, f/crs brecc frgs lith ls, grds ls brecc
			N		Anhy, clr, xln, w/s/lith ls mud motling, intbd w/dolo, chky, slty w/abd dendrites
		NO SAMPLES			
	6500				
			N		Anhy, clr xln, w/thin dolo motlings, intbd w/dolo, slty
			N		Salt, w/anhy, clr xln, f/thin dolo motlings
		NO SAMPLES			