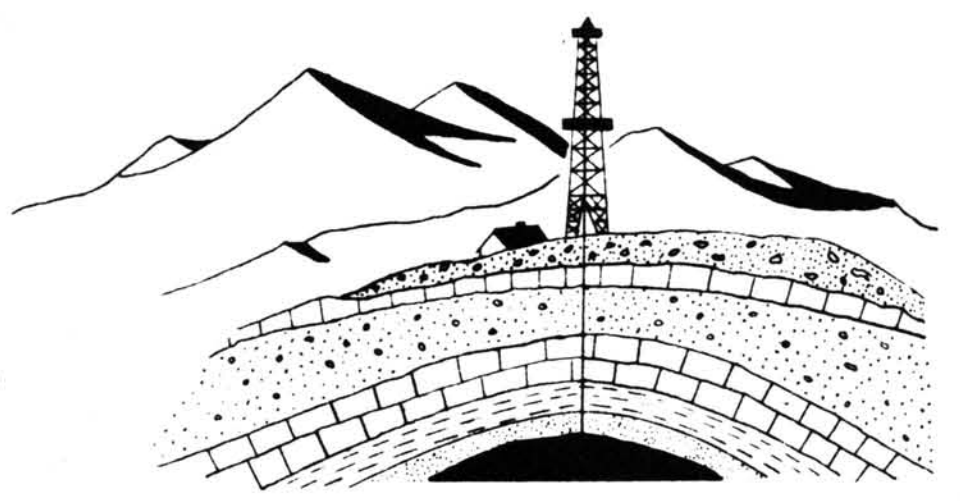


# Northwest Geological Service



LOG NO. 246

COMPANY CARDINAL PETROLEUM COMPANY et al LEASE AND NO. FERGUSON # 1  
 STATE OR PROVINCE MONTANA COUNTY SHERIDAN AREA \_\_\_\_\_  
 LOCATION C NW NW SEC. 28 T. 37N R. 58E GRND. ELEV. 2132' KB 2143'  
 TOTAL DEPTH: 6588' SPUDED 9-23-63 COMPLETED 10-8-63  
 REMARKS: Photo Enlargement X 10

GEOLOGIC SECTION MISSISSIPPIAN: Charles DATE Mar. 1964

GAMMA	Depth - Testing	PHOTO - LOG	LATEROLOG	REMARKS
	6000			Salt w/sh, anhy & dolo.
				Dolo, anhytc, argil m/anhy.
				Anhy, argil, m/salt.
				Anhy, argil, strks dolo, sdy, argil.
				Dolo, chky, argil, m/anhy & salt.
				Salt, m/anhy.
				LS, dns, anhytc, argil, salt incl.
	6100			Anhy, acicular, dns, intel ls, slty & salt.
				LS, dns, slty intel anhy & salt.
				Dolo, subchky, v slty, argil, intbd anhy.
				Salt, strks anhy & dolo.
				Salt, strks anhy & dolo.
				Dolo, dns, anhytc, slty, salt incl.
				Anhy, dns, argil, grd to dolo, salt incl.
	6200			LS, dns, tr fos frgs, argil, salt incl.
				LS, dns to chky, v slty, tr brach, argil.
				LS, dns, oolte, silc, argil, tr ch.
				LS, slty, argil, oolte loc, m/anhy & salt incl.
				Anhy, argil, strks ls, argil.
				Salt, strks anhy & ls, argil.
		Anhy, argil, sl sdy, intel dolo, argil.		
		Salt, intel anhy & dolo.		
6300		Anhy, acicular, dns, strks dolo, sdy.		
		Salt, m/anhy, acicular.		
		LS, dns, fnly foslf, sl silc, argil.		
		LS, dns to subchky, foslf loc, silc loc, argil, sl chky por, s/ch.		
		LS, dns to subchky, tr fos frgs, sl sdy, sl silc, anhytc loc, tr ch.		
		Anhy, dns, dolotc, argil, salt incl.		
		Anhy, dns, dolotc, sl slty, salt incl.		
6400		LS, c-ctc, foslf, anhytc, argil.		
		?Salt, intel anhy, strks ls, argil, sl foslf.		
		Anhy, acicular, dns, intel dolo, argil.		
		Anhy, dolotc, sl slty, salt incl.		
		Anhy, dns, argil, dolotc, sl slty, strks dolo.		
		Anhy, dns, argil, sl slty, dolotc, strks dolo.		
		LS, argil, tr fos frgs, sl anhytc, strks anhy.		
		LS, dns, argil, tr fos frgs, sl slty, strks anhy, tr slst.		
		Anhy, dolotc, slty, dolotc, strks slst.		
		LS, argil, tr fos frgs, anhy xls strks anhy.		
		LS, foslf, brach, bryon, argil, dns to chky, dolotc loc, sl por.		
		Anhy, dns, argil, dolotc, strks ls, chky, dolotc.		
		LS, mud, peld, f/piso, s/alg, m/sec anhy.		
		LS, mud, fn peld, m/ost frgs, sl p-pt por.		
		LS, mud, fn peld, argil, v anhytc intel anhy.		
		Anhy, acicular, metasomatic & intel.		
		Anhy, primary & metasomatic, strks dolo, alg & ls, mud peld, sec, anhytc.		
		Dolo, chky, sec, anhytc, intbd anhy.		
		Dolo, chky, argil, tr fos frgs, sl anhytc, fair chky por, strks c-c @ top.		
		LS, foslf, brach, argil, dolotc loc.		
	6500			
		1		
		2		
		3		
	6600			