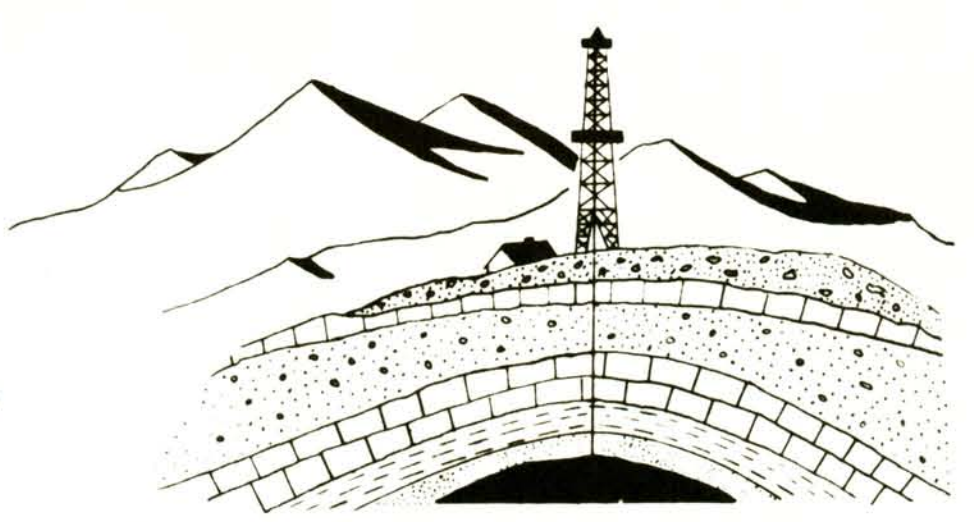


Northwest Geological Service



LOG NO. 209

COMPANY SIGNAL DRLG & EXPLOR. CO. LEASE AND NO. #1 NELSON

STATE OR PROVINCE MONTANA COUNTY SHERIDAN AREA _____

LOCATION C SW NW SEC. 14 T. 35N R. 57E GRND. ELEV. 2308' KB 2320'

TOTAL DEPTH 7207' SPUDED 3-13-63 COMPLETED 3-26-63

REMARKS: Photo Enlargement X 10

GEOLOGIC SECTION MISSISSIPPIAN: Charles, Mission Canyon DATE June 1963

GAMMA	Depth - Testing	PHOTO LOG	Porosity	LATEROLOG	REMARKS
		++ ++ + ++ ++ ++ ++ ++			Salt.
	6600				LS, chky, v argil, slty, w/slst, dolotc.
		++ ++ ++ ++			Salt.
					Salt w/anh, acicular, argil.
		++ ++			Salt.
		++ ++ ++ ++ ++ ++			Salt w/dolo & ls, dns, argil, anhy incls.
	6700				Salt w/anh & ls, slty.
		++ ++ ++ ++			Salt w/anh, acicular & ls, slty, pyr.
					LS, dns, oolite, pyrte, fn fos frgs, slty, argil.
		++ + ++ + ++ ++			Salt.
		++ ++ ++			Salt w/dolo & ls, dns, argil.
		++ ++ ++			Salt w/anh, dns, argil.
	6800				LS, subchky, anhy xls.
					LS, dns, fn fos frgs, strks ls, chky, slty, c-ltc, sl por.
					LS, dns to chky, fnly foslf, brach, bryon, salt incls.
					LS, dns to chky, argil, fn fos frgs, slty, argil, f/ools, salt ? mat.
					Anhy, acicular, dns, argil, pyr, w/sh lams.
					Anhy, acicular, dns, argil, f/strks ls, dns.
					Anhy, acicular, dns, argil, pyr.
					Anhy, acicular, dns, argil, strks dolo, argil, slty.
					Anhy, dns, argil, dolotc, f/silt & sd grs w/salt.
	6900				LS, subchky, argil, slty intel anhy s/slst.
					Anhy, acicular, dns, argil, strks ls, argil, slty, fn fos frgs.
					Anhy, argil, slty, strks ls, dns.
					LS, subchky, fn fos frgs, crin, sl silc, salt incls, sl chky por.
					LS, dns, fn fos frgs, silc, strks ls, c-c, salt mat.
					LS, dns to chky, argil, dolotc, sl silc, intel anhy.
					Anhy, argil, sdy w/salt.
					Anhy, argil w/salt, strks ls, argil.
	7000				LS, c-c, anhytc, strks ls, dns, s/ss.
		LOSS CIRC.			Loss circ, matl.
					Anhy, dns, argil, sl slty & sdy.
					Anhy, dns, argil, dolotc, sl slty.
					LS, subchky, fn fos frgs, spoils, sl anhytc.
					Anhy, argil, dolotc, sl slty.
					LS, mud, argil, sl c-cto, anhytc, argil.
	7100				LS, mud, sl peld, f/argil lams. Dolo, chky, argil, salt incls.
					LS, mud, peld, f/piso, s/alg, Spongiostromata, m/xln c/c, sl por.
					LS, fos frgtl, crin, brach, conodonts, argil lams.
					LS, fnly foslf, c-ltc, ostr, calcisphaeres, tr foram, sl p-pt por.
					LS, mud, fn peld, f/fos, ostr, m/xln c/c, sl por.
					LS, mud, sl peld, f/ostr, argil, s/xln c/c, tr anhy, psbl lchd salt, sl por.
					LS, mud, sl peld, s/xln c/c, fair vug por loc.
					LS, chky, fnly foslf, c-ltc, dolotc, argil, sl silc, sl chky por.
					LS, fnly foslf, brach, crin, argil, sl silc, tr c-c.
	7200				LS, foslf, brach, argil, slty, tr silc c-c.