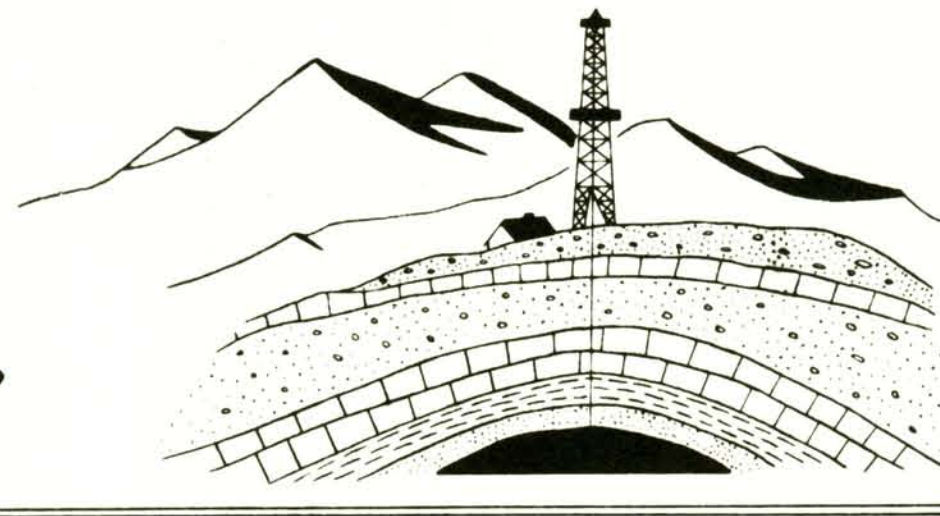


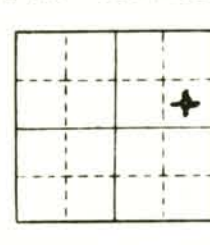
Northwest Geological Service



LOG NO. 111

COMPANY **GULF OIL CORPORATION** LEASE AND NO. **I SCHWARZ**

STATE OR PROVINCE **MONTANA** COUNTY **DAWSON** AREA



LOCATION **C SE NE SEC. 3 T 17N R 52E GRND. ELEV. 2613' D.F. 2623'**

TOTAL DEPTH **10,624'** SPUNDED **1-13-55** COMPLETED **4-5-55**

REMARKS: **Photo Enlargement X 10**

GEOLOGIC SECTION **MISSISSIPPIAN: Charles, Mission Canyon, Lodgepole** DATE **JAN, 1961**

GAMMA RAY	DEPTH TESTING	PHOTO - LOG	NEUTRON	REMARKS
	7600			Sh, lmy to blk, slty, dolote, strks dolo & slst.
	7700			Dolo, gran, v slty grd to slst, anhy incl, sl por. Anhy, dns, argil, slty, w/dolo, sdy. Dolo, dns, argil, slty, sl por, strks sh. Anhy, argil, dolote w/dolo, slty. Anhy, shly grd to sh; s/dolo, sdy. Anhy, dolote w/dolo, slty.
	7800			Ls, dns, argil, sl slty, strks sh, anhy incl. Ls, dns argil, strks ls, c-c, oolite, slty, anhytc, sl por. Dolo, chky, slty, argil strks anhy. Anhy, acicular, strks dolo, argil & ls, dns, fn fos frgs. Anhy, acicular, strks ls, dns. Ls, dns, stylo.
	7900			Ls, dns, fn fos frgs, spels, brach, tr ch. Anhy, argil, dolote, pyr. Anhy, acicular f/dolo lams. Anhy, acicular, f/strks dolo & slst. Anhy, dns, dolote, strk dolo, sdy. Anhy, acicular to dns, dolote.
	8000			Dolo, chky, argil, slty, sdy, anhy incl, strks ls, v fn fos frgs. Anhy, acicular & dns, dolote. Ls, dns, sl silc, anhy incl. Ls, dns to chky, argil, fn fos frgs. Ls, fnly fos frgtl, c-ltc, qtz xls, sl por. Ls, dns, fn fos frgs, argil, anhy xls. Dolo, chky, argil, slty.
	8100			Anhy dns to acicular, dolote w/dolo, argil. Ls, dns, abun anhy xls. Ls, c-ltc, sdy m/sec anhy, pyr. Anhy, dns, dolote, argil, slty. Ls, argil, slty, pyr, fn fos frgs, dolote. Anhy, dns, dolote grdt to dolo. Slst, dolote, argil, pyr. Ls, foslf, crin, ostr, argil, f/anhy xls.
	8200			Ls, argil, foslf, crin, brach, sl dolote, silc loc. Ls, argil, slty, foslf loc. Ls, foslf, crin, brach, bryo, argil, f/sh lams. Ls, v argil, fn fos frgs, spels, ostr, pyr. Ls, foslf, crin, bryo, ostr, brach, argil. Ls, foslf, crin, spels, bryo, argil. Sh, w/ls, argil, foslf.
	8300			Ls, fnly foslf, crin, spels, algae?, argil, stylo. Ls, c-ltc to c-ctc, fnly foslf, algae?, sl por. Anhy, argil, slty w/ls, fn fos frgs. Ls, dns, tr fos frgs, anhy xls, argil. Ls, foslf, argil, slty loc, tr oi. Ls, foslf, crin, bryo, argil.
	8400			Ls, foslf, crin, bryo, brach, argil. Ls, foslf, argil, sl silc, cor? Ls, foslf, crin, spels, argil, tr qtz grs. Ls, foslf, crin, cor, brach, argil, sl silc. Ls, foslf, crin, brach, bryo, argil. Ls, foslf, crin, bryo, argil, stylo. Ls, foslf, crin, bryo, sl c-ctc, argil, clc mat. Ls, foslf, sl c-ctc.
	8500			Ls, foslf, bryo, cor, argil, stylo. Ls, foslf, argil, sl silc, s/ch. Ls, foslf, bryo, cor, crin, argil. Ls, foslf, argil. Ls, dns, f/fos frgs, bryo, cor, argil. Ls, foslf, argil, stylo. Ls, foslf, cor, bryo, argil, sl silc. Ls, foslf, argil, stylo. Ls, foslf, argil, spels, crin. Ls, foslf, argil. Ls, foslf, argil. Ls, chky, dolote, sl foslf. Ls, foslf, c-ctc, sl por.
	8600			Ls, c-ltc to c-ctc, foslf, argil. Ls, foslf, crins, argil, dolote. Ls, gran, dolote, foslf. Ls, gran, dolote, fnly foslf. Ls, dns to chky, c-ltc, sl foslf, argil, pyr. Ls, c-ltc, fn fos frgs, argil, pyr.