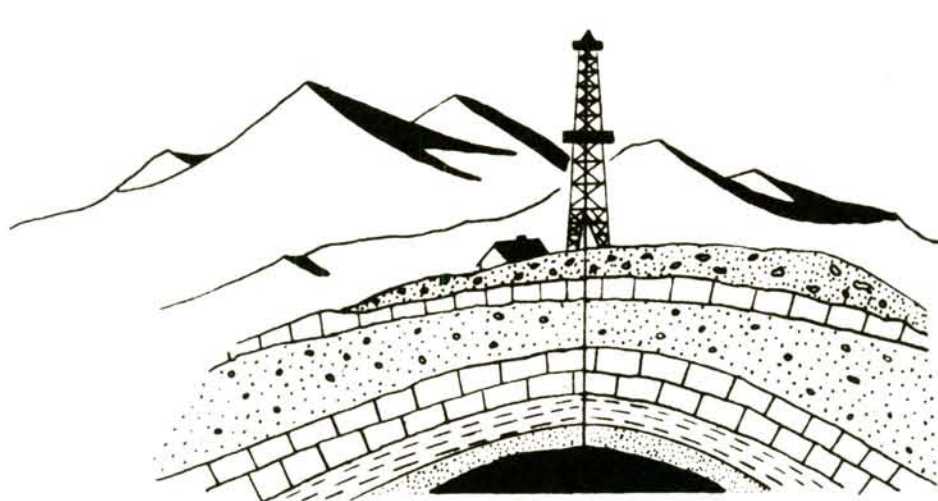


Northwest Geological Service



LOG NO. 202

COMPANY **SIGNAL DRLG. & EXPLORATION-CALTANA** LEASE AND NO. **#1 C. PETERSEN**
 STATE OR PROVINCE **MONTANA** COUNTY **SHERIDAN** AREA _____
 LOCATION **NE SE** SEC. **19** T. **35N.** R. **58E.** GRND. ELEV. **2226'** K.B. **2235'**
 TOTAL DEPTH **7202'** SPUDED **5-7-62** COMPLETED **6-11-62**
 REMARKS: **Photo Enlargement X10. IPP-42 B0 & 220 BWPD from 7084-7086.**

GEOLOGIC SECTION **MISSISSIPPIAN: Charles, Mission Canyon** DATE **APR. 1963**

Depth Testing	PHOTO-LOG	REMARKS
	++ ++ ++	Salt.
6500		Anhy, argil, slty w/salt. Anhy, argil, sl slty w/salt.
	++ ++ ++ ++ ++	Salt.
6600		Anhy, acicular, dolote w/dolo, slty, s/salt. Dolo, chky, slty, argil w/salt. Anhy, acicular, dolote w/dolo, slty, & salt. Anhy, dolote, slty, w/dolo, slty.
	++ ++ ++	Anhy, acicular, dolote w/dolo, slty & salt. Slst, dolote grdg to slty dolo, w/anhy & salt. Salt w/dolo & anhy.
6700		LS, dns, sl slty w/salt & anhy incl.
		LS, dns, argil w/anhy & salt incl.
		LS, dns, pyr, anhy & salt incl.
		LS, dns, f/ool, sl slty, w/salt & anhy incl.
	++ ++ ++ ++ ++ ++ ++ ++ ++ ++	Salt.
6800		LS, dns, salt incl.
		LS, dns, f/ool, f/ool frgs, salt incl.
		LS, dns, s/silty, c-ltc, salt incl.
		Anhy, dns, argil, dolote, w/silty ls, & salt. Anhy, acicular, dns, argil w/dolo & salt. Anhy, acicular, dns, argil w/sh.
		Anhy, dns, argil, intel salt.
		Anhy, dns, dolote, argil s/ls, argil, s/salt.
6900		Anhy, dns, dolote, w/salt incl s/ls dns, argil.
		LS, dns, sl slty intel anhy, salt.
		LS, chky, dolote, v fn fos frgs, sl anhytc, sl por.
		LS, dns to chky, fn fos frgs, sl c-ltc, anhytc, sl por.
		LS, subchky, fn fos frgs, anhytc, salt incl.
		Anhy, dns, dolote, slty.
		Anhy, dns, slty & sdy, w/dolo, sdy, & ss.
		LS, subchky, fnly foslf, anhytc, sl por.
		Anhy, dns, argil, sdy w/salt.
		Anhy, dolote, argil, intel ls.
7000		Anhy, dns, argil, dolote, sl slty w/salt.
		Salt w/anhy & dolo, slty.
		Anhy, acicular, strks dolo, slty.
		LS, c-c, reworked peld, m/anhy mat.
		LS, fn peld, fn fos frgs, sl slty & anhytc, m/sh lams.
		Anhy, acicular, dns, intel dolo, slty.
		LS, chky, fn fos frgs, dolote, anhytc, argil.
		LS, mud, faint peld, fn fos frgs, calcisphaeres, ostr, algal ls.
		LS, chky, v dolote, conodonts, frgs, argil, fair chky por.
		LS, subchky, fnly foslf, brach, crin, argil, dolote, sl por.
		LS, subchky, foslf, f/dtrl Garwoodia alg, argil, fair por.
		LS, foslf, brach, crin, forams, subchky, dolote, sl por.
		LS, foslf, conodonts, brach, argil, sl chky por; dips 4-45°.
		LS, arg, Spongiostromata, calcisphaeres, m/xln clc, sl por.
		LS, fn frgtl, crin, cor, brach, c-ctc, fair por.
		LS, mud, arg, calcisphaeres, ostr, xln clc, sl por.
		LS, mud, f/fnos frgs, alg, sl vug por.
		LS, foslf, bryon, brach, rework lime mud, argil.
		LS, c-c, unsorted, fos frgs, m/xln clc sl por.
		LS, chky, dolote, fos frgs, argil, fair por.
		LS, argil, fn fos frgs, crin, brach.
		LS, c-c, ools, forams, clc mat, sl por.
		LS, fn c-c, argil, slty, fn fos frgs.
		LS, argil, f/fos, brach, spcls, crin.
7200		LS, fnly foslf, brach, cor, argil, sl slty, sl por.