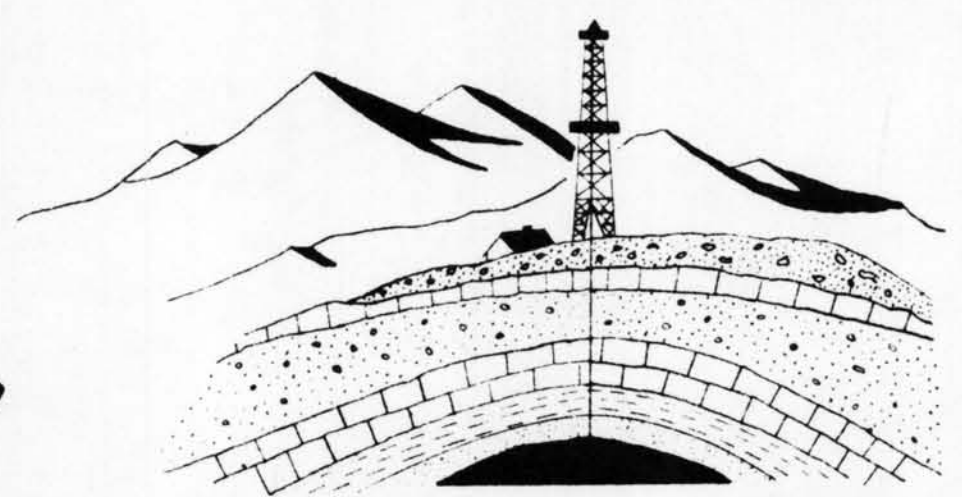


# Northwest Geological Service



LOG NO. 270

COMPANY **SIGNAL DRLG & EXPL CO.** LEASE AND NO. **HOVELAND NO. 1**  
 STATE OR PROVINCE **MONTANA** COUNTY **SHERIDAN** AREA \_\_\_\_\_  
 LOCATION **SE NE** SEC. **28** T. **35N** R. **57E** GRND. ELEV. **2389** KB **2400**  
 TOTAL DEPTH **7333** SPUDED **5-12-64** COMPLETED **5-25-64**  
 REMARKS: **Photo Enlargement X 10**

GEOLOGIC SECTION **MISSISSIPPIAN: Charles** DATE **Sept 1964**

GAMMA	Depth - Testing	PHOTO LOG	LATEROLOG	REMARKS
				Dolo, dns to subchky, argil, anhytc, s/ls, anhytc, m/salt Dolo, argil, dns to subchky, anhytc, m/salt Ls, dns, anhytc, m/dolo, argil & salt
	6700	++ ++ ++ ++ ++ ++ ++		Salt
				Anhy, argil, slty grdg to slst, m/salt, tr ls, anhytc Anhy, slst & salt as abv
		++ ++ ++ ++		Salt
				Anhy, dolotc, argil grdg to dolo, m/salt
	6800	++ ++ ++ ++		Salt
				Anhy, argil, dolotc, m/salt, strks sh
		++ ++		?Salt
				Anhy, dns, dolotc, strks dolo, grav, m/salt
				Ls, dns, argil, sl slty, w/salt & anhy
	6900	++ ++ ++ ++ ++ ++ ++ ++		Salt
				Ls, subchky, tr fos frgs, salt incl
				Anhy, acicular, intel ls
				Ls, dns, argil, intel anhy
				Anhy, dns, dolotc, argil, strks ls, slty, tr fos frgs
				Ls, argil, sl slty w/anhy & salt incl
	7000	++ ++		?Salt
				Ls, dns, argil, tr pyrte ools, w/anhy incl
				Anhy, acicular, dns, intel ls & salt
				Anhy, dns, dolotc, strks ls
				Ls, dns, argil, pyr, strks anhy
		++ ++ ++		?Salt, strks anhy & ls
				Ls, subchky, argil, anhytc, m/anhy
				Ls, argil, anhytc, m/anhy
	7100			Anhy, argil, dolotc, pyr, strks ls
				Anhy, argil, dolotc, sl sdy, strks dolo & ls
				Anhy, dolotc, argil, sl slty
				Anhy, dolotc, argil, slty
				Ls, argil, c-ctc loc, anhytc
				Anhy, dolotc, argil, sl slty & sdy
				Anhy, argil, dolotc, sdy loc, strks ls
				Anhy, argil, dolotc, slty, strks dolo & ls, argil
	7200	No Samples		
				Ls, mud, fn peld, fos frgs, alg filaments, a/sec anhy Anhy, acicular, argil, dolotc, intel dolo Ls, mud, subchky, argil, fn fos frgs, tr calcisphaeres, anhy incl, sl por Ls, c-c, foslf, clc mat Ls, argil, c-ltc loc, fn fos frgs, spcls, calcisphaeres
	1			Ls, fnly foslf, c-ltc, argil, varved
				Dolo, subchky, argil, sl chky por Ls, subchky, dolotc, argil, anhytc, f/fos frgs Ls, argil, fnly foslf, spcls, crin brach, sh lams
	2			Ls, fos frgtl, c-ctc, bryon, brach, crin, f/foram, clc mat Ls, fnly foslf, argil
	7300			Ls, argil, fos frgs, spcls, brach, crin
		No Samples		