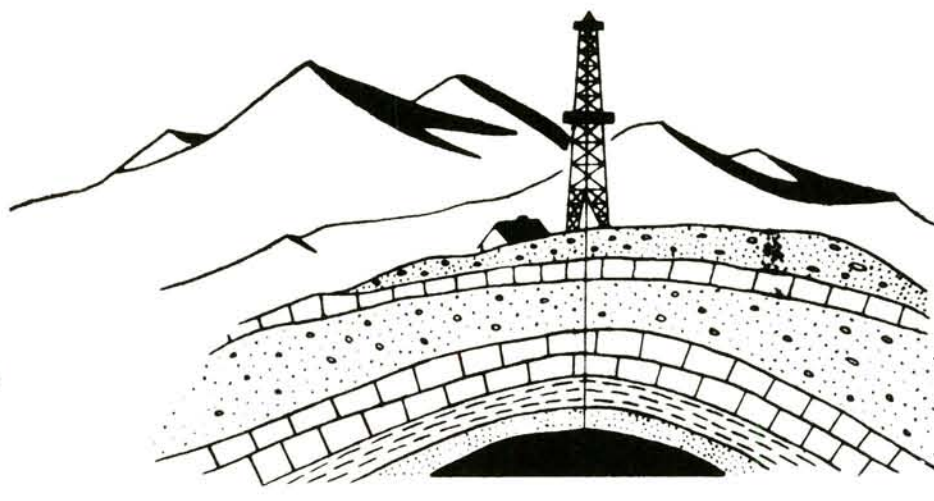


Northwest Geological Service



LOG NO. 165

COMPANY SIGNAL DRILLING & EXPLORATION CO. LEASE AND NO. 1 DELONAI
 STATE OR PROVINCE MONTANA COUNTY SHERIDAN AREA DWYER
 LOCATION C SE NE SEC. 19 T. 32N. R. 59E. GRND. ELEV. 2008' K.B. 2022'
 TOTAL DEPTH 7975' SPUNDED 11-1-61 COMPLETED 11-29-61
 REMARKS: I.P.F. 414 B.O.P.D., 5% B.S. & W. Photo Enlargement X 10.

GEOLOGIC SECTION MISSISSIPPIAN: Charles, Mission Canyon DATE May, 1962

GAMMA RAY	DEPTH TESTING	PHOTO - LOG	MICROLATEROLOG	REMARKS	
	7100			Sh, lmpy, calc, slty; grdg to slst; f/any incl.	
				<p>ls, dns, faint peld, tr fos frgs, argil, anhy xls; strks dolo, chky, slty.</p> <p>ls, dns, argil, anhy incl.</p>	
					Salt.
					Anhy, argil, dolotc, sl sdy; m/salt; tr ls, dns.
					Dolo, chky, slty, argil; intcl anhy & salt.
					Anhy, dns, argil, dolotc; m/salt; strks dolo, slty.
					Dolo, chky, slty, argil; grdg to slst.
					Anhy, dns, argil, dolotc; strks argil dolo & ls.
					ls, dns, argil, tr pyrte? ools; intcl anhy.
					ls, dns, v argil, tr pyrte? ools, slty loc; anhy incl.
					Salt?; intcl anhy, acicular, argil; strks ls, dns.
					Salt?; intcl anhy; strks ls, dns, argil.
					Salt?; intcl anhy; strks ls, dns, argil.
					ls, dns, f/ fos frgs, argil, sl slty, anhy xls.
					ls, dns, argil, v faint peld, anhy xls; intbd anhy, argil.
					Anhy, dns, v argil; intbd slst, calc, argil & ls, argil, tr fos frgs, Pentacrinus.
					ls, dns, argil, sl slty, faintly c-ltc, pyr.
					ls, slty, pyrte? ools; grdg to dolotc slst; ls, dns, oolte, anhy xls.
					Anhy, acicular, dns, argil, dolotc, sl slty, pyr.
					Anhy, acicular, dns, argil, dolotc; strks ls, dns.
			Dolo, v argil, slty; intbd anhy, acicular, argil.		
			Anhy, acicular, dns, argil, dolotc; intbd dolo, argil, slty.		
			Dolo, dns, v argil, slty; intbd anhy.		
			Salt?; intbd dolo, dns, argil & anhy.		
			ls, dns, argil, anhy incl; psbl salt.		
			ls, dns, argil, anhy incl.		
			ls, dns to subchky, argil; tr slt grs, psbl sl por, anhy incl.		
			Anhy, acicular, dns, argil, dolotc; intbd dolo, chky, slty.		
			ls, dns, argil, v fn fos frgs.		
			ls, dns, argil, fn fos, strks sh.		
			Anhy, dns, argil, slty; strks ls, argil.		
			Anhy, dns, argil, slty; strks ls, argil, fn fos frgs.		
			Anhy, dns, argil, dolotc, slty.		
			Anhy, dns, argil, dolotc.		
			Dolo, subchky, argil, slty, sl anhytc.		
			Anhy, dns, argil, sl slty, dolotc.		
			Dolo, chky, v slty, calc; grdg to calc slst.		
			Anhy, dns, argil, dolotc, slty.		
			Anhy, subchky, dolotc; grdg to dolo, sl slty.		
			ls, subchky, dolotc, sl anhytc.		
			ls, subchky to dns, fn fos frgs, spcls, brachs, argil, anhytc, argil.		
			ls, fn peld, fos frgs, alg, ostr, xln clc, tr anhy xls, sl por.		
			ls, fn peld, fos frgs, alg, ostr, m/xln clc, sl por.		
			ls, ers peld, alg, f/ostrs, m/xln clc, fair por.		
			ls, fn peld, fos frgs, alg, ostr, sl xln clc, stylos; w/anhy & silica.		
			ls, pisos, alg, Spongiostromata, f/ostrs, m/xln clc, sl por.		
			ls, fn peld, fn fos frgs, ostrs, alg, anhytc loc, sl por.		
			ls, fnly foslf, brachs, spcls, cors, argil; sh lams.		
			ls, subchky, fnly foslf, brach, crins, spcls, dolotc.		
			Dolo, subchky, argil, anhytc, condonts?		
			ls, fnly foslf, argil, anhy xls.		
			ls, dns, argil, fnly foslf, sl slty.		
			ls, fnly foslf, bryons, argil.		
			ls, fnly foslf, crins, bryons, argil.		
			ls, fnly foslf, brachs, spcls, argil, sl slty, silc.		