

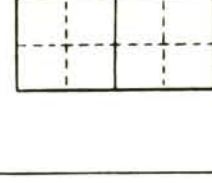
# Northwest Geological Service



LOG NO. 125

COMPANY **SHELL OIL COMPANY** LEASE AND NO. **1 GOV'T 0451(PINE UNIT)**

STATE OR PROVINCE **MONTANA** COUNTY **WIBAUX** AREA **PINE**



LOCATION **SW SW NE** SEC. **30** T. **12 N.** R. **57 E.** GRND. ELEV. **2719'** K.B. **2731'**

TOTAL DEPTH **9746'** SPUDED **7-8-51** COMPLETED **1-29-52**

REMARKS: **L.P.P. 276 B.O.P.D. (Ord., 8912'-8956')**

Photo Enlargement X 10.

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

GAMMA RAY	DEPTH TESTING	PHOTO - LOG	NEUTRON	REMARKS
	7100			Slst, calc, w/thin beds ls; s/ acicular anhy.
				Anhy, dolote, sl slty, w/dolo & ls, argil.
				Ls, argil, slty, strks ools, anhy incls, tr ss.
				Ls, dns to chky, dolote, argil, slty, ools, ostr, anhy incls.
				Anhy, acicular, tr ls.
	2			Ls, dns, anhy xls, w/sh lams.
	4			Ls, sl foslf, brach, spcls, crin.
				Ls, dns, anhy xls, w/sh lams.
				Ls, dns, fos frgs; strk ool @ 7187
				Dolo, argil, intel and strks anhy.
	5			Anhy, acicular.
				Dolo, argil, slty.
				Anhy, acicular, intel dolo, pyr.
				Dolo, argil, sl slty, anhy incls.
				Anhy, acicular, tr ls, oolte.
				Ls, dns, fn fos frgs, anhy incls.
				Ls, dns, fn fos frgs, tr ools, anhy incls.
				Ls, dns, fn fos frgs, intel anhy, tr ools.
				Dolo, argil, sdy incls anhy.
	6			Anhy, acicular, f/calc lams.
				Ls, sl peld, f/fos, ostr, m/ metasomatic anhy.
				Anhy, dolote.
				Dolo, argil, slty and sdy, intel anhy, pyr.
				Dolo, dns, argil, slty, anhytc.
				Anhy, intel dolo.
				Ls, dns, f/fos frgs, pyr, intel anhy and dolo.
				Anhy, acicular, w/ls, dns, fn fos frgs, tr ools, pyr.
				Ls, dns, anhy xls, pyr, intel anhy.
				Ls, dns, argil, dolote, intel anhy.
				Ls, dns to chky, fn fos frgs, c-ltc, argil, dolote, ch ncls.
	7			Ls, argil, tr fn fos frgs, dolote.
				Dolo, argil, fn fos frgs, ostr, conodonts, pyr.
				Ls, foslf, brach, ostr, crin, spcls.
				Ls, foslf, argil, cors.
	3			Ls, foslf, spcls, brach, crin, argil.
				Ls, foslf, crin, brach, bryon, argil.
				Dolo, v argil, calc m/conodont frgs.
				Ls, fos frgtl, bryon, crin.
	8			Ls, sl peld, fn fos frgs, algae? sl por.
				Ls, dns, fn fos frgs, anhy xls.
				Dolo, argil, intel anhy; @ 7192 strk ls, algae tubes, sec anhy.
				Ls, dns, fn fos frgs, ostr argil.
	9			Dolo, chky, argil, anhy xls w/ anhy.
				Ls, c-c, anhytc.
				Anhy, acicular, intel, & strks dolo and ls.
	4			Ls, fn peld, fn fos frgs.
				Ls, fnly foslf, crin, argil.
				Ls, foslf, crin, cor, brach.
	6			Dolo, chky, lchd fos frgs rpl by anhy xls, por.
				Ls, c-c, f/ools, f/fos frgs, dolote, sl por.
				Ls, chky, fnly foslf, dolote.
				Ls, c-c, f/fos frgs, ostr, f/ools, m/chky ls and dolo, tr ss, sl por.
				Ls, sl foslf, c-cte, dolote, sl por.
				Ls, foslf, crin, brach, bryon, dolote, anhy xls, sl por.
				Ls, foslf, bryon, crin dolote.
				Ls, sl peld, foslf, bryon, crin, stylo.
				Ls, foslf, bryon, crin, brach argil.
				Ls, foslf, cro, bryon, sl silc, argil.
				Ls, dns, sl foslf, bryon, crin, spcls, argil.
				Ls, dns, foslf, bryon, crin, spcls.
				Ls, dolote, foslf, tr sdy dolo.
				Ls, foslf, argil, s/dolo, dns.
				Ls, foslf, dolote, argil.
				Ls, foslf, argil.
	7			Ls, foslf, argil, strks c-c, ools, por loc.
				Ls, foslf, strks c-c.
				Ls, foslf, dolote, strks ls, c-c and dolo, gran, sl por.
				Ls, c-c, ool, fos frgs, xln clc, por, strks ls, foslf.
				Ls, c-c, ool, xln clc, por, strks ls, foslf.
				Ls, c-c, ools, xln clc, por, s/ls, foslf.
				Ls, chky, foslf, dolote.
	8			Ls, dolote, sl foslf, brachs, sl silc.
				Ls, fos frgtl to sl foslf, argil, sl dolote.
				Ls, c-1, foslf, argil.
				Ls, c-c, fos frgs, pyr.
				Ls, dolote, sl foslf, anhy xls, sl por.
				Ls, c-c, intbd ls, dolote, foslf.
				Ls, dolote, foslf, intbd ls, c-c, ools, anhy mat loc, sl por.
				Ls, oolte, c-cte, xln clc, tr xln anhy, strk ls, dolote, por.
				Ls, c-1 to c-c, ools, s/xln anhy mat, strk ls, dolote, por.
				Ls, c-1 to c-c, clc mat, strks ls, foslf, dolote, sl por.
				Ls, c-c, f/ools, clc and anhy mat, strk ls, dolote por.
				Ls, c-1 to c-c, tr silt grs, foslf, strks ools.
				Ls, c-1 to c-c, ools, argil, pyr, fos frgs, strks ls, dolote.
				Ls, c-1, argil, strks ls, dolote, argil, fos frgs.
				Ls, c-1, foslf, argil, strks ls, argil.
				Ls, argil, c-ltc, sl dolote.
				Ls, c-ltc to c-cte, sl foslf, argil w/ls, argil.
				Ls, c-ltc, argil w/ls, dns, argil.
				Ls, c-1, fos frgs, argil.
				Ls, argil, dolote, fos frgs strks foslf, c-cte ls.
				Ls, fos frgtl, brach, crin, bryon, c-1 mat, sl silc.
				Ls, dns, foslf, brach, crin, bryon, sl silc.
				Ls, c-1, foslf, brach, bryon, argil.
				Ls, dns, argil, fos frgs, pyr.
	16			Ls, fos frgtl, brach, argil, sl silc.
				Ls, dns, argil, strks ls, fos frgtl.
				Ls, argil, dolote, strks ls, c-1.
				Ls, c-1, fos frgs, argil.
				Ls, dns, f/fos frgs, argil, strks c-1, foslf.
				Ls, dns, argil, f/fos frgs, strks c-1.
				Ls, argil, spcls, strks c-1, slty.
				Ls, argil, fos frgs, pyr.
				Ls, dns, argil, brach, bryon, pyr.
				Ls, dns, foslf, bryon, crin, argil, silc, w/ch, pyr.
				Ls, dns, foslf, crin, cor, brach, argil.
				Ls, dns, argil, foslf, sl silc, pyr.
				Ls, dns, silc, argil, foslf, w/ch.
				Ls, dns, argil, foslf, bryon, crin.
				Ls, argil, foslf, crin, bryon.
				Ls, dns, foslf, argil, glauc.
				Dolo, slty & sdy, m/brn, chit frgs, chara?