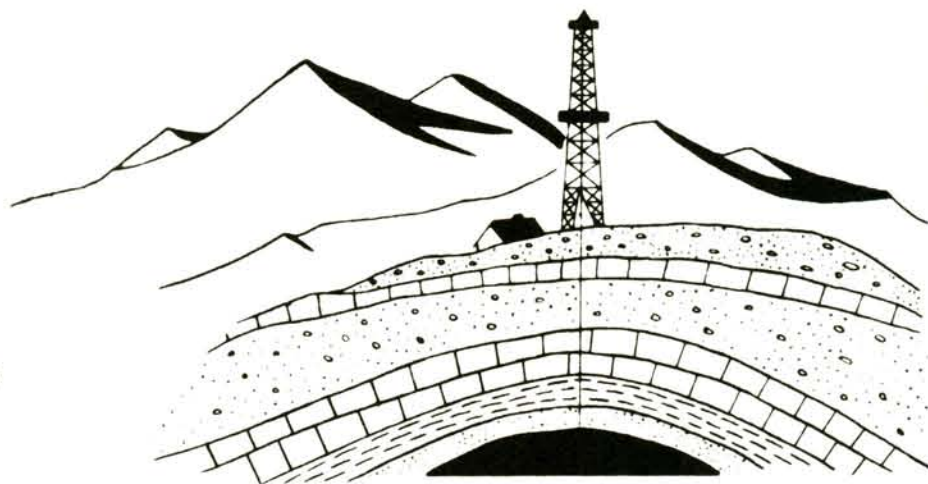


Northwest Geological Service



LOG NO. 100

COMPANY WILLISTON BASIN EXPLORATION CO. LEASE AND NO. #1 THUNDERBIRD

STATE OR PROVINCE MONTANA COUNTY PHILLIPS AREA _____



LOCATION C NW NW SEC. 4 T. 23 N. R. 30 E. GRND. ELEV. 2500' K.B. 2508

TOTAL DEPTH 4292' SPUNDED 8-12-52 COMPLETED 9-8-52

REMARKS: Photo Enlargement X10

GEOLOGIC SECTION MISSISSIPPIAN: Mission Canyon

DATE OCT. 1960

S - P	DEPTH TESTING	PHOTO - LOG	RESISTIVITY	REMARKS
				Ls, crypto, mottled, argil, foslf, pyrtc. Dolo, microgran, argil, gd vug por w/s/clc infilling; Ls, crinal, argil. Ls, c-c to c-r, fos frgs, crin, fair vug por.
				Ls, fos frgtl, crin, dolotc, fair vug por; @4060-62, dolo, gran, lchd, fos frgs, crin?, gd por. Ls, fos frgtl, crin, sl vug por
	4100			Ls, c-etc, fos frgs, crin, bryo? sl argil, fair por.
				Ls, fos frgtl, crin, argil.
				Ls, fos frgtl, crin, dolotc, argil, poor vug por.
				Ls, fos frgs, crin, dolotc, argil.
				Ls, fos frgtl, crin, argil.
				Ls, fos frgtl, crin, bryo; strks argil cont. Ls, dns, fos frgs, crin, bryo, argil, clc infilling.
				Ls, fos frgtl, crin, argil.
				Ls, dns, fos frgs, crin, bryo?, ostr?, argil.
				Ls, dns to fos frgtl, crin, ostr, argil.
	4200			Ls, c-etc, fos frgs, crin, ostr, forams?
				Ls, fos frgtl, crin, ostr, argil @4202-04, Dolo, microgran, fn fos frgs, crin, w/argil incl.
				Ls, fos frgs, crin, sl argil.
				Ls, gran, fos frgs, crin, brach, sl dolotc.
				Ls, microgran, fos frgs, crin, brachs, sl dolotc; @4223-25, Ls, dns, fn fos frgs, crin, ostr, argil.
				Ls, microgran, fn fos frgs, crin, dolotc.
				Ls, fos frgtl, crin, bryo, poor vug por. Ls, microgran, fos frgs, crin, brachs?, sl argil.
				Ls, gran, fos frgs, crin, dolotc argil, sl vug por; @4270 1/2-75, cor w/sec silica.
				Ls, fos frgtl, crin, sl argil.
	4300			Ls, dns to microgran, fn fos frgs, sl argil.