

Northwest Geological Service



LOG NO. 267

COMPANY **CARDINAL PETROLEUM CORP.** LEASE AND NO. **JOYES # 1**
 STATE OR PROVINCE **MONTANA** COUNTY **SHERIDAN** AREA **LONE TREE**
 LOCATION **SE SE** SEC. **17** T. **37N** R. **57E** GRND. ELEV. **2164' KB 2175'**
 TOTAL DEPTH **6545'** SPUDED **4-22-64** COMPLETED **5-6-64**
 REMARKS: **Photo Enlargement X 10**

GEOLOGIC SECTION **MISSISSIPPIAN: Charles** DATE **Aug. 1964**

GAMMA	Depth Testing	PHOTO LOG	RESISTIVITY	REMARKS
	5900			Ls, dns, sl argil, strks dolo, slty, argil.
				Dolo, chky, argil, slty, anhytc, sl chky por, strks sh.
				Dolo, dns to subchky, argil, anhytc, sl slty, strks sh.
				Dolo, subchky, argil, sl slty, sl chky por, strks sh & salt.
				Dolo, as abv.
				Ls, dns, intcl anhy & salt.
				? Salt, strks ls & dolo, tr glaucte ls.
				Ls, dns to subchky, w/salt & anhy incls.
				Ls, subchky, sl argil, salt incls.
				Ls, dns, sl argil, w/anhy & salt incls.
				Ls, dns to subchky, argil, w/salt incls.
				Ls, dns, sl argil, sl slty, salt & anhy incls.
				? Salt.
				? Salt, strks ls.
				? Salt, intbd ls, subchky, tr fos frgs.
				Ls, dns, argil, sl slty, tr fn fos frgs.
				Ls, dns to subchky, salt incls.
				Ls, subchky, argil, sl slty.
				Ls, subchky, argil, sl slty, tr ools, salt incls.
				? Salt intel anhy argil.
			Anhy, dns, argil, strks sh, argil ls & dolo.	
			Anhy, acicular, dns intel ls & dolo.	
			Anhy, acicular, dns, dolotc, sl slty intel dolo.	
			? Anhy, acicular, dns, dolotc, intel salt.	
			? Salt, intel anhy & dolo.	
			Ls, argil, silc, salt incls, s/ch.	
			Ls, argil, dolotc, silc grdg to dolo, s/ch & anhy.	
			Ls, subchky, argil, dolotc.	
			Ls, argil, anhy xls & incl, psbl salt incls, tr ch.	
			? Salt, strks ls, dns, argil.	
			Anhy, dns, argil, salt incls.	
			Anhy, dns, argil, intel salt, tr ls, argil.	
			Ls, argil, anhytc, s/fn c-c, intel salt & anhy.	
			Anhy, argil, strks ls, argil.	
			Anhy, argil, salt incls, strks ls, argil, sdy.	
			Ls, argil, anhy xls, fn fos, frgs.	
			Ls, argil, subchky, fn fos frgs, sl dolotc, sl por.	
			Anhy, argil, intel dolo, f/silica ndls.	
			Ls, subchky, argil, fn fos frgs, spcls, tr calcisphaeres.	
			Ls, alg, frgtl, piso, w/incls fn fos frgs, sl por.	
			Ls, inly-frgtl, alg frgs, w/xln clc, s/alg, sl por.	
			Anhy, argil, sl dolotc.	
			Ls, dtrl, alg frgs, ools, piso, s/alg, c-etc loc, w/xln clc, sl por.	
			Ls, as abv, intbd ls, chky, dolotc, argil, fn fos frgs, brach?, sl por.	
			Ls, chky, mud, dolotc, f/strks ls, dtrl, fair chky por.	
			Ls, mud, subchky, sl dolotc, fnly peld loc, fn fos frgs, ostr & alg, sl por, strks ls, dtrl, ools.	
			Ls, mud, subchky, sl dolotc, tr fn fos frgs, tr anhy xls, sl por.	
			Ls, mud, subchky, sl peld, tr dtrl, s/xln clc, calcisphaeres, sl por.	
			Ls, mud, subchky f/calcisphaeres, sl dolotc, sl por, f/sh lams.	
			Ls, as abv, m/calcisphaeres.	
			Ls, argil, subchky, dolotc, m/sh lams.	