Northwest Geological Service

LOG NO. 193

COMPANY SIGNAL DRILLING & EXPLORATION LEASE AND NO. #1 JOHNSON

STATE OR PROVINCE MONTANA COUNTY SHERIDAN AREA DAGMAR

LOCATION SW SE SEC. 8 T. 33 N. R. 57 E GRND ELEV. 2165 KB 2176

TOTAL DEPTH 9089 SPUDDED 9-30-62 COMPLETED 11-11-62

REMARKS Photo Enlargement X10

GEOLOGIC SECTION MISSISSIPPIAN: Charles, Mission Canyon, Ladepole DATE Jan. 1963

GAMMA	Depth Testing	PHOTO LOG	LITHOLOGY	REMARKS
	6000			Slst,argil,sdy,sdstc,w/anhy & salt incls.
				Salt w/sh.
				Salt w/ls & anhy.
	6500			Salt,w/ls,dolo & anhy.
				Salt.
				Salt w/dolo,slty & slst.
	7000			Salt w/dolo,argil,slty.
				Salt w/dolo,slty & anhy.
				Salt w/anhy & ls,argil.
				Salt w/ls & anhy
				Salt.
				Salt w/ls & dolo.
				Salt w/argil,dolo,anhy & ls.
	7500			Salt w/argil dolo & anhy tr sd grs.
				Salt w/argil dolo & anhy.
				Salt w/argil anhy & dolo.
				Ls dom.
				Ls,dom,argil,anhy & salt incls.
	7600			Ls,dom,argil,tr fos frgs,sl slty.
				Ls,dom to sdstdy,tr fn fos frgs.
				Ls,argil,f/oolx,fn fos frgs, anhy xln,sl slty.
				Anhy,sdstdy,strks ls,salt incls.
				Ls,dom,argil,tr cvn & c-1,sl slty,anhy & salt incls.
				Anhy,dom,argil w/argil dolo & ls.
				Anhy,dom,argil,sdy w/argil ls & dolo.
				Anhy,dom,argil,strks ls,argil fn fos frgs.
				Salt w/anhy & dolo.
	7700			Ls,dom,argil,tr fos frgs w/ anhy & salt.
				Ls,dom,argil,tr fos frgs, anhy xln,salt incls.
				Anhy,dom,argil,sdy,strks ls, argil,fn fos frgs.
				Ls,argil,tr fn fos frgs,w/ dolo,slty.
				Ls,argil,sfn c-c,strks anhy salt incls.
				Anhy,dom,argil strks dolo,slty.
				Ls,argil,v fn fos frgs,intcl anhy & salt.
				Anhy,argil,slty.
	7800			Anhy,dom,argil,dolstc,sl slty.
				Ls,dom,argil,v fn fos frgs, intcl anhy.
				Anhy,dom,argil,dolstc,slty w/ slst,dolst,tr ls.
				Anhy,argil,slty,tr ls,argil.
				Anhy,dom,argil,slty,strks ls, argil.
				Ls,dom to chsy,argil,f/fos frgs w/anhy.
				No Recovery.
				Ls,chsy,dolstc,anhy,no,fair chsy por.
				Ls,argil,tn fos frgs,epcls, Ls,fnly foslf,bryon,crin, calcisphaera,conodonts,r-tcs, sl por.
				Ls,argil,fn fos frgs,bryon,crin, bnch,tr foram,sl por.
				Ls,fnly foslf,epcls,bryon, bnch,argil,sl por.
				Ls,fn pelf,sdstc,w/slt sls,fair por.
				Ls,mud,fn pelf,f/ostr,calc-claymore,w/slt chs,sl por.
				Ls,mud,faint pelf,tr fn fos frgs,strks ls,fnly foslf argil.
				Ls,argil,fnly foslf,bnch, crin.
				Ls,fnly foslf,bryon,crin, tr foram,argil,sl sdic.
	7900			Ls,argil,fnly foslf,bnch, bryon,sl slty & sdy.
				Ls,foslf,bnch,bryon,argil.
				Ls,fos frgl,bryon,bnch, crin,cor,argil,sl sdic.
				Ls,fos frgl,argil.
				Ls,fos frgl,bnch,epcls, crin,argil.
				Ls as abv.
				Ls,fos frgl,bryon,crin, bnch argil.
	8000			Ls,fos frgl,crin,bryon,sl por.
				Ls,fos frgl,crin,argil,sl sdic,sl por.
				Ls,fos frgl,crinal,bryon, crin,fair por.
				Ls,fn foslf,bryon,crin,bnch argil.
				Ls,argil,fos frgl,cn & bnch.
				Ls,fos frgl,crinal,bryon, argil,bnch,sl sdic,sl por.
				Ls,fos frgl,bryon,crin, argil loc,sl por.
	8100			Ls,fnly foslf,crin,bnch, argil.
				Ls,fnly foslf,bryon,bnch, crin,argil.
				Ls,fnly foslf,bryon,epcls, bnch,argil,sl sdic.
				Ls,fnly foslf,bryon,argil,sl sdic,sl/ch.
				Ls,foslf,bryon sl sdic,argil.
	8200			Ls,fos frgl,crin,bryon, argil loc,sl sdic,sl/ch.
				Ls,foslf,bryon,crin,argil.
				Ls,fos frgl,crin,bryon, argil loc,pell sl por.
				Ls,foslf,bryon,crin,argil.
				Ls,foslf,bryon,crin,sdstdy, argil,pell sl por.
				Ls,argil,fnly foslf,bnch, crin,epcls,sl/ch.
				Ls,argil,fnly foslf,bryon, epcls sl/ch.
				Ls,argil,fnly foslf,epcls, bryon,sl/ch.
				Ls,fnly foslf,epcls,bnch, argil,sl/ch.
				Ls,fnly foslf,epcls,bryon, argil,tr sd grs tr anhy xln.
				Ls,fos frgl,crin,tr sdic,sl vug por,strks ls,argil.
				Ls,fos frgl,crin,tr sdic,sl sdy.
				Ls,fnly foslf,epcls,argil, sdic,sl sdy.
				Ls,fnly foslf,epcls,bryon, argil,tr sd grs tr anhy xln.
				Ls,fnly foslf,epcls,crin, bryon,argil,sl sdic,sl sdy.
				Ls,fnly foslf,bryon,epcls, argil,sdic.
				Ls,argil,fn fos frgs,epcls, f/salt grs.
				Ls,fos frgl,epcls,bryon, argil,sdic,s/ch.
				Ls,fnly foslf,epcls,bryon, argil,tr sdic,s/ch.
				Ls,fnly foslf,epcls,argil,tr sdic,s/ch.