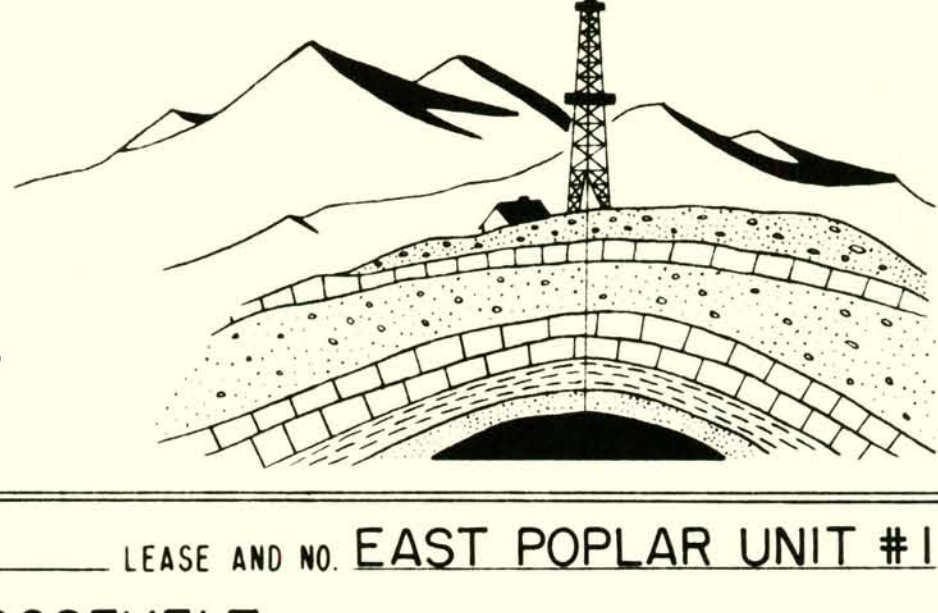


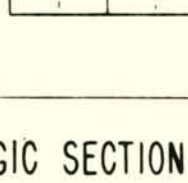
Northwest Geological Service



LOG NO. 26

COMPANY **MURPHY CORPORATION** LEASE AND NO. **EAST POPLAR UNIT #1**

STATE OR PROVINCE **MONTANA** COUNTY **ROOSEVELT** AREA



LOCATION **C SW NE** SEC. **2** T. **28 N.** R. **51 E.** GRND. ELEV. **2111'** K.B. **2123'**

TOTAL DEPTH **9163'** SPUDDED **9-15-51** COMPLETED **2-20-52**

REMARKS: **Salt determined by Microlog. Enlargement X10.**

GEOLOGIC SECTION **MISSISSIPPIAN - CHARLES, MISSION CANYON, LODGEPOLE** DATE **Sept. 1958**

S-P	DEPTH TESTING	PHOTO - LOG	POSIVITY	RESISTIVITY	REMARKS
			N		Sist & anhy
			N		Ls, lith, w/anhy
			N		Dolo, argil, slty, w/anhy
			3		Ls, c-c,ool w/clc & anhy mat, sl intst por; w/ss
			N		Ls, argil, frac w/chky dolo
		NO SAMPLES			
			N		Ls, lith, frac, anhy xls, anhy
		NO SAMPLES			
			N		Dolo, argil, w/anhy
			N		Ls, mud, argil, ostr, w/argil anhy
			N		Salt, w/sdy anhy & ss
			N		Anhy, slty, dolote, w/argil dolo
			N		Dolo & ls, argil, slty, anhy
			N		Anhy, dolote, w/sdy dolo
			6		Dolo, anhytc, calc, gran, w/dns ls
			N		Anhy, dolote
			8		Ls, mud, fnly foslf, c-ctc loc, vug por & chky dolo
			N		Dolo, argil, slty, w/ss
			N		Anhy, dolote, w/dolo
			7		Ls, c-c, intst anhy xls, vugs
			N		Anhy, w/intcl dolo
			N		Dolo, argil, calc, w/anhy filled frac
			N		Anhy, pyrtc & slty ls
			N		Anhy & slty ls lam, anhy filled frac
			N		Ls, chky, dolote, anhytc, por
			N		Anhy & dolo lam
			N		Ls, anhytc, w/anhytc c-1 at top, anhy filled frac
		NO SAMPLES			
			N		Ls, fn fos frgs, ostr, anhytc
			N		Ls, fn fos frgs
			N		Ls, foslf, crin, brach, argil
			N		Ls, dns, hairline sealed frac
			N		Ls, foslf, cor, bryon, crin
			N		Ls, foslf, crin, argil
			N		Ls, foslf, crin, argil
			N		Ls, foslf, crin, stylo
			N		Ls, foslf, crin, argil
			N		Ls, foslf, crin
			N		Ls, foslf, crin, bryon
			N		Ls, foslf, crin, brach, v argil
			N		Ls, foslf, bryon, crin, sl c-1tc, clc vns
			N		Ls, chky, dolote, foslf, bryon, crin
			N		Ls, foslf, crin, argil lam
			L		Ls, crinal, por loc
			N		Ls, fnly foslf, argil
			N		Ls, crinal, argil lam
			N		Ls, fnly foslf, argil
			N		Ls, mud, w/foe, bryon, brach, crin, silc
			N		Ls, crinal, bryon
			N		Ls, fnly foslf, argil
			2		Ls, crinal, sl por
			N		Ls, crinal, silc w/ch
			N		Ls, foslf, silc, argil
			N		Ls, mud, foslf, bryon
			N		Ls, foslf, bryon
			N		Ls, crinal, w/bryons loc
			N		Ls, crinal
			N		Ls, argil, foslf, silc
			N		Ls, argil, dolote, foslf, crin
			N		Ls, foslf, silc w/silica rpl cor
			N		Ls, fnly foslf, silc
			N		Ls, argil, foslf, silc
			N		Ls, foslf, argil, silc
			N		Ls, foslf, argil
			N		Ls, argil, fnly foslf, silc
			N		Ls, crinal
			N		Ls, foslf, crin, cor
			N		Ls, argil, fnly foslf
			N		Ls, argil, fnly foslf, clc filled frac
			N		Ls, argil, sl foslf, prtly filled clc frac
			N		Ls, argil, dns
			N		Ls, argil, dns
			N		Ls, argil, dns
			N		Ls, argil, dns
			N		Ls, mud, fnly foslf
			N		Ls, mud, fn fos frgs, stylos
			N		Ls, v argil, sl foslf, grdg to sh
			N		Ls, v argil, w/sh lam
			N		Ls, argil, w/sectrd fos frgs
			N		Ls, argil, disem fos
			N		Ls, argil, t/fos frgs
			N		Ls, argil, t/fos frgs
			N		Ls, argil, t/fos frgs
			N		Ls, argil, t/fos frgs
			N		Ls, argil, t/fos frgs, pyr
			N		Ls, argil, t/fos frgs, pyr
			N		Ls, argil, t/fn fos frgs, pyr
			N		Ls, argil, t/fn fos frgs
			N		Ls, argil, pyr
			N		Ls, argil, clc sealed frac
			N		Ls, argil, t/fos frgs, crin, bryon?
			N		Ls, argil, w/fn fos frgs
			N		Ls, argil, t/fos frgs, pyr
			N		Ls, argil
			N		Ls, crinal, argil
			N		Ls, argil, t/fos frgs, pyr
			N		Ls, argil, stratified fn fos frgs
			N		Ls, argil, t/fos frgs, pyr
			N		Ls, argil, t/fos frgs, clc sealed frac
			N		Ls, argil
			N		Ls, argil, clc spheres, frac
			N		Ls, argil, fn stratified fos frgs
			N		Ls, argil
			N		Ls, argil, pyr
			N		Ls, argil, fn fos frgs
			N		Ls, argil, fnly slty, foslf, pyr
			N		Sh, fnly slty