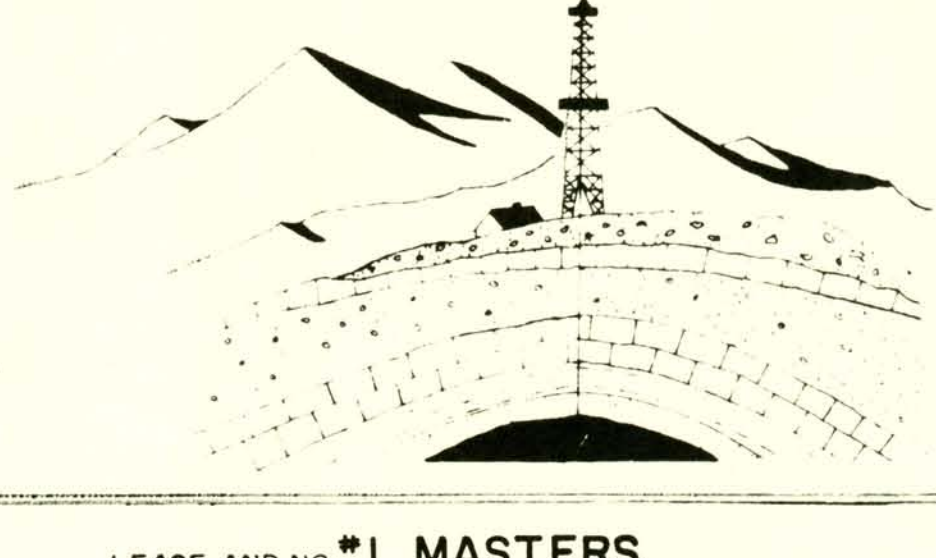


Northwest Geological Service



LOG NO 218

COMPANY JUNIPER OIL & MINING CO.	LEASE AND NO *1 MASTERS
STATE OR PROVINCE MONTANA	COUNTY ROOSEVELT AREA _____
LOCATION C SW NW SEC 19 T 31N R 54E	GRND. ELEV 2210 KB2222
TOTAL DEPTH 10,969	SPOUDED 10-5-59 COMPLETED 7-29-59
REMARKS Photo Enlargement X 10	

GEOLOGIC SECTION **MISSISSIPPIAN: Charles, Mission Canyon, Lodgepole** DATE **Aug. 1963**

DEPTH	GAMMA RAY	PHOTO LOG	LATEROLOG	REMARKS
6900		++		Salt.
7000		++		Salt w/sh, tr anhy.
7100		++		Salt.
7200		++		Anhy, acicular, dns, strks ls, argil.
7300		++		Dolo, gran, v slty, anhytc w/ salt.
7400		++		Salt.
7500		++		Dolo, gran, v slty, tr ls, oolite, salt incls.
7600		++		Ls, dns, argil, salt incls.
7700		++		Anhy, acicular, dns, strks ls, argil.
7800		++		Ls, argil, salt incls, strks anhy.
7900		++		Anhy, dns, w/ argil lams.
8000		++		Ls, subchky, slty loc, sl dolote, salt incls.
8100		++		Ls, dns, sl argil, salt incls.
8200		++		Ls, dns, argil, sl slty loc, salt incls.
8300		++		Ls, dns, argil, salt incls.
8400		++		Salt.
8500		++		Ls, subchky, salt incls.
8600		++		Ls, dns, sl argil.
8700		++		Ls, subchky, argil, tr slt, salt incls.
8800		++		Ls, subchky, salt incls, f/oolite.
8900		++		Dolo, gran, v slty, argil.
9000		++		Anhy, dns, argil, dolote, strks sh.
9100		++		Anhy, dns, argil, sl sdy, dolote.
9200		++		Salt, strks sh.
9300		++		Anhy, argil, sdy, dolote, w/ salt.
9400		++		Ls, subchky, dns, anhy & salt.
9500		++		Ls, dns, argil, tr fn fos frgs, salt & anhy incls.
9600		++		Ls, dns, argil, fn fos frgs, salt incls.
9700		++		Ls, dns, argil, tr fos frgs, spcls, salt incls, tr ch.
9800		++		Ls, dns, argil, salt incls.
9900		++		Ls, dns, argil, fn fos frgs, s/ anhy.
10000		++		Ls, dns, argil, salt incls, tr spcls.
10100		++		Ls, argil, v fn fos frgs.
10200		++		Anhy, dns, argil, sl slty.
10300		++		Anhy, dns, argil.
10400		++		Salt.
10500		++		Ls, argil, sl slty, f/ fos frgs, anhytc loc, anhy incls, pabl salt.
10600		++		Ls, dns, argil, tr fos frgs, anhytc loc, pabl salt incls.
10700		++		Anhy, dns, argil, sl slty, strks ls, argil.
10800		++		Ls, dns, argil, anhytc, sl slty, strks anhy.
10900		++		Ls, fnly foslf, subchky, calcis-phaeres, argil, dolote, sl por.
11000		++		Ls, argil, fnly foslf, crin, dolote, sl por.
11100		++		Ls, argil, subchky, fn fos frgs, dolote.
11200		++		Ls, argil, chky, fn fos frgs, dolote, sl por.
11300		++		Ls, v argil, foslf, brach.
11400		++		Ls, argil, foslf, spcls, tr foram, crin.
11500		++		Ls, foslf, argil, tr c-c.
11600		++		Ls, argil, foslf, spcls, crin.
11700		++		Ls, argil, foslf, spcls, crin.
11800		++		Ls, argil, foslf, spcls, bryon, crin, sl silc.
11900		++		Ls, foslf, crin, brach, argil, silc.
12000		++		Ls, argil, foslf, brach, crin, silc, s/ch.
12100		++		Ls, dns, fn fos frgs, spcls, sl argil.
12200		++		Ls, foslf, spcls, crin, argil, s/ch.
12300		++		Ls, argil, foslf, spcls, silc s/ch.
12400		++		Ls, foslf, crin, brach, silc, s/ch.
12500		++		Ls, foslf, bryon, crin, brach, argil, s/ch.
12600		++		Ls, argil, fnly foslf, bryon, spcls.
12700		++		Ls, argil, foslf, bryon, crin, brach.
12800		++		Pyr.
12900		++		Ls, fos frgtl, crin, bryon, argil.
13000		++		Ls, fos frgtl, crin, bryon.
13100		++		Ls, foslf, crin, bryon, argil, silc.
13200		++		Ls, fos frgtl, crin, argil, sl vug por.
13300		++		Ls, fos frgtl, crin, s/chky, argil.
13400		++		Ls, crinal, bryon, argil.
13500		++		Ls, fos frgtl, crin, argil.
13600		++		Ls, fos frgtl, crin, s/chky ls.
13700		++		Ls, fos frgtl, crin, s/argil, dns.
13800		++		Ls, crinal, argil, sl slty.
13900		++		Ls, argil, subchky, fn fos frgs, s/crinal ls.
14000		++		Ls, foslf, crin, argil, strks ls, dns.
14100		++		Ls, argil, fnly foslf, spcls.
14200		++		Ls, argil, fnly foslf, spcl.
14300		++		Ls, argil, foslf, spcls, brach, crin.
14400		++		Ls, argil, fn fos frgs, s/foslf.
14500		++		Ls, dns, argil, fn fos frgs, strks foslf ls.
14600		++		Ls, fnly fos frgtl, crin, argil, v silc, sl chky & vug por.
14700		++		Ls, fnly foslf, crin, argil, silc, sl dolote, sl por.
14800		++		Ls, fnly fos frgtl, crin, spcls, gran, silc, dolote, sl por.
14900		++		Ls, argil, fos frgtl, crin, silc.
15000		++		Ls, argil, fnly foslf, spcls, silc, s/ch.
15100		++		Ls, argil, foslf, spcls, crin, silc, s/ch.
15200		++		Ls, dns, argil, sl slty, tr fn fos frgs.
15300		++		Ls, argil, dolote, silc, f/spcls.
15400		++		Ls, argil, silc, m/spclr ch.
15500		++		Ls, v silc, argil, dolote, spcls, spclr ch.
15600		++		Ls, argil, fnly foslf, silc, s/ch.
15700		++		Ls, argil, fnly foslf, silc, sl dolote, s/ch.
15800		++		Ls, argil, fnly foslf, sl silc.
15900		++		Ls, foslf, crin, brach, argil, silc, pyr, s/ch.
16000		++		Ls, dns, argil, tr fos frgs, pyr, f/ch ndls.
16100		++		Ls, v silc, argil, spcls.
16200		++		Ls, argil, fn fos frgs, dolote.
16300		++		Ls, argil, dns, fn fos frgs, pyr