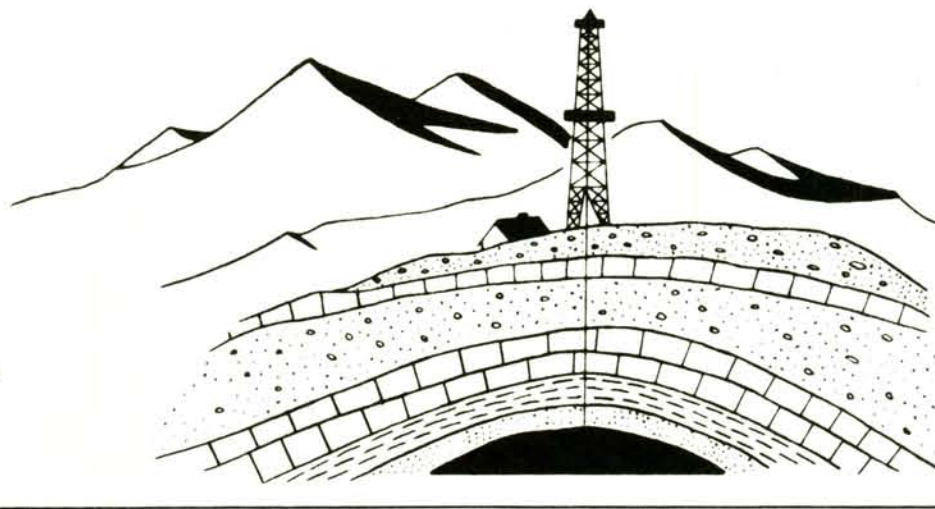


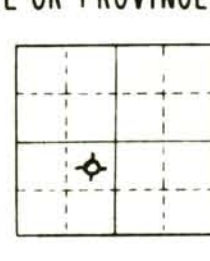
Northwest Geological Service



LOG NO. 88

COMPANY MULE CREEK OIL COMPANY LEASE AND NO. # 1 GOVERNMENT

STATE OR PROVINCE MONTANA COUNTY BLAINE AREA COW CREEK



LOCATION C NE SW SEC. 23 T. 26N. R. 20E. GRND. ELEV. 3454' K.B. 3464'

TOTAL DEPTH 6025' SPUNDED 7-31-56 COMPLETED 9-15-56

REMARKS: Photo Enlargement X 10.

GEOLOGIC SECTION MISSISSIPPIAN: Mission Canyon, Lodgepole DATE JUN, 1960

| GAMMA RAY | DEPTH TESTING | PHOTO - LOG | NEUTRON | REMARKS |
|-----------|---------------|-------------|---------|--|
| | 420 | | | Sh, fsl to lmpy, sl calc, mic, strikes marl |
| | | | | Ls, dns, f/fof frgs, ostrs, crins, silc w/ch |
| | | | | Dolo, gran, foslf, crins, lch, bryons?, gd por |
| | | | | Dolo, chky, foslf, crins, calc w/ch |
| | | | | Ls, foslf, crins, bryons?, Mizzi?, microgran, dolotc, sl por |
| | | | | Ls, subchky, f/fof, crins, dolotc, sl por |
| | | | | Ls, chky, f/fof frgs, crins, dolotc, pyr, sl por |
| | | | | Ls, fos frgtl, crins, silc, qtz xls, fair por |
| | | | | Dolo, microgran, f/fof casts, por |
| | 4300 | | | Ls, microgran, v dolotc, f/fof, crins, sl silc, grd to dolo |
| | | | | Ls, c-ctc, fos frgs, crins, bryons, sl por |
| | | | | Dolo, microgran, foslf, calc, sl c-ctc, lch, fair por |
| | | | | Ls, subchky, sl foslf, crins, bryons, brachs, sl dolotc, pyr, sl por |
| | | | | Ls, microxln, sl foslf, crins, dolotc, sl por |
| | | | | Ls, c-ctc, foslf, crins, bryons, sl por |
| | | | | Ls, subchky, sl foslf, crins, bryons, brachs, sl por |
| | 4400 | | | Ls, subchky, sl foslf, crins, bryons, cors, sl por |
| | | | | Ls, dns, pyr |
| | | | | Ls, dns, foslf loc, crins, pyr |
| | | | | Dolo, microgran, calc, sl foslf, silc loc, sl por |
| | | | | Ls, microgran, sl foslf, crins, v dolotc, sl por |
| | | | | Ls, chky, sl foslf, crins, dolotc, sl por |
| | 4500 | | | Dolo, microgran, f/fof, crins, lch, silc loc, por |
| | | | | Dolo, microgran, f/fof, crins, lch, sl silc, por |
| | | | | Dolo, microgran, crins, silc loc, por |
| | | | | Ls, crinal, gran, dolotc, por |
| | | | | Ls, crinal, gran, dolotc, por |
| | | | | Dolo, microgran, f/fof, por |
| | | | | Ls, dns to chky, f/fof, sl c-ctc dolotc, sl por |
| | 4600 | | | Dolo, microgran, f/fof, crins, por |
| | | | | Ls, sl c-ctc, foslf, gran, dolotc, sl por |
| | | | | Ls, dns to chky, f/fof, bryons, sl dolotc |
| | | | | Dolo, microgran, sl foslf, crins, por |
| | | | | Ls, dns, sl foslf, ch |
| | | | | Ls, dns to microxln, clc vns, f/crins, pyr |
| | | | | Ls, dns to microxln, crins loc, pyr |
| | 4700 | | | Ls, dns to microxln, tr fos, dolotc |
| | | | | Ls, dns to microxln, f/fof, dolotc |
| | | | | Ls, dns to microxln, f/fof frgs dolotc |
| | | | | Ls, dns, f/fof frgs, argil loc, clc vns |
| | | | | Ls, dns, argil, fos frgs |
| | | | | Ls, dns, argil, fos frgs |
| | 4800 | | | Ls, dns, argil, fos frgs, bryons, brachs |
| | | | | Ls, dns, argil, tr slt, fn pyr |
| | | | | Ls, dns, argil, tr slt, strks fos frgs, pyr |
| | | | | Ls, dns, argil, f/fof frgs, pyr, clc vns |
| | | | | Ls, dns, argil, f/fof frgs, pyr |
| | 4900 | | | Ls, dns, argil, pyr |
| | | | | Ls, dns, argil, foslf loc, pyr |
| | | | | Ls, dns, argil, f/fof frgs, pyr |
| | | | | Ls, foslf, dns, argil, sl c-ctc, pyr |
| | | | | Ls, dns, argil, pyr, sl silc, f/fof frgs |
| | | | | Ls, dns, argil, tr fos frgs |
| | 5000 | | | Ls, dns, argil, tr fos frgs |
| | | | | Ls, dns, argil, f/fof frgs |
| | | | | Ls, dns, argil, sl silc, fn fos frgs |
| | | | | Ls, dns, argil, silc, fos frgs |
| | | | | Ls, dns, argil, fos frgs, silc, ch |
| | | | | Ls, dns, argil, fn fos frgs, pyr |
| | | | | Ls, dns, argil, fn fos frgs |
| | 5100 | | | Ls, dns, argil, fos frgs, bryons, pyr |
| | | | | Ls, dns, foslf, pyr |
| | | | | Ls, dns, argil, f/fof frgs |
| | | | | Ls, dns, argil, f/fof frgs |
| | | | | Ls, dns, argil, fos frgs, bryons |
| | 5200 | | | Ls, dns, argil, sl silc, tr fos frgs, pyr, ch |
| | | | | Ls, dns, argil, spels, fn pyr |
| | | | | Ls, dns, argil, sl foslf |
| | | | | Ls, foslf, dns, Chara?, pyr |