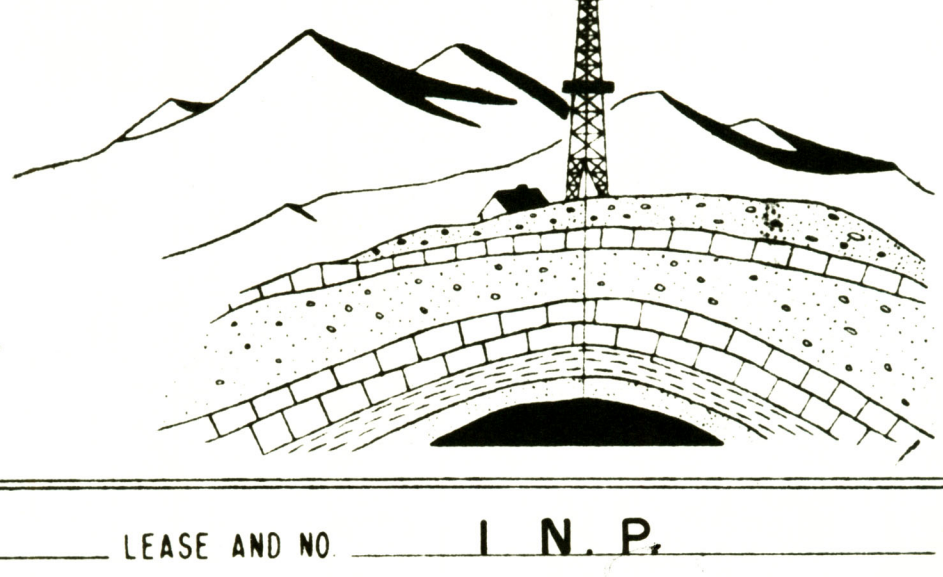


# Northwest Geological Service

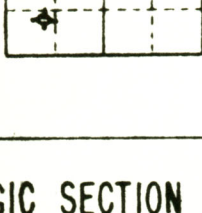
25 025 05 318



LOG NO. 150

COMPANY **E. C. JOHNSTON COMPANY** LEASE AND NO **I. N. P.**

STATE OR PROVINCE **MONTANA** COUNTY **FALLON** AREA



LOCATION **NE SW SW SEC. 19 T. 8 N. R. 61 E. GRND. ELEV. 3132' K.B. 3145'**

TOTAL DEPTH **9515'** SPUDDED **6-3-55** COMPLETED **7-22-55**

REMARKS: **Photo Enlargement X 10.**

GEOLOGIC SECTION **MISSISSIPPIAN: Charles, Mission Canyon, Lodgepole** DATE **JAN, 1962**

DRILLING TIME in Ave. Mins. Per Foot	DEPTH FEET	PHOTO - LOG	NO LOGS RUN	REMARKS
	20			Sh, silty, calc & dolotc, w/incl. anhy; intbd ls & dolot; tr ch.
	7100			ls, dns, argil, anhy incl, silty loc; ls, oolite & anhy, acicular silty, w/ool.
	7500			Anhy, acicular, w/intel silty dolot; dns, oolite ls. Anhy, acicular; ls, subchky, sl silty, sl dolotc. ls, dns, w/anhy incl; acicular anhy. ls, dns, w/anhy incl, tr fos frgs & ool; s; acicular anhy.
	7500			Anhy, acicular, w/intel dolot; dns ls. ls, dns, f/fn fos frgs, ostr, argil; anhy, dns to acicular. Anhy, acicular, w/argil strks, s/incl frgtl dolot; ls, dns & oolite w/fn fos frgs.
	7500			ls, dns, w/anhy incl; ls, mud, fn peld, anhytc; acicular anhy.
	7600			ls, dns, fn fos frgs loc, argil, sl silty, anhy incl. ls, dns tr fos frgs, argil, sl silty, w/intel anhy, acicular to dns, silty. Anhy, dns to acicular, argil, dolotc & silty loc; ls, dns, fn fos frgs, argil. ls, dns, fn fos frgs, ostr, argil, anhytc; acicular anhy. ls, algal, anhytc; acicular anhy.
	7600			ls, dns, f/fn fos frgs, argil, sl silty; acicular anhy & subchky, argil, anhytc dolot.
	7600			Anhy, dns, sl argil, silty, sl dolotc; s/dolo, dns to subchky, argil, silty. Dolo, subchky, argil, silty, anhy incl loc; s/anhy, dns, argil, dolotc.
	7600			Dolo, chky, calc, fn fos frgs, argil, anhytc, silty, gd por. ls, fos frgtl, crin, bryon, conodonts, argil, tr por.
	7600			ls, dns, fn fos frgs, crin, cor?, foram, argil; s/dolo, subchky, sl dolot, argil. ls, fn fos frgtl, crin, spels, argil, sl silty, sl por.
	7600			ls, as abvs; anhy, acicular, w/intel dolot; s/subchky dolot.
	7700			ls, subchky, dolotc, fn fos frgs, argil, fair por; s/subchky, sl calc dolot. ls, fos frgtl, crin, bryon, spels, ostr, argil.
	7700			ls, fn fos frgtl, crin, bryon, argil, c-ctc loc, dolotc loc.
	7700			ls, dns, fn fos frgs, crin, spels, argil, sl silty.
	7700			ls, dns to c-ctc, fn peld, ostr, argil, dolotc, anhytc; s/acicular anhy. Dolo, subchky, argil, tr silty; intel acicular anhy.
	7700			Anhy, acicular & dns, dolotc, silty; ls, dns to fos frgtl, w/anhy incl.
	7700			Anhy, dns to acicular; w/strike dolot; ls, subchky, dolotc, fn fos frgs.
	7700			ls, subchky, dolotc, c-ctc loc, sl anhytc, argil; s/dns anhy.
	7700			Anhy, dns, sl dolotc; ls, dns, psdo-peld, argil, w/sec anhy incl. Anhy, dns, dolotc; s/ls, c-ctc, fos frgs, ostr, argil, anhytc.
	7700			ls, c-ctc, oolite, w/sec anhy; s/dns, argil anhy.
	7700			Dolo, microgran, sl argil, spels, gd por; s/acicular to dns anhy.
	7700			Dolo & anhy as abv.
	7700			Dolo, chky, f/fos frgs, argil, gd por; s/anhy, dns to acicular, psbl rpl algae.
	7700			Dolo as abv, sl por; s/acicular anhy; ls, c-ctc, fn fos frgs, foram.
	7700			Dolo, subchky, fos frgs, crin, bryon, argil, fair por; s/c-ctc ls & anhy, acicular. Dolo as abv; sl c-ctc ls.
	7700			Dolo, subchky, f/fos frgs, crin, argil, anhytc, fair por; s/c-ctc ls & acicular anhy.
	7700			Dolo, subchky, calc, w/fn fos frgs, crin, argil, sl por; s/acicular anhy.
	7700			Dolo, subchky, fn fos frgs, crin, spels, argil, grdg to dns ls; sl por; s/acicular, dolotc anhy.
	7700			ls, fos frgtl, crin, bryon, argil, dolotc; s/acicular anhy.
	7700			ls, subchky, dolotc, fos frgtl, crin, bryon, argil, grdg to dolot; sl por.
	7700			Dolo, subchky, calc, fn fos frgs, crin, bryon, argil, sl por; s/dns anhy.
	7700			Dolo as abv.
	7700			Dolo, subchky, calc, fn fos frgs, crin, bryon, argil, sl por.
	7700			Dolo, microxln, fn fos frgs, sl anhytc, sl por.
	7700			ls, c-c, oolite, cle mat, tr anhy xls & silica, sl por.
	7700			ls as abv, w/cle mat, fair por; s/dolo, microgran, argil, sl por.
	7700			ls, c-c, oolite, f/fos frgs, cle mat, sl por.
	7700			ls as abv.
	7700			ls as abv, bec dolotc.
	7700			Dolo, microxln, microgran, calc, fos frgs, argil, sl anhytc, sl por; s/fos frgtl ls.
	7700			Dolo & ls as abv, tr ch.
	7700			Dolo, microgran, sl argil, pyrite tr por; s/ls, fnly fossil, & oolite. Dolo, microgran, fossil, crin, bryon, argil, calc, grdg to ls, sl por; s/dns anhy.
	7700			ls, dns to c-ltc, fn fos frgs, argil, dolotc, sl por; s/ls, c-ctc, oolite & peld.
	7700			ls, c-ltc, silty, argil, dolotc, sl por; s/ls, fos frgtl, dolotc, grdg to dolot.
	7700			ls, fn fos frgtl, c-ltc loc, argil, pyrite, dolotc, sl por.
	7700			ls, c-ctc to c-ltc, fos frgs, bryon, spels, sl anhytc, dolotc, argil, silty.
	7700			ls as abv.
	7700			ls, subchky, dolotc, fn fos frgs, crin, argil, sl silty, tr por; s/c-ltc ls as abv.
	7700			ls, fos frgtl, crin, bryon, argil, dolotc, sl por; s/ls, c-ltc & subchky as abv.
	7700			ls, c-ltc, argil, dolotc, sl silty, s/c-ctc ls.
	7700			ls, c-ltc, as abv, w/s large fos frgs, bryon, crin, brach.
	7700			ls, c-ltc, as abv.
	7700			ls, c-ltc to c-ctc, fos frgs, bryon, echinoderms, argil, silty, sl silc.
	7700			ls, c-ltc, fos frgs, brach, argil, dolotc; tr ch.
	7700			ls, fnly fossil, dolotc, argil, silty, c-ltc; s/ls, c-c, dolotc.
	7700			ls, c-ltc, argil, dolotc, silty loc, fn fos frgs.
	7700			ls, dolotc, fnly fossil, c-ltc, argil, silty; s/ls, c-ctc, foram, sl por.
	7700			ls, dns to c-ltc, fn fos frgs, crin, bryon, argil, dolotc loc, s/c-c.
	7700			ls, subchky, dolotc, silty, fn fos frgs, crin, bryon, argil, fair por loc; s/ls, c-ctc of fn peld.
	7700			ls, dns to subchky, dolotc, fn fos frgs, crin, argil; s/ls, c-c.
	7700			ls, dns to c-ctc, fn fos frgs, crin, bryon, argil, dolotc, silty loc; s/ls, c-c of fn peld.
	7700			ls, c-ctc, fn fos frgs, argil, dolotc, fair por, tr ss.
	7700			ls, fn fos frgtl, crin, argil, dolotc, silty loc, sl por.
	7700			ls, c-ctc, fos frgs, crin, echinoderms, dolotc, argil; s/ch.
	7700			Dolo, subchky, calc, fn fos frgs, c-ctc loc, argil, silty, m/ch.
	7700			ls, subchky, dolotc, fn fos frgs, crin, bryon, argil, grdg to dolot; s/ch.
	7700			ls as abv, grdg to dolot; s/ch.
	7700			ls as abv, grdg to dolot; s/ch.
	7700			Dolo, microxln, microgran, argil, silty, fair por; s/sh.

+ 8' DEPTH CORRECTION