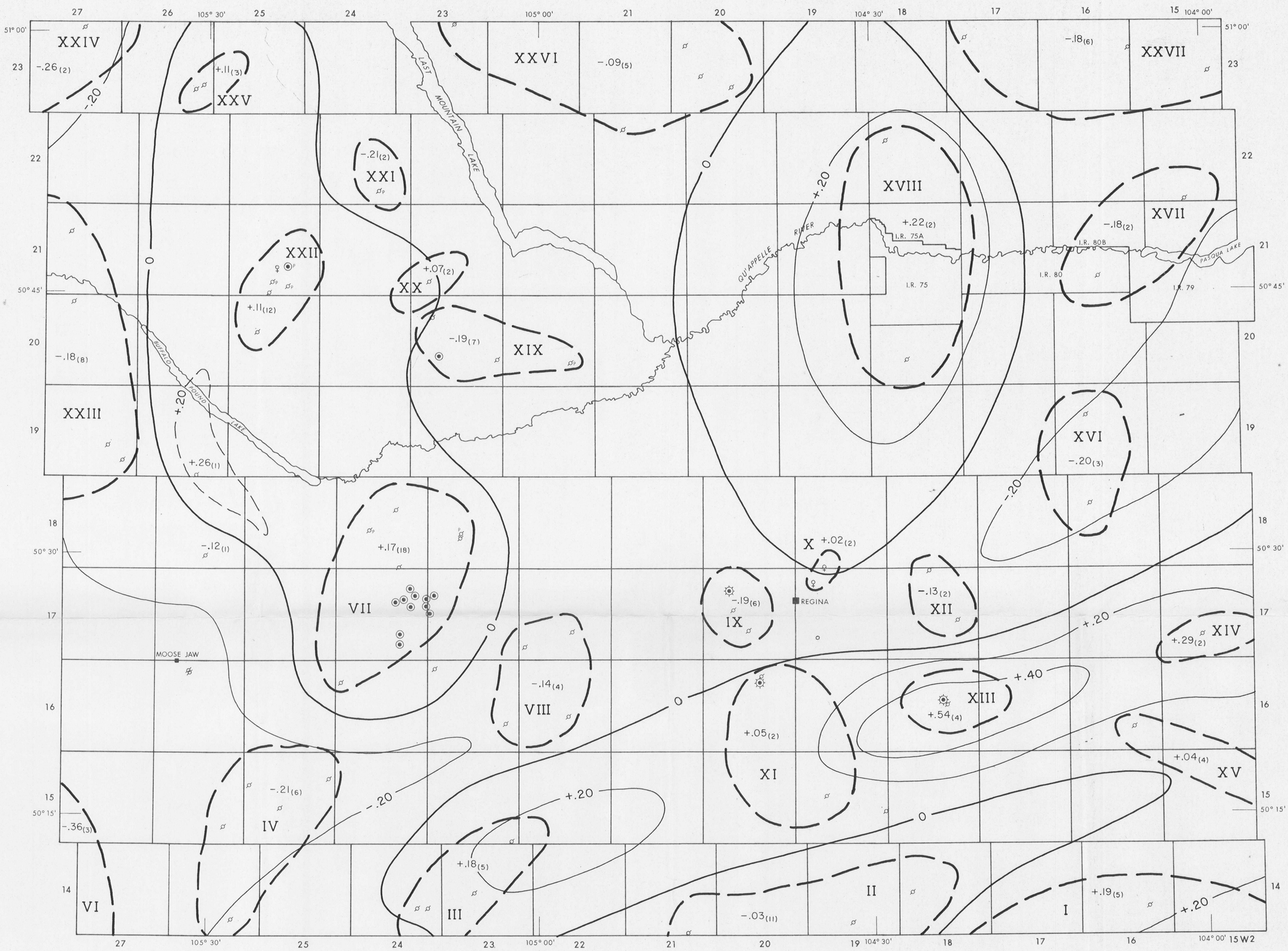

ABANDONED PETROLEUM EXPLORATION WELL (DRY HOLE)

ABANDONED POTASH EXPLORATION WELL

SOLUTION POTASH WELL

STORAGE CAVERN FOR LPG

OTHER

XIII — AREAS OVER WHICH OBSERVED TEMPERATURE GRADIENT "m" IS AVERAGED

+.52 (3) — LOCAL DEPARTURE OF GRADIENT "m" (°F/100 FT.) FROM REGIONAL VALUES. LOCAL DEPARTURE IS AVERAGED FROM THREE TEMPERATURE READINGS.

SEE TEXT FOR DETAILS

ONE SECTION (enlarged) SHOWING NUMBERING OF THE LEGAL SUBDIVISIONS (LSD's)

13	14	15	16
12	11	10	9
5	6	7	8
4	3	2	1

2

ONE TOWNSHIP SHOWING NUMBERING OF SECTIONS IN WESTERN CANADA

31	32	33	34	35	36
30	29	28	27	26	25
19	20	21	22	23	24
18	17	16	15	14	13
7	8	9	10	11	12
6	5	4	3	2	1

GENERAL FORMULAE

$$T_{ZW} = 53.3 + 1.58z$$

$$T_{ZM} = 50.5 + 1.33z$$

WHERE

T_{ZW} = TEMPERATURE (°F) OF DST WATER AT DEPTH Z

T_{ZM} = TEMPERATURE (°F) OF MUD DURING LOGGING AT DEPTH Z

Z = DEPTH (HUNDREDS OF FEET)

This map has been reprinted from a scanned version of the original map
Reproduction par numérisation d'une carte sur papier

GOVERNMENT OF CANADA GEOTHERMAL STUDIES

REGINA-MOOSE JAW AREA
SASKATCHEWAN

5 0 5 10 15 20 Mi.

10 0 10 20 30 km

FIGURE 29
TEMPERATURE GRADIENT ANOMALY MAP
OF
DEADWOOD-CRETACEOUS INTERVAL

SHOWING GENERALIZED VARIATION OF THE GRADIENT "m" IN THE EQUATION

$T_Z = T_o + mz$

CONTOUR INTERVAL 0.20°F / 100 FT.

Prepared by: ENERGY RESEARCH UNIT, UNIVERSITY OF REGINA	
Geologist/Engineer LWV/RJL	Scale 1:253,440 (1 INCH = 4 MILES)
Date DEC/77	Drawing No. ERU-10-29