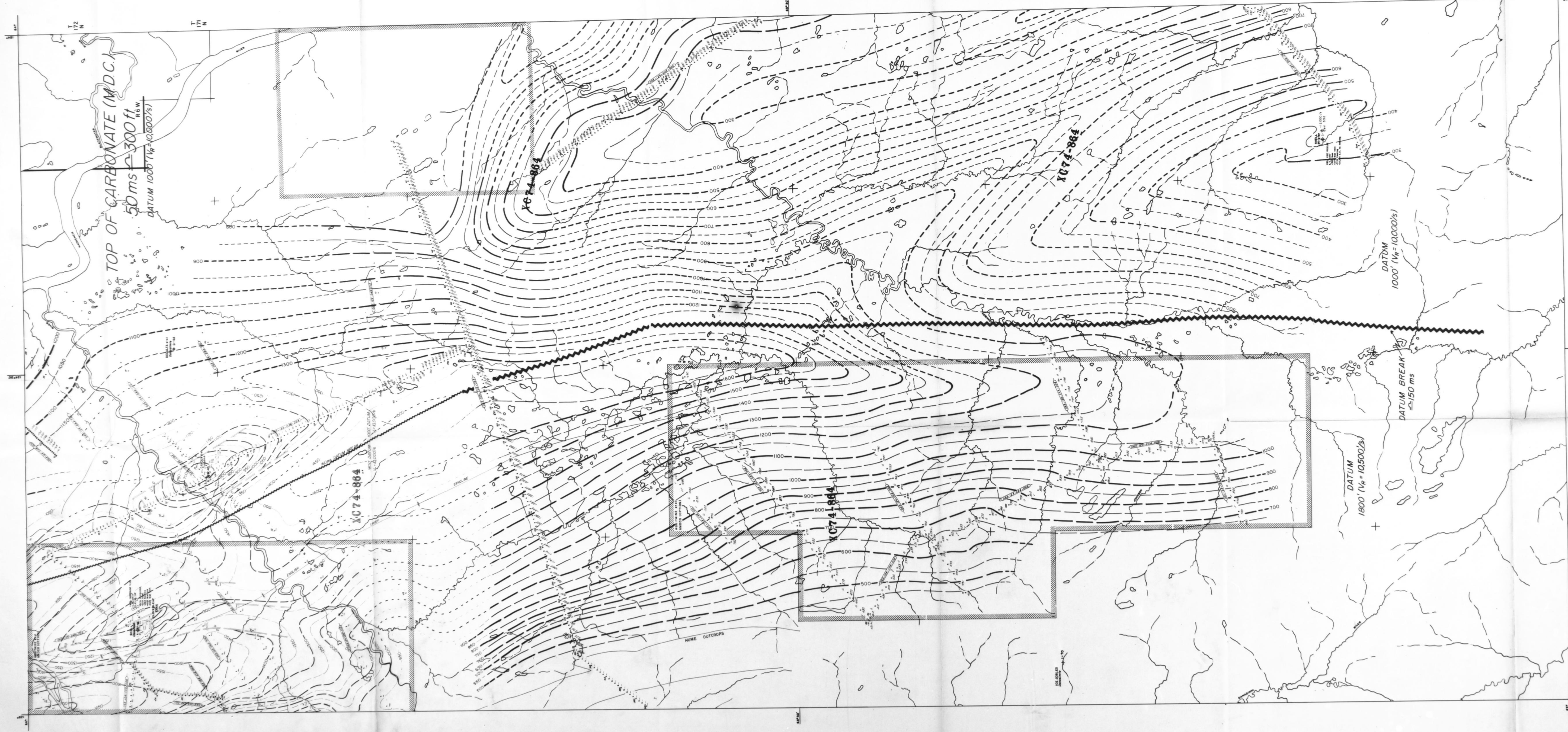




060-06-05-148

MAP EVALUATION		SHOOTING HISTORY (Not in detail)			INTERPRETIVE HISTORY			APPROVALS	
Qualification: number type of area or other, means of usual interpretation, facility of data and density of control.		INC. DATES	SHOT BY	SHOT FOR	REASON FOR LINE NO.	FINAL REPORT No.	DATE	REMARKS	DATE
1. <u>Interpretation</u> 2. <u>Map</u> 3. <u>Scale</u> 4. <u>Projection</u> 5. <u>Geographic data</u> 6. <u>Geological data</u> 7. <u>Topographic data</u> 8. <u>Other data</u>		1948, 1951 1952, 1953 1954, 1955 1956, 1957 1958, 1959 1960, 1961 1962, 1963 1964, 1965 1966, 1967 1968, 1969 1970, 1971 1972, 1973 1974, 1975 1976, 1977 1978, 1979 1980, 1981 1982, 1983 1984, 1985 1986, 1987 1988, 1989 1990, 1991 1992, 1993 1994, 1995 1996, 1997 1998, 1999 2000, 2001 2002, 2003 2004, 2005 2006, 2007 2008, 2009 2010, 2011 2012, 2013 2014, 2015 2016, 2017 2018, 2019 2020, 2021 2022, 2023 2024, 2025 2026, 2027 2028, 2029 2030, 2031 2032, 2033 2034, 2035 2036, 2037 2038, 2039 2040, 2041 2042, 2043 2044, 2045 2046, 2047 2048, 2049 2050, 2051 2052, 2053 2054, 2055 2056, 2057 2058, 2059 2060, 2061 2062, 2063 2064, 2065 2066, 2067 2068, 2069 2070, 2071 2072, 2073 2074, 2075 2076, 2077 2078, 2079 2080, 2081 2082, 2083 2084, 2085 2086, 2087 2088, 2089 2090, 2091 2092, 2093 2094, 2095 2096, 2097 2098, 2099 2099, 2100 2100, 2101 2101, 2102 2102, 2103 2103, 2104 2104, 2105 2105, 2106 2106, 2107 2107, 2108 2108, 2109 2109, 2110 2110, 2111 2111, 2112 2112, 2113 2113, 2114 2114, 2115 2115, 2116 2116, 2117 2117, 2118 2118, 2119 2119, 2120 2120, 2121 2121, 2122 2122, 2123 2123, 2124 2124, 2125 2125, 2126 2126, 2127 2127, 2128 2128, 2129 2129, 2130 2130, 2131 2131, 2132 2132, 2133 2133, 2134 2134, 2135 2135, 2136 2136, 2137 2137, 2138 2138, 2139 2139, 2140 2140, 2141 2141, 2142 2142, 2143 2143, 2144 2144, 2145 2145, 2146 2146, 2147 2147, 2148 2148, 2149 2149, 2150 2150, 2151 2151, 2152 2152, 2153 2153, 2154 2154, 2155 2155, 2156 2156, 2157 2157, 2158 2158, 2159 2159, 2160 2160, 2161 2161, 2162 2162, 2163 2163, 2164 2164, 2165 2165, 2166 2166, 2167 2167, 2168 2168, 2169 2169, 2170 2170, 2171 2171, 2172 2172, 2173 2173, 2174 2174, 2175 2175, 2176 2176, 2177 2177, 2178 2178, 2179 2179, 2180 2180, 2181 2181, 2182 2182, 2183 2183, 2184 2184, 2185 2185, 2186 2186, 2187 2187, 2188 2188, 2189 2189, 2190 2190, 2191 2191, 2192 2192, 2193 2193, 2194 2194, 2195 2195, 2196 2196, 2197 2197, 2198 2198, 2199 2199, 2200 2200, 2201 2201, 2202 2202, 2203 2203, 2204 2204, 2205 2205, 2206 2206, 2207 2207, 2208 2208, 2209 2209, 2210 2210, 2211 2211, 2212 2212, 2213 2213, 2214 2214, 2215 2215, 2216 2216, 2217 2217, 2218 2218, 2219 2219, 2220 2220, 2221 2221, 2222 2222, 2223 2223, 2224 2224, 2225 2225, 2226 2226, 2227 2227, 2228 2228, 2229 2229, 2230 2230, 2231 2231, 2232 2232, 2233 2233, 2234 2234, 2235 2235, 2236 2236, 2237 2237, 2238 2238, 2239 2239, 2240 2240, 2241 2241, 2242 2242, 2243 2243, 2244 2244, 2245 2245, 2246 2246, 2247 2247, 2248 2248, 2249 2249, 2250 2250, 2251 2251, 2252 2252, 2253 2253, 2254 2254, 2255 2255, 2256 2256, 2257 2257, 2258 2258, 2259 2259, 2260 2260, 2261 2261, 2262 2262, 2263 2263, 2264 2264, 2265 2265, 2266 2266, 2267 2267, 2268 2268, 2269 2269, 2270 2270, 2271 2271, 2272 2272, 2273 2273, 2274 2274, 2275 2275, 2							

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11x
September 1975

060-06-05-148


AMOCO CANADA

AREA: GRID: CR-14/15

PROVINCE: N.W.T. SCALE: 1"=8000'
HORIZON: TOP OF CARBONATE (MID. DEV. CARB.)
TYPE OF MAP: STRUCTURE CONTOUR INT.: 50 MS.

SHOT BY: _____
INCL. DATES: _____
INTERD BY: T.L. DAVIS
CO. AFFIL: AMOCO
DATE: NOV 20 1971

REPORT No. 7187 DATE: NOV 30, 1977
REMARKS: ADJUSTED TO DATUM ELEVATION
OF 1000 FT ($V_R = 10,000$'s)

VC74-877

GEOLOGICAL INT'L R.A. BISHOP DATE: NOV. 30, 1977
 FROM GEOPH. REPORT NO. 11
 DATED: _____
 REMARKS: _____

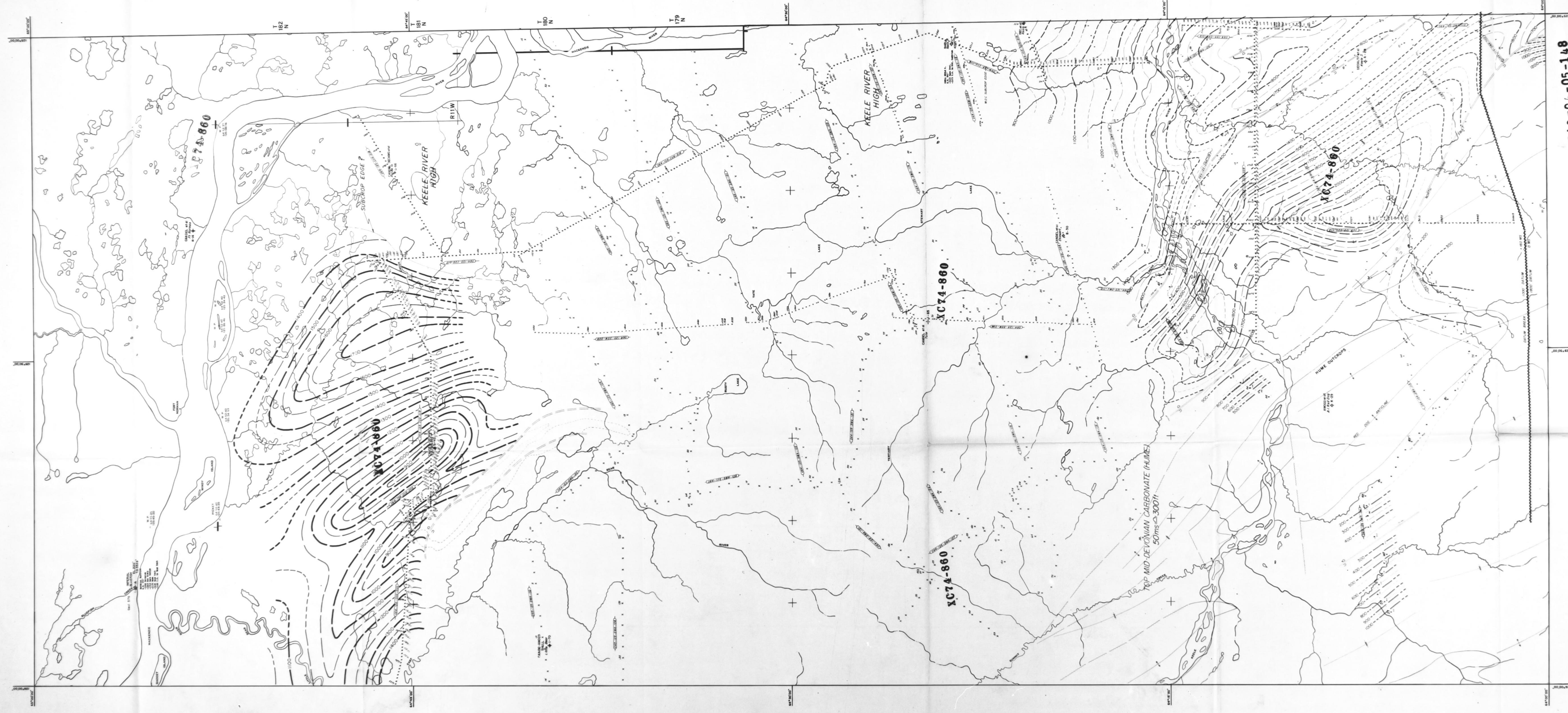
CLASS I

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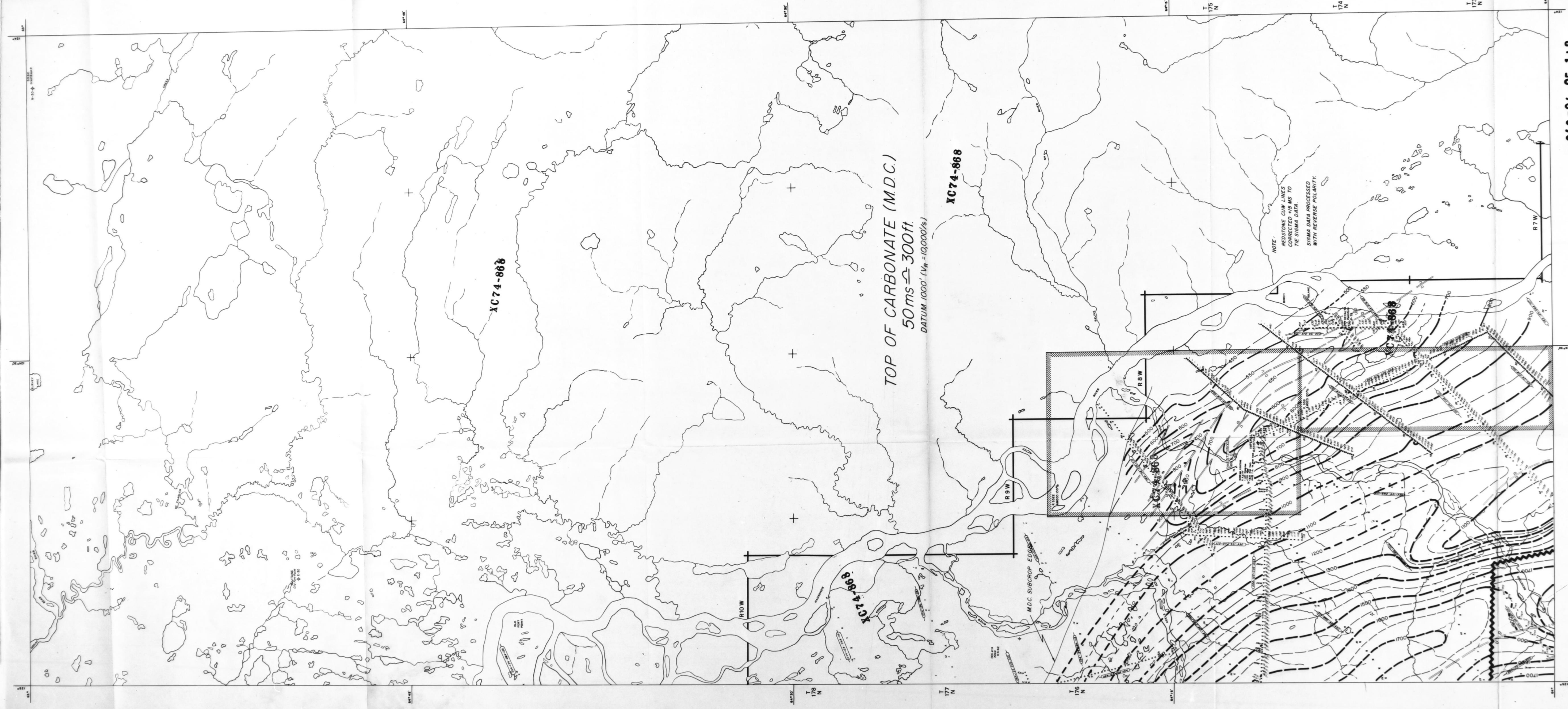
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MAP EVALUATION

Quantitative estimates of mass or area of debris, amount of material transported, qualitative quality of data and density of material.

Location of primary deposit

Estimated date

Number of debris particles per date

Number of debris particles per date

Number of debris particles per date

SHOOTING HISTORY (Not to be filled)

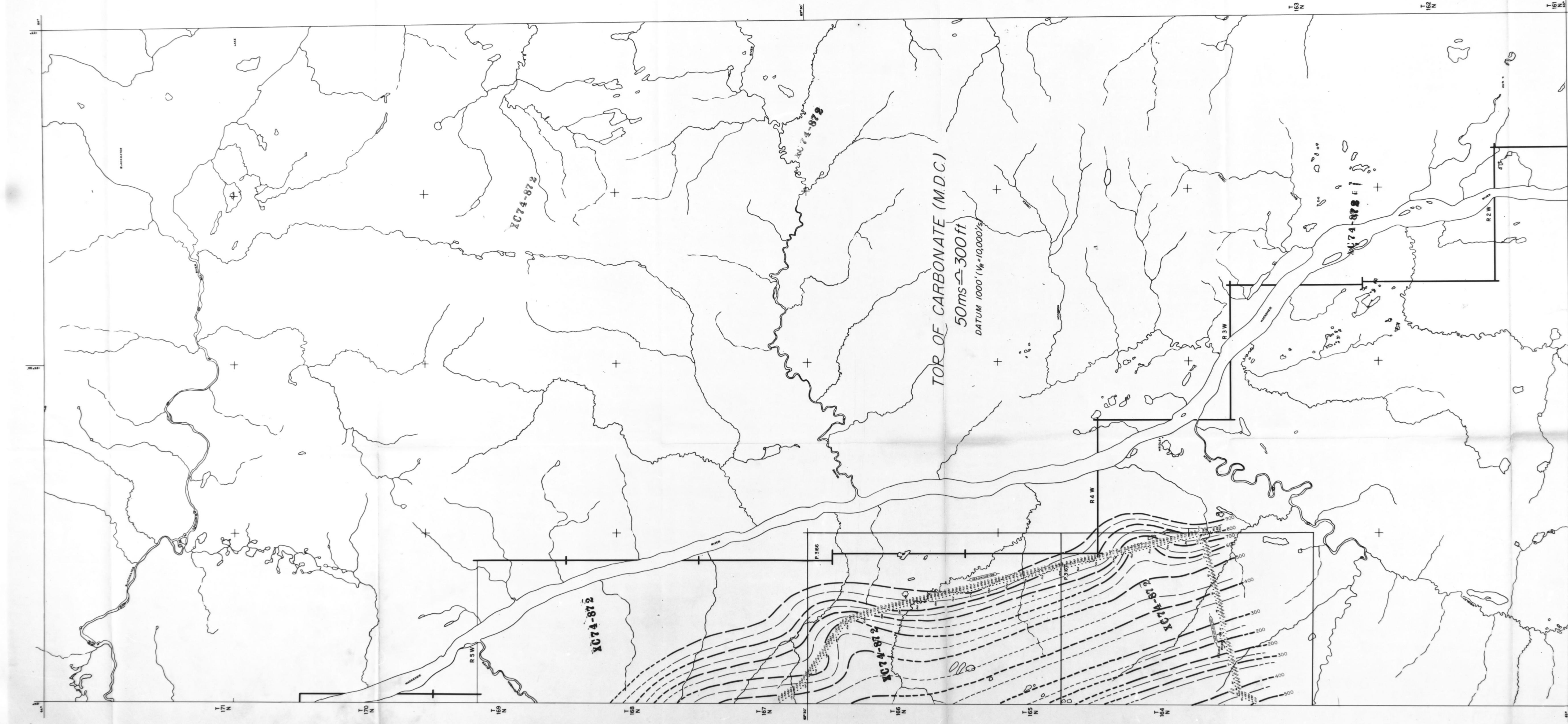
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1962-1963	1962-1963	1962-1963	1962-1963
1964-1965	1964-1965	1964-1965	1964-1965
1966-1967	1966-1967	1966-1967	1966-1967
1968-1969	1968-1969	1968-1969	1968-1969
1970-1971	1970-1971	1970-1971	1970-1971
1972-1973	1972-1973	1972-1973	1972-1973
1974-1975	1974-1975	1974-1975	1974-1975
1976-1977	1976-1977	1976-1977	1976-1977
1978-1979	1978-1979	1978-1979	1978-1979
1980-1981	1980-1981	1980-1981	1980-1981
1982-1983	1982-1983	1982-1983	1982-1983
1984-1985	1984-1985	1984-1985	1984-1985
1986-1987	1986-1987	1986-1987	1986-1987
1988-1989	1988-1989	1988-1989	1988-1989
1990-1991	1990-1991	1990-1991	1990-1991
1992-1993	1992-1993	1992-1993	1992-1993
1994-1995	1994-1995	1994-1995	1994-1995
1996-1997	1996-1997	1996-1997	1996-1997
1998-1999	1998-1999	1998-1999	1998-1999
2000-2001	2000-2001	2000-2001	2000-2001
2002-2003	2002-2003	2002-2003	2002-2003
2004-2005	2004-2005	2004-2005	2004-2005
2006-2007	2006-2007	2006-2007	2006-2007
2008-2009	2008-2009	2008-2009	2008-2009
2010-2011	2010-2011	2010-2011	2010-2011
2012-2013	2012-2013	2012-2013	2012-2013
2014-2015	2014-2015	2014-2015	2014-2015
2016-2017	2016-2017	2016-2017	2016-2017
2018-2019	2018-2019	2018-2019	2018-2019
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2038-2039	2038-2039	2038-2039	2038-2039
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2044-2045	2044-2045	2044-2045	2044-2045
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2062-2063	2062-2063	2062-2063	2062-2063
2064-2065	2064-2065	2064-2065	2064-2065
2066-2067	2066-2067	2066-2067	2066-2067
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2074-2075	2074-2075	207	

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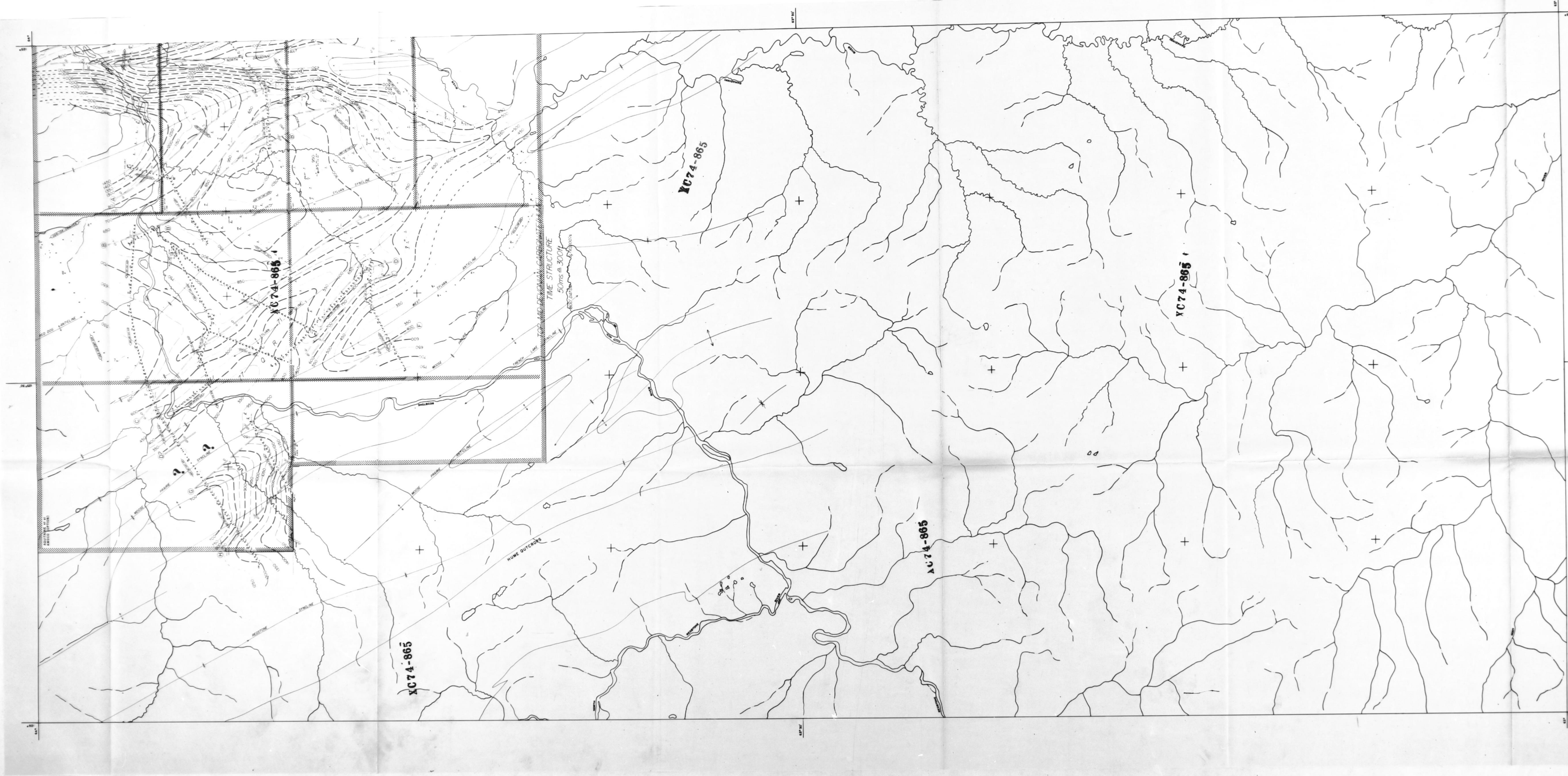
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060-06-05-148

 **AMOCO CANADA**
PETROLEUM COMPANY LTD.

AREA: GRID: CR-12/13
PROVINCE: N.W.T. SCALE: 1"=8000'
HORIZON: TOP OF CARBONATE (MID DEV. CARB.)
TYPE OF MAP: STRUCTURE CONTOUR INT.: 50 MS
SHOT BY: FOR: SIGMA
INCL. DATES: CO. AFFILI.: AMOCO
INTERVIEW BY: FI 02/12/5

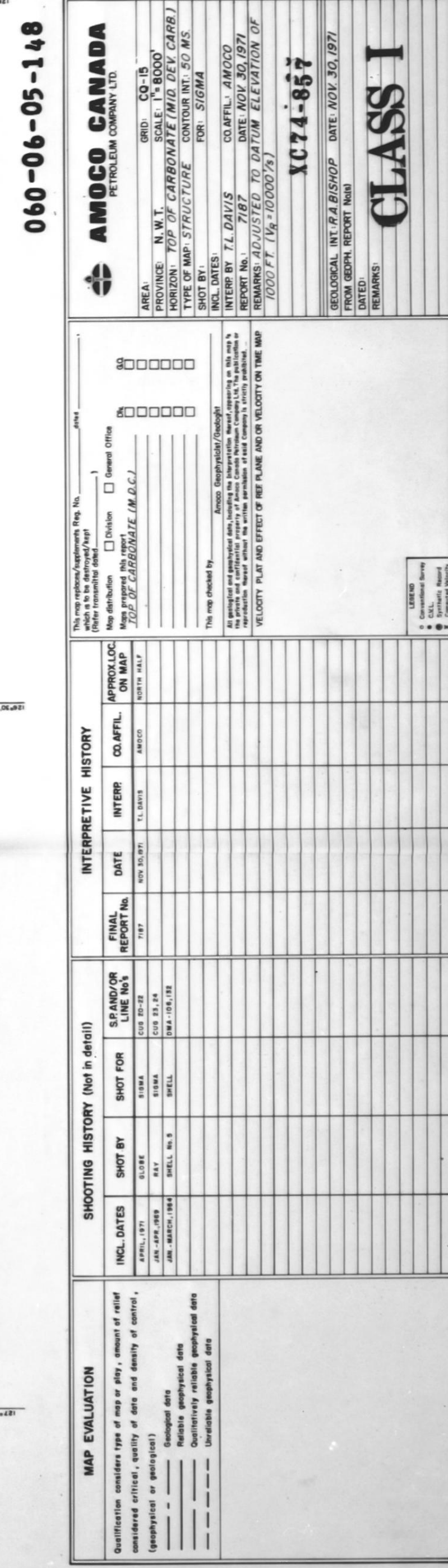
REPORT No. 7187 DATE: NOV. 30, 1971
REMARKS: ADJUSTED TO DATUM ELEVATION OF
1000 FT ($V_R = 10000' / s$)

GEOLOGICAL INT. R. A. BISHOP DATE: NOV. 30, 1971
FROM GEOPH. REPORT N(41)

DATE	1991
TIME	10:00
LOCATION	1000
REMARKS	

CLASS I

1



060-06-05-148

REPORT OF GEOPHYSICAL SURVEY

During April 19/71 to April 23/71
Redstone Area -- Permits 5521 & 5522

Prepared By
N. E. Pullin, District Geophysicist

June 19, 1974

REPORT OF GEOPHYSICAL SURVEY

Conducted By

Western Geophysical Company of Canada Ltd.

for

Amoco Canada Petroleum Company Ltd.

During the Period April 19, 1971 to April 23, 1971

In the Redstone Area of the District of Mackenzie

on Permit Numbers 5521 and 5522

Project #60-6-5-71-7

And Including Project #815-6-5-71-2

Prepared By

N.E. Pullin
District Geophysicist

060-06-05-148

June 19, 1974

Submitted in support of application for credit, see Affidavit made by

PRICE WATERHOUSE & Co of CALGARY
and in accordance with work obligations.

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Introduction	1
Locality Map	2
Statistical Data	3
Field Procedures	6
Data Processing	7
Results and Interpretation	8

Middle Devonian Carbonate Structure Map

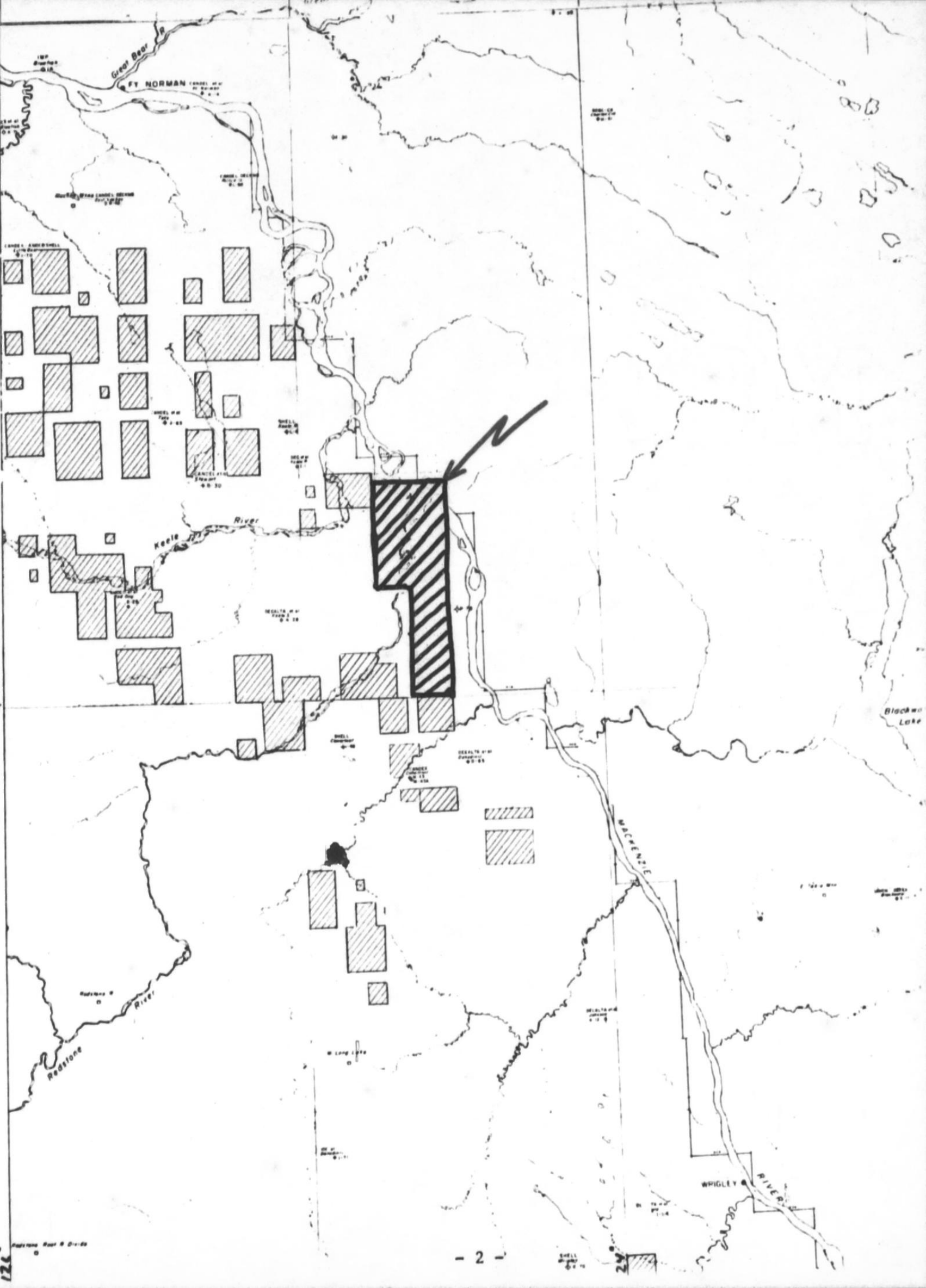
In Pocket

INTRODUCTION

A reflection seismic survey was conducted in the Redstone area during the winter of 1971 by Western Geophysical Ltd., Party #85 on behalf of Amoco Canada Petroleum Company Ltd.

85° 00' 00"

64° 00' 00"



STATISTICAL DATA

Dates:

Operations were conducted from April 19, 1971 through April 23, 1971.

Production:

- 27.7 miles (332 shots) were surveyed to evaluate the lands
- Average daily production was 5.5 miles/day for 5 days worked
- The lines are identified as CUW 001, CUW 002, CUW 003 and CUW 004

Equipment (Vehicles):

- 1 Party Manager's vehicle (wheeled)
- 1 Recording vehicle (tracked)
- 2 Cable vehicles (tracked)
- 1 Shooting vehicle (tracked)
- 2 Survey vehicles (tracked)
- 1 Supply vehicle (tracked)
- 1 Camp water vehicle (tracked)
- 5 Drill vehicles (tracked)
- 1 Mobile camp (3 units) track and sleigh mounted
- 3 Bulldozers

Equipment (Geophysical):

24 Channel Geospace 1590 digital recording instruments

Personnel:

1 Party Manager
1 Computer Clerk
1 Observer
1 Junior Observer
1 Shooter
1 Shooter's Helper
2 Reel truck drivers
4 Recording Helpers
1 Surveyor
1 Surveyor - Computer
1 Rodman
1 Mechanic
1 Supplyman
5 Drillers
5 Drillers' Helpers
1 Cook
1 Camp Attendant

Navigation:

The survey was conducted using theodolites and steel tapes.

Conditions:

No unusual conditions were encountered during the survey.

FIELD PROCEDURES

For Lines CUW 1, 2, 3, and 4

- Fold: 6
- Group interval: 110'
- Shot Point Interval: 220'
- Symmetric Spreads
- 10 pound charges at 45'

DATA PROCESSING

The data processing was done through the facilities of Amoco Production Company Limited, Tulsa, Oklahoma, U.S.A.

Procedures applied were demultiplex and gain correct, move out and static corrections, filtering and compositing.

RESULTS AND INTERPRETATION

These data were interpreted in conjunction with the Sigma Participation survey (Project #815-6-5-71-2) and the comments below apply to both sets of data. Amoco did not reprocess the Sigma data on which a technical report has been submitted by Sigma. The comments and map for that data are included here as suggested in a letter from DIAND dated April 27, 1971.

Reflections from the Sub-Cretaceous Unconformity, Middle Devonian Carbonate and Base of Ordovician Carbonate could be carried over most of the area. The only map made by Amoco was the attached Middle Devonian Carbonate structure map. The map shows the Middle Devonian Carbonate to be present over most of the area surveyed and to be generally broken by a series of NW-SE trending faults in the southern part of the survey. There are also a series of large anticlinal features, trending NW-SE in the south and W-E in the north over the area.

Respectfully Submitted,

AMOCO CANADA PETROLEUM COMPANY LTD.



N. E. Pullin
District Geophysicist