DATUM - TOP OF KOTCHO FORMATION, FOR HOLES 51 TO 63

DATUM - TOP OF MIDDLE DEVONIAN CARBONATE, FOR HOLES 3, 50, 51

UPPER DEVONIAN

LOWER & MIDDLE DEVONIAN

3
AMOCO, SHANNON
c - 79 - B/94 - O - 10
KB 1672 TD 15674
WA 3129

50
HB ET AL TRAIL
c - 2 - H/94 - O - 10
KB 2224 TD 10350
WA 3067

51
ESSO BCRC STANISLAS
d - 13 - L/94 - O - 9
KB 1539.3m TD 2961.0m
WA 4665

52
BP ET AL TRAIL
d - 7 - J/94 - O - 9
KB 1752 TD 8825
WA 3460

53
PAN AM TRAIL
d - 68 - N/94 - O - 9
KB 2005 TD 8955
WA 976

54
MOBIL&CHEV COX PACIFIC ETSHO
d - 79 - E/94 - P - 12
KB 2118 TD 8370
WA 2233

25
CDCOG BCRC OOTLA
a - 85 - E/94 - P - 12
KB 647.8m TD 2557.0m
WA 5165

55
CANDEL BARNWELL HB JON
a - 85 - J/94 - P - 14
KB 2019 TD 7852
WA 2329

56
LAMAR HUNT DODGER
b - 6 - E/94 - P - 15
KB 1757 TD 7350
WA 3605

57
TEXACO MFA MIDWINTER
a - 32 - G/94 - P - 15
KB 1750.8 TD 7500
WA 2254

58
FINA HB JULY
c - 33 - A/94 - P - 15
KB 1581 TD 7100
WA 3064

59
HB ET AL JULY
b - 15 - F/94 - P - 16
KB 1626.4 TD 6046
WA 3028

60
PAN AM TEXAS CORDOVA
b - 34 - C/94 - P - 16
KB 1618.9 TD 5500
WA 1280

61
FINA ET AL AUGUST
d - 67 - K/94 - P - 9
KB 1552 TD 6550
WA 2884

62
PEX ET AL N. BUBBLES
a - 65 - K/94 - P - 9
KB 376.2 TD 6915
WA 705

63
PAN AM PAULSEN
a - 41 - J/94 - P - 9
KB 1606.8 TD 6864
WA 2268

KOTCHO

FETCHO

TROUT RIVER

KAKISA

RED KNIFE

Upper Member

Lower Member

Jean Marie mbr.

FORT SIMPSON

Jean Marie mbr.

SLAVE POINT

WATT MTN.?

SILPHIUM PT.

KEG RIVER BARRIER

HORN RIVER

LOWER KEG RIVER

CHINCHAGA Upper mbr.

Eduni mbr.

L. Chinchaga mbr.

DUNEDIN

STONE

QUARTZITE

Eduni mbr.

Lower Chinchaga mbr.

PRE-CHINCHAGA"?

PRECAMBRIAN ?

Scale 1:2400
5" = 1000 ft (304.8 m)

Notes:

Seven cross-sections, of which this is one, have been constructed in an attempt to render an integrated stratigraphic picture of Middle Devonian carbonate bank and off-bank environments and regional relationships of the overlying Upper Devonian in northeastern British Columbia.

The study has employed wireline logs, widely spaced dry samples, and information from Petroleum Resources Division files. The stratigraphic scheme for the Middle Devonian is based on the nomenclature of Taylor and Procter (1983) and Procter (1984), modified from earlier literature, especially those presented in the open file report by Williams (1983). The latter constitutes particularly useful, tabulated Middle Devonian stratigraphy complete with time-line connections.

Individual logs on these cross-sections show only gross lithology, referred to a wide range of sources such as logs by Canadian Stratigraphic Service Ltd. and logs or written descriptions by well-site geologists, none of which has been coordinated to a single standard.

There is biostratigraphic support (conodonts) for placing the Devonian/Mississippian boundary considerably above the Kotcho/Fetcho contact, however, by reason of convenience in wireline log correlation, we have placed the boundary on these cross-sections follow conventional use of the Kotcho/Fetcho contact.

Although seaward-dipping clinoforms are occasionally evident in the partly Middle Devonian Hare River formation they are most readily apparent in one of these cross-sections (as in the Upper Devonian Fort Simpson and overlying formations). We assume that the absence of correlating Fort Simpson clinoform bedding because of the difficulty of demonstrating long-distance continuity, particularly where lines of sections, or portions thereof, pass obliquely across prograded slopes.

We trust that these sections, in the area encompassed by them and in concert with published regional studies, will prove helpful, both in fossil exploration and as an aid to extensive lost assets areas.

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GROSS LITHOLOGY REFERENCE

Shale	Dolomite
Sandstone	Anhydrite
Siltstone	Salt
Chert	Metamorphic, Diagenetic, or "Siliceous"
Limestone	Igneous

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

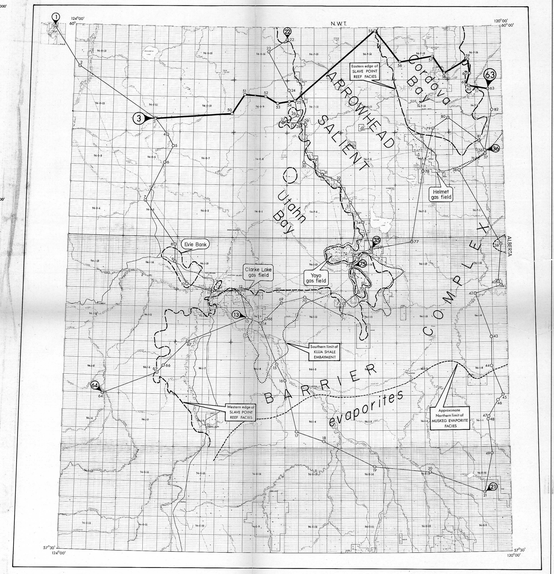
Northeast British Columbia

DEVONIAN SUBSURFACE CORRELATIONS

Stratigraphic Cross Section 3 - 63

Datum - as indicated

Depths in feet (metres where indicated) — No Horizontal Scale

INTERPRETED BY: K. A. McAdam — DATE: 1983 12

DRAUGHTED BY: S.C.C., L.C.K. — DATE: