Government of Saskatchewan

ptrc Petroleum Technology Research Centre

Saskatchewan Phanerozoic Fluids and Petroleum Systems

University of Regina

University of Alberta

Open File 2014-1, Map 43 of 156 (Saskatchewan Ministry of the Economy, Saskatchewan Geological Survey)

SASKATCHEWAN PHANEROZOIC FLUIDS AND PETROLEUM SYSTEMS PROJECT

Middle Jurassic Rierdon Formation: Structure Map

A. Marsh and M. Love

Saskatchewan Geological Survey,

The series of stratigraphic framework maps for the Saskatchewan Phanerozoic Fluids and Petroleum Systems (SPFPS) project have been produced using 2 km equi-spaced modified grids generated from Golden Software's Surfer 9 kriging algorithm. The dataset used to produce each of the maps in this series was created using data from several projects completed by the Ministry (Christopher, 2003; Saskatchewan Industry and Resources *et al.*, 2004; Kreis *et al.*, 2004; Marsh and Heinemann, 2006; Saskatchewan Ministry of Energy and Resources *et al.*, 2007; Heinemann and Marsh, 2009); these data were validated and edited as required to facilitate correlations between the various regional projects. In addition, to minimize edge effects during contouring, the senior author also generated stratigraphic data from wells in adjacent jurisdictions.

References

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This map may be referenced as:

Marsh, A. and Love, M. (2014): Middle Jurassic Rierdon Formation: structure map; Saskatchewan Phanerozoic Fluids and Petroleum Systems Project; Sask. Ministry of the Economy, Saskatchewan Geological Survey, Open File 2014-1, map 43 of 156.

This entire series may be referenced as:

Marsh, A. and Love, M. (2014): Regional Stratigraphic Framework of the Phanerozoic in Saskatchewan; Saskatchewan Phanerozoic Fluids and Petroleum Systems Project; Sask. Ministry of the Economy, Saskatchewan Geological Survey, Open File 2014-1, set of 156 maps.

LOCATION MAP



N

Township

Range

Lloydminster
Prince Albert
North Battleford
Melfort
Saskatoon
Humboldt
Yorkton
Melville
Moose Jaw
Regina
Swift Current
Weyburn
Estevan

30W3 30W2 34W1

0 25 50 75 100 125
KILOMETRES

LEGEND

City
Hydrography
Well Location

0
-250
-500
-750

Contour Interval: 50 metres