

# USA Northwest Montana

## A REGIONAL EXPLORATION REVIEW

### Introduction:

Following the success of the two regional reports on the deep exploration plays of southern Alberta, Exploration Geosciences Ltd (EGL), an international geoscience consultancy, in association with ARK Geophysics Ltd, turned their focus to the under-explored north-western part of Montana.

The review covers the Pre-Cretaceous section in the region from the Canadian border, southwards to the town of Great Falls and from the Rockies in the west to the Williston Basin in the east.

Ostensibly an extension of the Southern Alberta report, the study has used a wide regional seismic grid including Occidental's and Shell's proprietary data. ARK Geophysics, who work in close association with Exploration Geosciences, have provided the potential field work. With the benefit of the expertise of an ex Montana State geologist a total of 225 wells (drilled to the pre-Mississippian) have been reviewed.

(Continued overleaf)



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## Contents:

- > Wells, seismic, land status and pipelines
- > Exploration and development history
- > Structural history
- > Topography
- > Bouguer gravity and Residual Bouguer anomalies
- > Magnetic data
- > Potential field interpretation
- > Surface geology and structural elements
- > Top Mississippian and Top Swift depth form maps
- > Stratigraphic summary with isopachs
- > Source rock quality, maturity and hydrocarbon occurrences
- > Geoseismic lines and synthetic correlations
- > Geological cross-sections
- > Well correlations
- > Cambrian–Mississippian and Jurassic reservoir summaries
- > Play concepts and fairways
- > The appendices include well summaries (225) and synthetics (5)

## Commercial Details:

**Date:** 1996

### Cost:

The cost of the report, exclusive of any tax, delivery or customs duties is:


**CAN \$35,000**

Digital format version of the report including the appendices:

**CAN \$10,000**

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