

Purple Springs, Alberta (10-14W4): Paleozoic Impact Crater

Kenneth V. Allen¹

¹Global Energy Limited, Calgary, Alberta, Canada

Abstract

The author presents the case why the complex structural feature located at Purple Springs, Alberta (10-14W4), is indeed an impact crater. There is a very complex sub-surface structural feature roughly 3.4 km in diameter located in the north-west portion of 10-14W4 that has been interpreted to be of impact origin, although other possible origins have been suggested. The impact would have occurred sometime after the deposition of the Mississippian Livingston formation and prior to deposition of the Jurassic Sawtooth formation. The well 100/04-32-010-14W4 sits almost exactly in the center of this feature.

References Cited

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