

HYDRODYNAMICS OF THE GRANDE CACHE AREA

Overview

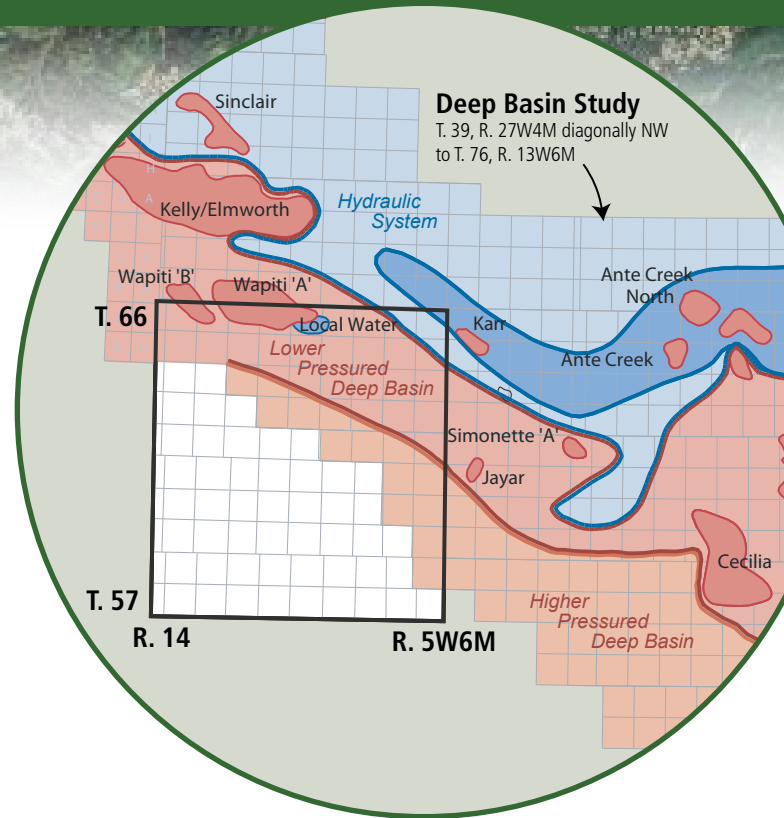
The Cretaceous Deep Basin in the Grande Cache area is unique in the WCSB. Plays are deep, overpressured and gas saturated, offering substantial gas-in-place and regional, stacked resource play potential. However, the transition from the Deep Basin to the Foothills Disturbed Belt is poorly understood. A number of issues stand out for explorers active in this area, including:

- What is the hydrodynamic signature of the Deep Basin to Foothills transition?
- Where does the transition between the Deep Basin and Foothills system occur?
- Is there potential for a resource play in the transition?
- What is the gas/water relationship within Dunvegan, Cadotte, Falher, Cadomin and Nikanassin reservoirs in structural traps in the Grande Cache area?

The study will tie in Rakhit Petroleum Consulting's (RPCL) Deep Basin Study (see inset map) to help address the above questions and to place them in a regional perspective.

Deliverables

- Pressure versus elevation graphs
- Pressure test base map (DSTs and AOFs) with interpreted hydraulic systems
- Screening and verification of all water analyses
- Hydrogeological cross-sections showing the vertical distribution of the various gas systems
- Geological structure map on Base of Fish Scales
- Hydrogeology for the Doe Creek/Dunvegan, Viking, Falher and Cadomin zones from RPCL's Deep Basin Study
- Digital database of pressure and water chemistry
- Summary technical report in hard copy and digital formats



Project study area overlain on stylized map of Viking Deep Basin Edges (from RPCL Deep Basin Study)

Zones Analyzed

Zone
Doe Creek/Dunvegan
Viking/Paddy/Cadotte
Falher
Cadomin
Nikanassin

Cost and Timing

Study Cost - \$32,500 + GST
Now Available!