

ASX ANNOUNCEMENT

9 SEPTEMBER 2010

GALILEE ENERGY LIMITED

PESA PRESENTATION

The enclosed presentation on ATP 529P was delivered at the PESA Symposium 2010 by Andrew Parker, Principal Geologist, AGL Energy Limited.

For further information contact:

Sam Aarons Manager, Business Development & Corporate Relations

Tel: 07 3216 1155

Email: info@galilee-energy.com.au



PESA Symposium 2010

Galilee Basin CSG Exploration



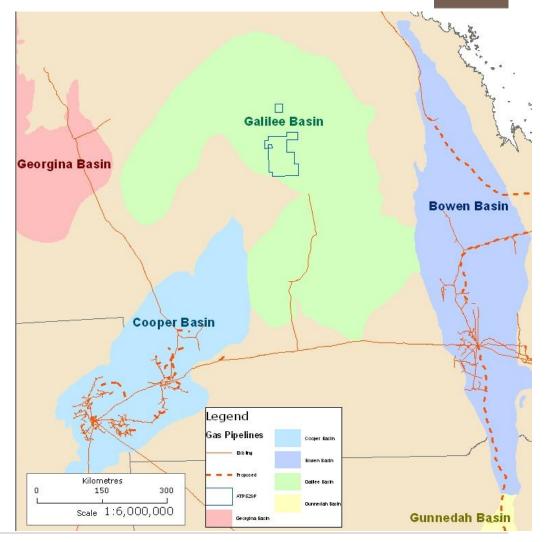
6th September 2010

Andrew Parker – Principal Geologist

PESA Symposium 2010

Galilee Basin Location

- Galilee Basin is located between the Bowen, Cooper and Georgina Basins
- Uncomformably overlain by the Eromanga Basin for most part
- Minimal existing infrastructure





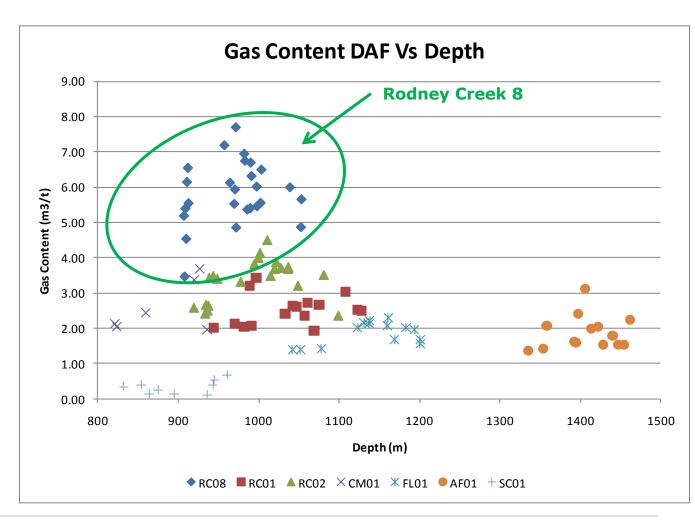
Previous CSG Exploration

- During the early 1990's Enron as holders of ATP529P drilled several coreholes with the best results located at Rodney Creek and Crossmore
 - 40% to 50% saturation with pipeline quality gas composition
 - Thick coal intervals up to 35m net with good to moderate perm, 5mD to >100mD
- Enron followed up the corehole program with single production wells at Rodney Creek and Crossmore
- ATP529 purchased by Galilee Energy in 2000 and a further 4 production wells were drilled at Rodney Creek and production tested producing large volumes of water with minimal gas
- Rodney Creek 8 corehole drilled by Galilee Energy in a more crestal position on the Glenaras Anticline and completed desorption testing over entire stratigraphic coal interval
 - Gas contents higher than past results
 - Saturation between 50% and 70%
 - Confirmed good to moderate permeability



Previous Exploration

- Rodney Creek 8 gas contents much higher than previously found
- Difference from
 Previous Rodney
 Creek wells thought
 to be due to testing
 methodology on
 older wells
 - Quick crush
 - Discreet sampling
 - Ambient temperature desorption





AGL Farm In

- In July 2008 AGL entered into a Farm In agreement with Galilee Energy for 50% of ATP529P
- The Farm In is in two stages
 - Stage 1:
 - Drill and complete a production pilot
 - Construct water holding facilities and production test wells
 - Stage 2
 - Drill 7 coreholes
 - Acquire 500km 2D seismic
 - Reprocess 2000km 2D seismic



AGL/Galilee Energy Exploration Program

Stage 1:

- Production pilot drilled and completed 2 under-ream and 3 fraced wells
- 380 ML produced water holding pond constructed
- Wells placed on pump, though currently shut in due to pump issues
- New pumps to be installed over the next month

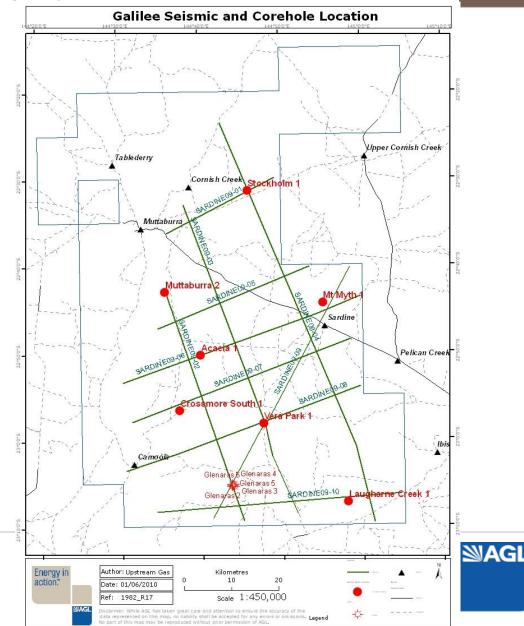
Stage 2

- 5 coreholes drilled, 6th currently coring, 7th top hole completed
- Acquired 541km 2D seismic
- Reprocessed 2231km 2D seismic, mainly 1981 to 1985 data



Well and Seismic Locations

- Exploration program designed to appraise all ATP529P
- Corehole program has targeted several different types of play
 - Glenaras step out wells to assist in field delineation
 - Thick preserved Triassic cover for higher gas saturations
 - Thick Permian coal bearing packages identified from seismic

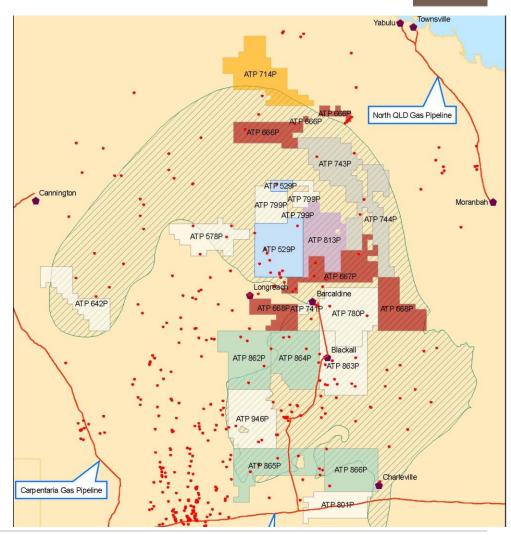


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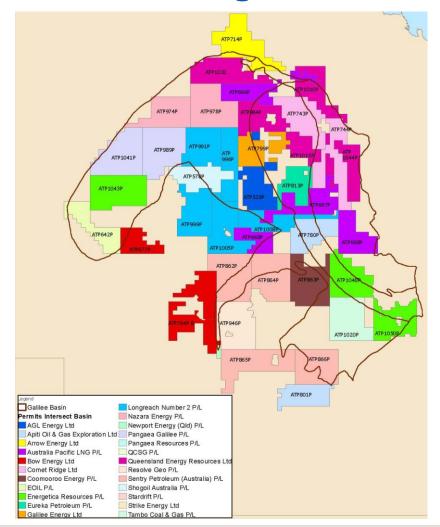
Galilee Gold Rush

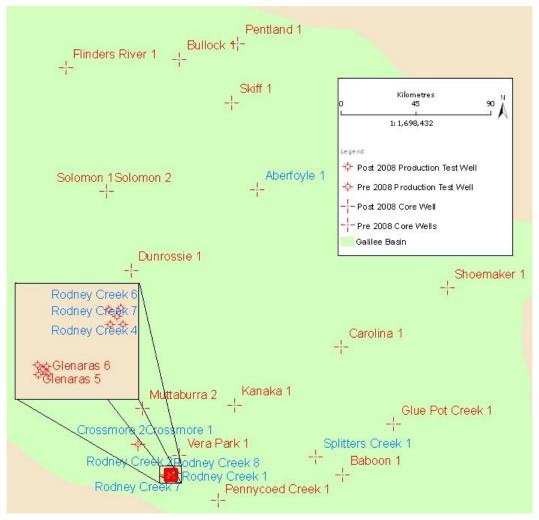
- At time of AGL Farm In minimal exploration was underway
- Majority of basin was not covered by tenure
- Acreage release by QLD DME in August 2008 combined with AGL Farm In renewed exploration interest
- Currently most of basin covered by tenure
- CSG well density has tripled from 13 to 38 wells¹ and increasing





Recent Acreage and Drilling





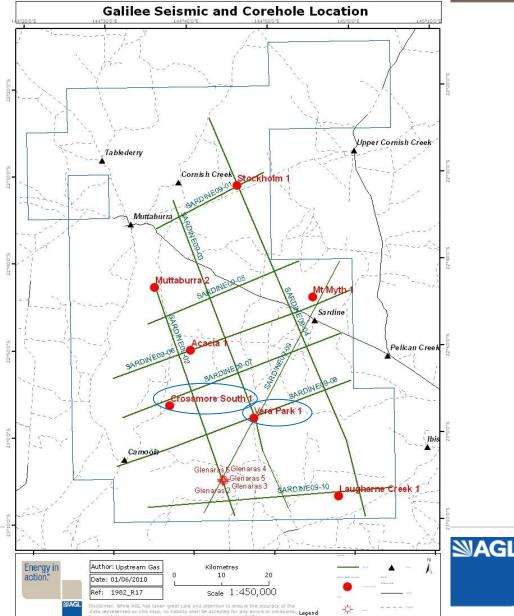


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AGL/Galilee Energy Results

- Crossmore South and Vera Park 1 identified similar coal packages and gas contents as Rodney Creek 8
- Acacia 1 and Mt Myth 1 were drilled in areas where thick Triassic cover was preserved
- Initial gas content results suggest values lower than Glenaras and Rodney Creek, decreasing towards the northeast

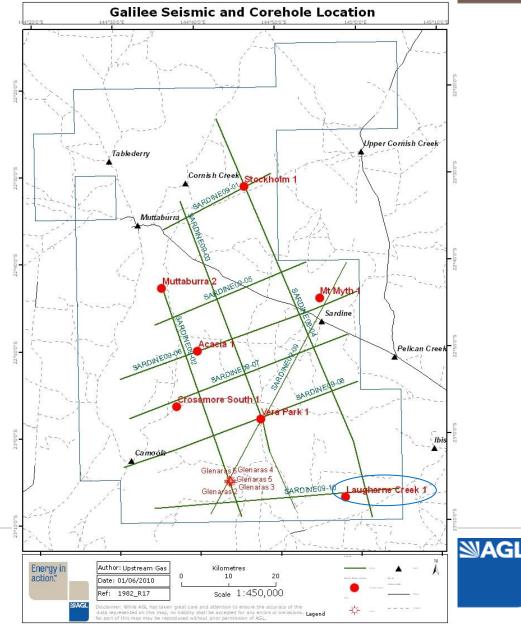


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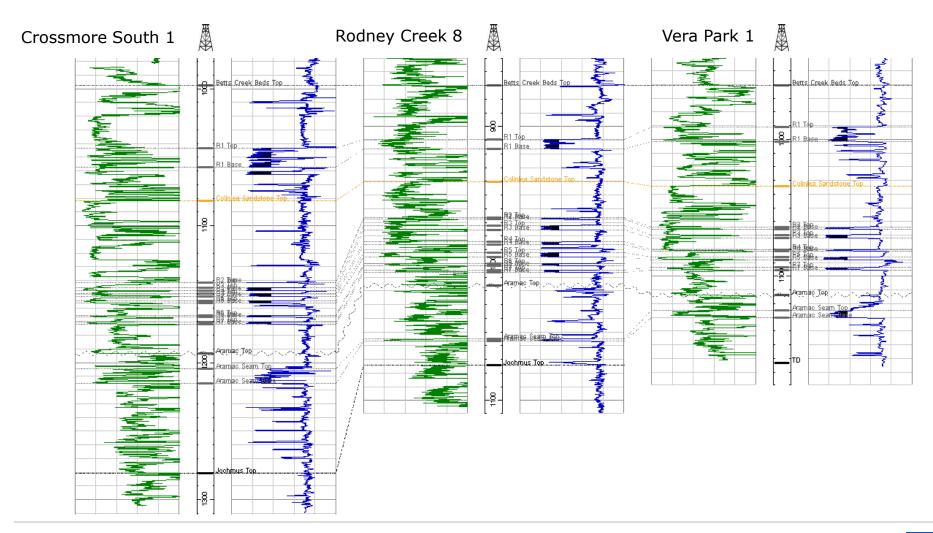
AGL/Galilee Energy Results

- Wells targeting thick coal package yielded positive results
- Laugharne Creek 1 targeted a thick Permian section approximately 180ms thick compared to an average of 100ms at Glenaras
- Multiple clean seams encountered over a 340m interval
- Aramac Coal Measures much thicker than previously encountered



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Glenaras Step Out

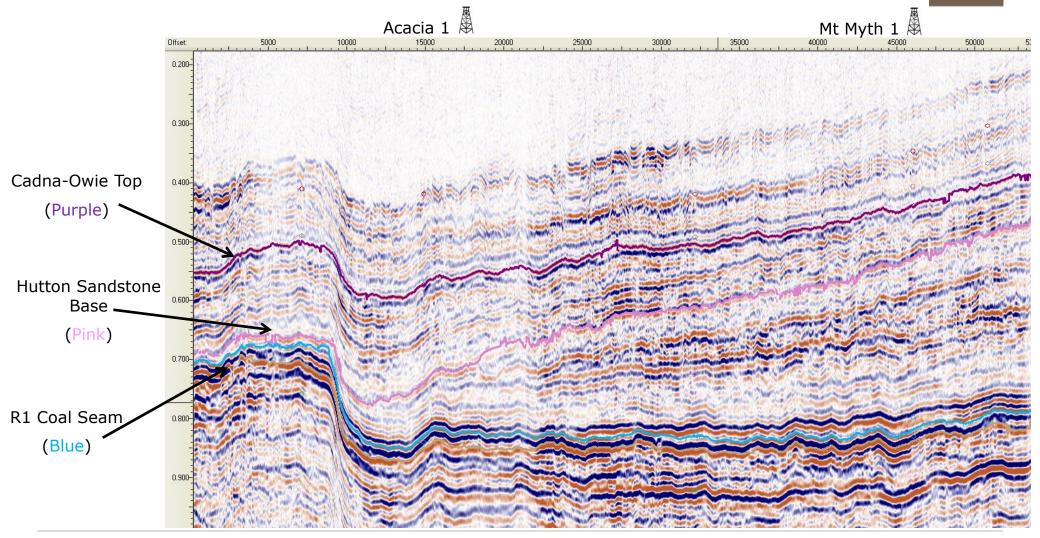




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Thick Triassic Cover

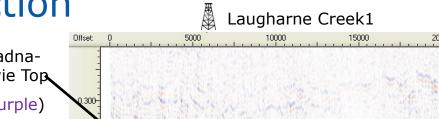


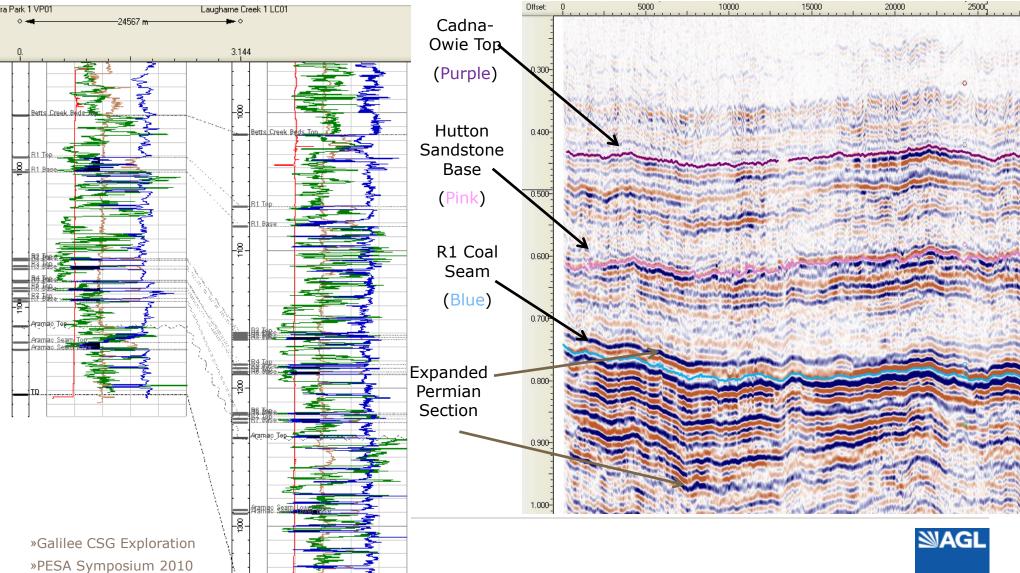
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Thickened Permian Section





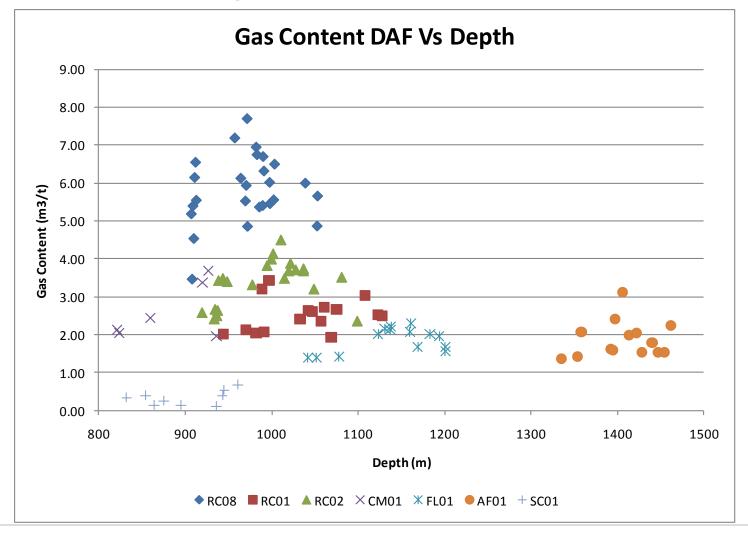


Gas Content Trends

- Gas content for the Galilee Basin is generally low
- Previous results range from <1m³/t at Splitters Creek up to >7m³/t at Rodney Creek 8 giving saturations of 52% to 67% at Rodney Creek 8
- Rodney Creek 8 has the highest gas contents and saturations identified to date
- Results by depth show no particular trend, however when viewed by area a trend is apparent



Gas Content vs Depth



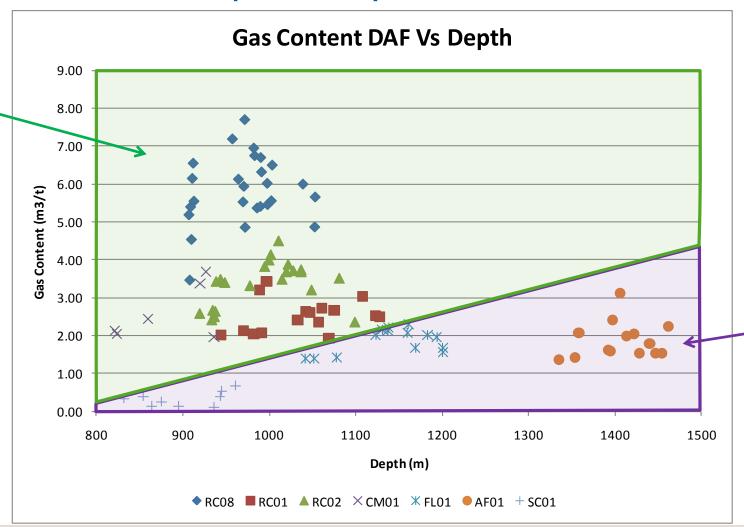


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Gas Content vs Depth - By Location

Western Side of Koburra Trough (ATP529P)



Eastern Side of Koburra Trough



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Gas Content Variation

- Possible causes in variation...
- Gas stripped from coal due to meteroic water flushing of seams?
- Higher heatflow associated with granite emplacement in the Maneroo Platform locally raising temperature increasing gas generation?
- However...
- Gas composition and limited isotope values show thermogenically derived gas on the western side of the Koburra Trough, no biogenic addition
- No gas composition, isotope data or coals seam water is open file or exists for eastern wells to confirm water flushing or gas source

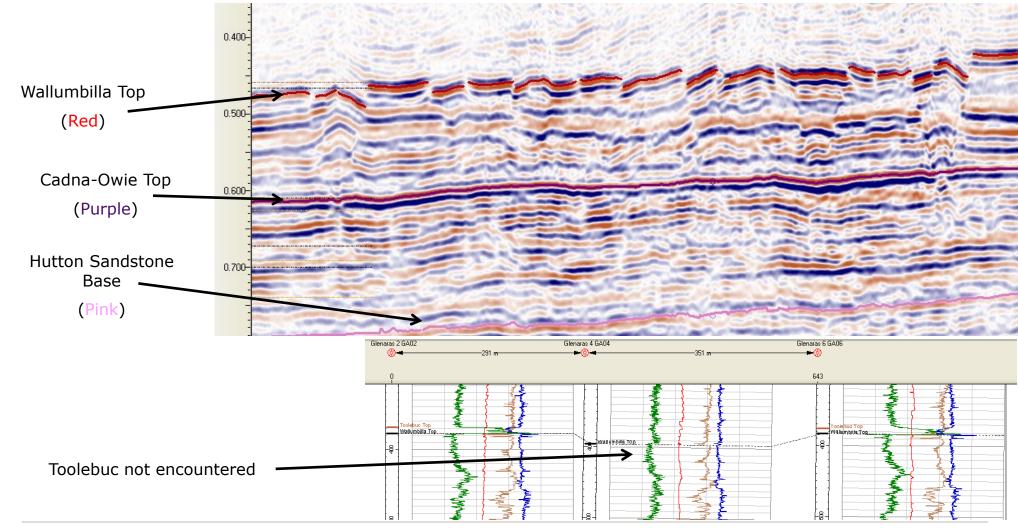


Shale Gas Observations

- The Toolebuc Fm is found throughout the Eromanga Basin with ATP529P being no exception
- All wells drilled to date have encountered the Toolebuc Fm except one
- Glenaras 4 drilled in late 2008 transitioned from Allaru Mudstone into Wallumbilla Fm, Toolebuc Fm absence initially thought to be due to small scale local faulting
- The Sardine seismic survey acquired in late 2009 provided good definition of the Toolebuc Fm across ATP529P
- Apparent frequent faulting throughout the Toolebuc and Wallumbilla formations was observed on all lines with minimal structure seen to propagate through the Cadna-Owie Fm



Sardine 09 - Line 7 and Glenaras 4









Shale Gas Observations

- Initially thought to be an issue with the acquisition or processing of the seismic, till the absence of the Toolebuc Fm in Glenaras 4 was applied
- While faulting of this nature would not be a reason shale gas production may not succeed, any development would require dense seismic imaging, most likely 3D, to accurately map out all structure
- Toolebuc Fm has a gross average thickness of 15m within ATP529 further reducing its attractiveness as an exploration target



So what does this mean for ATP529P

- Historical testing appears to have underestimated gas contents
- Gas thermogenically generated
- Southern portion of permit is more prospective than northern portion
- AGL and Galilee Energy are encouraged with results to date
- Further work based on final DAF gas contents and additional saturation values would assist in better defining trends
- The addition of more eastern and central Koburra Trough Wells would make a more robust interpretation
- Shale gas potential in Toolebuc Fm appears limited due to faulting and thin formation

