



# WELL COMPLETIONS & **FRAC DATABASE**



## **Montney Ante Creek**

*A look at past and current  
completion strategies*

*Presented by:*

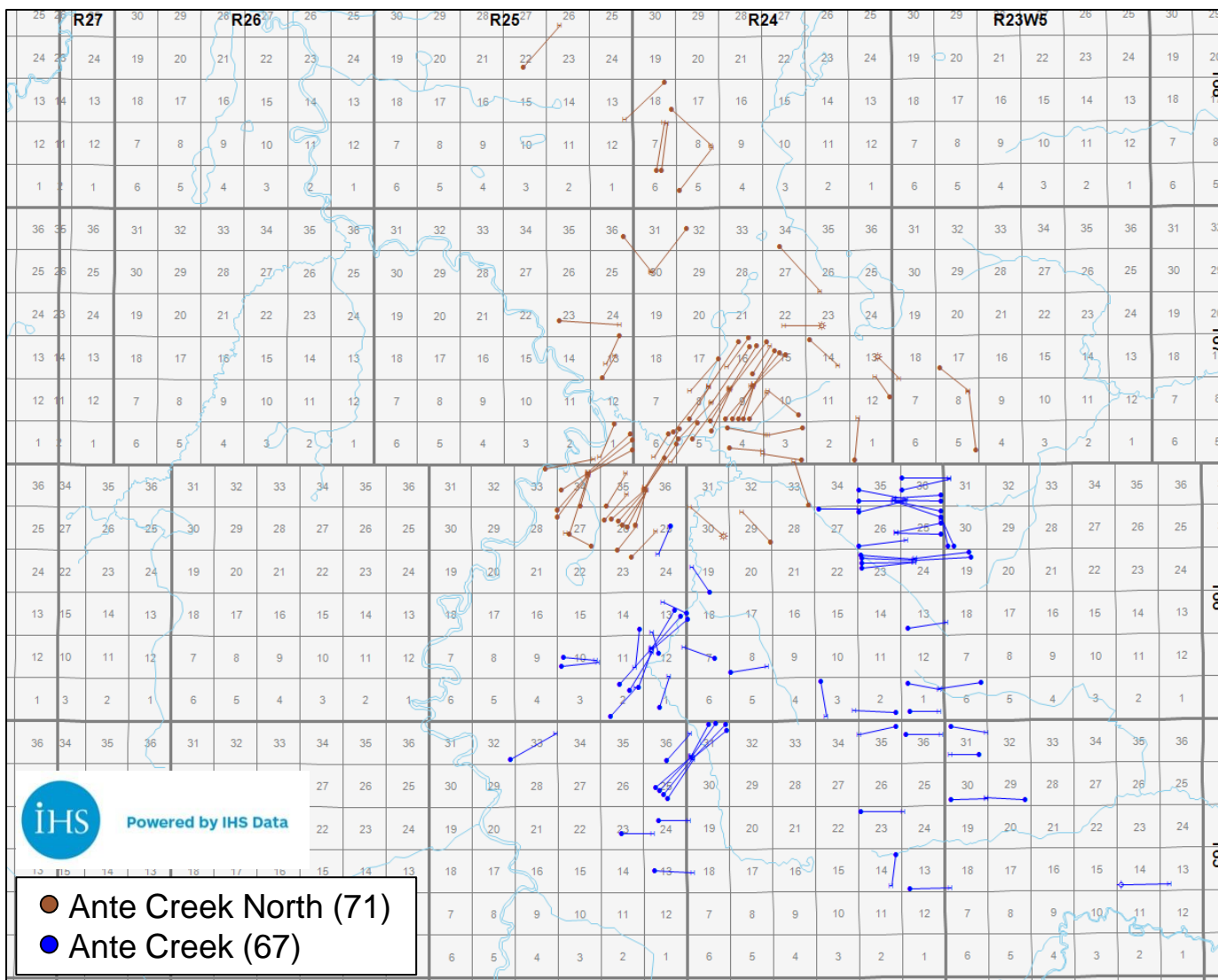
*Matt Baird*

*Managing Director, Data*

OPTIMIZE  
YOUR  
**COMPLETION**  
SUCCESS

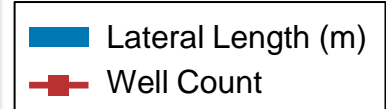
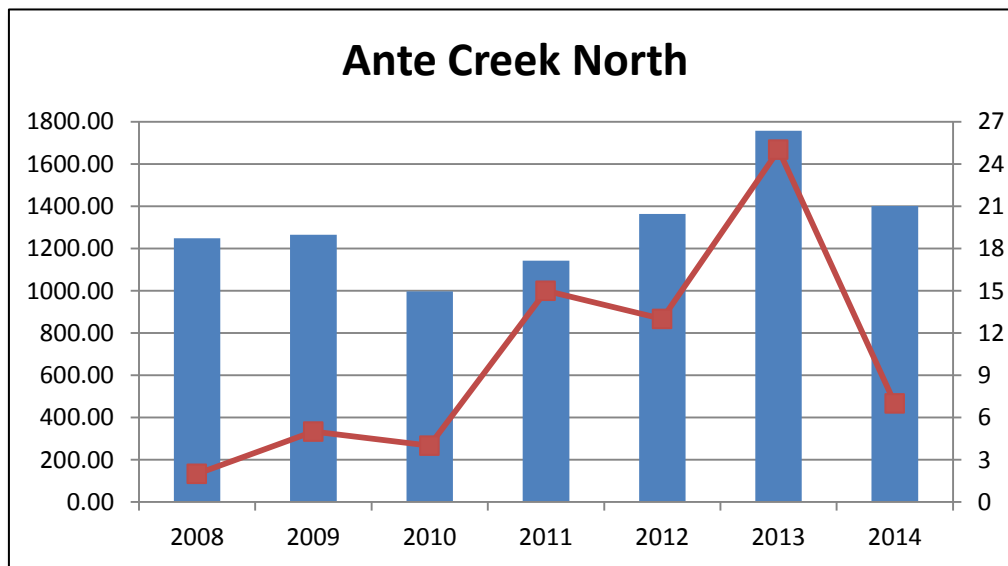
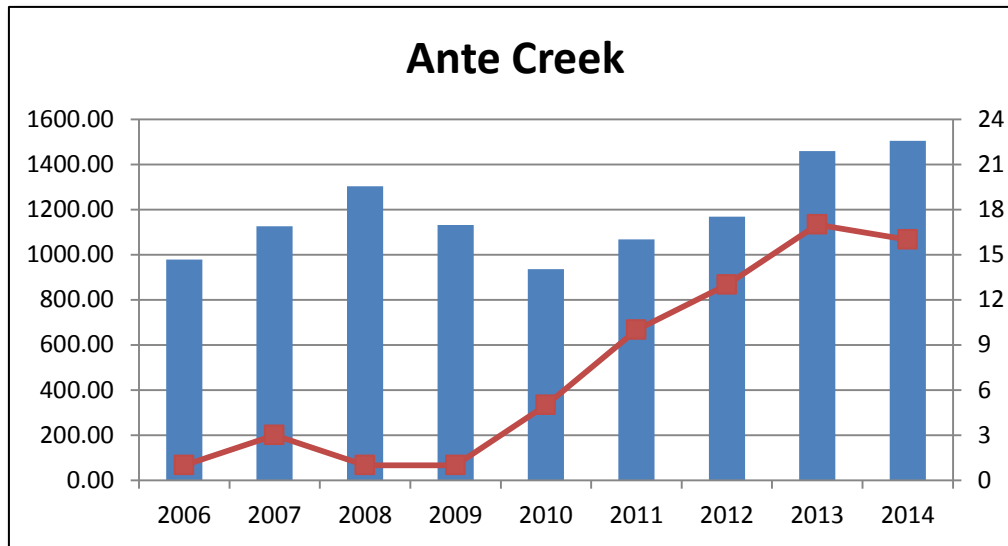
Canadian   
Discovery Ltd.

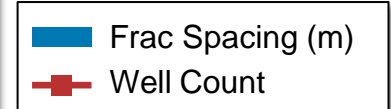
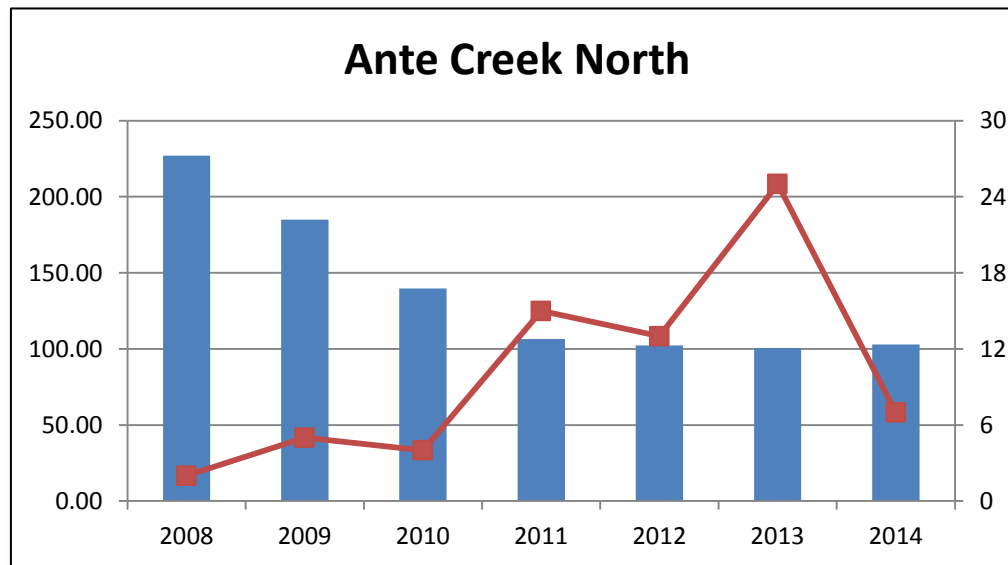
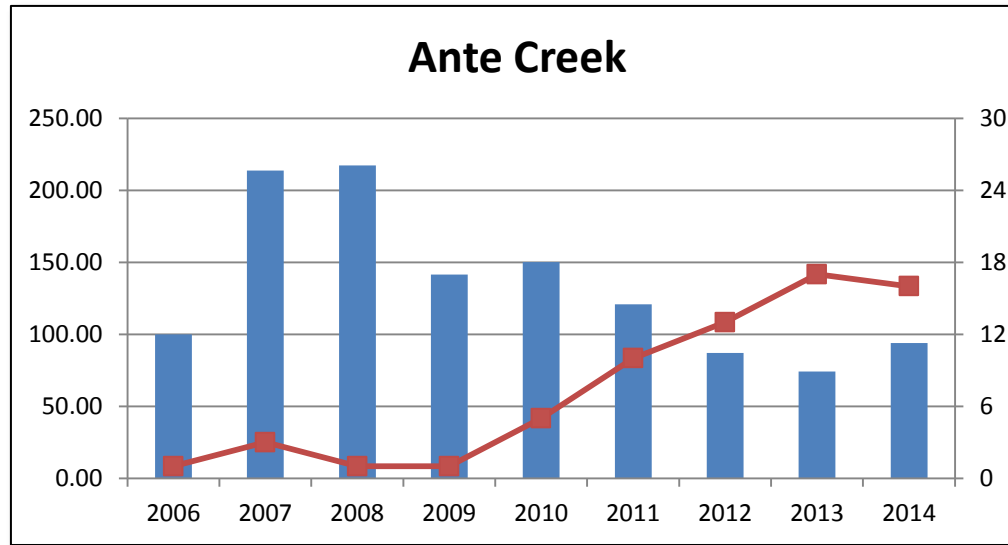
- Area of Investigation
- Completion Strategy Overview
- Case Study: Pad Comparisons
- Conclusion

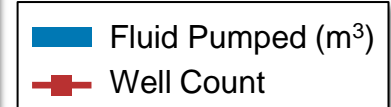
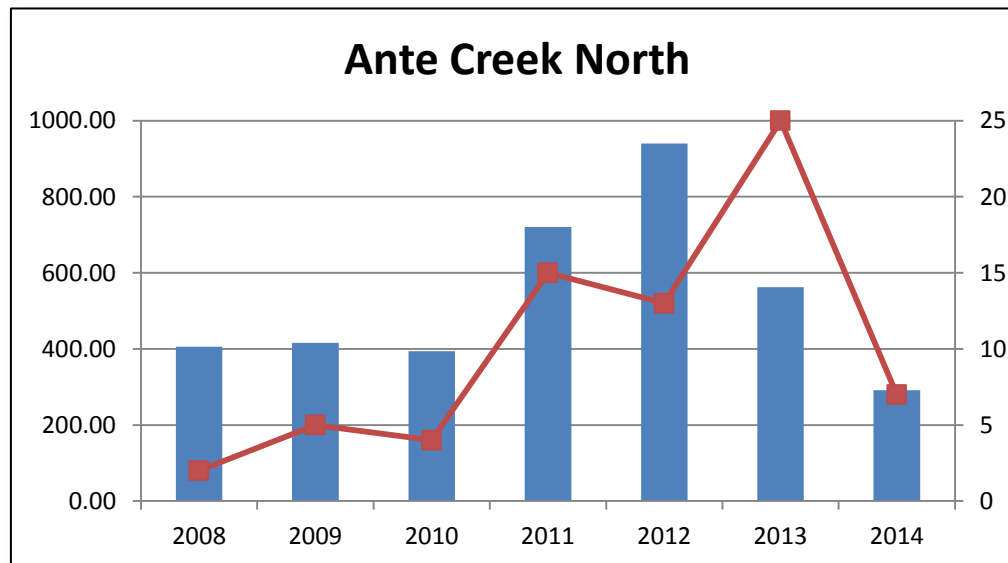
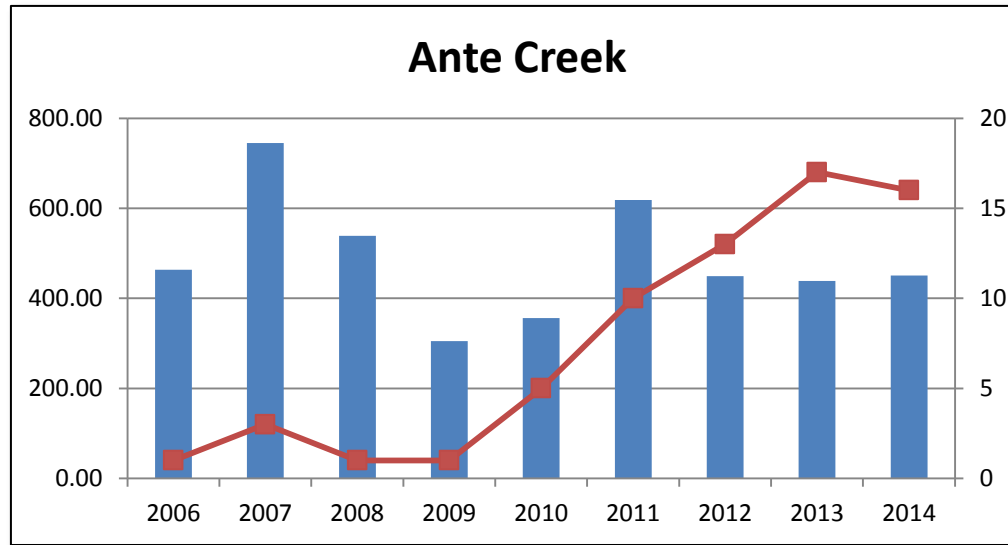


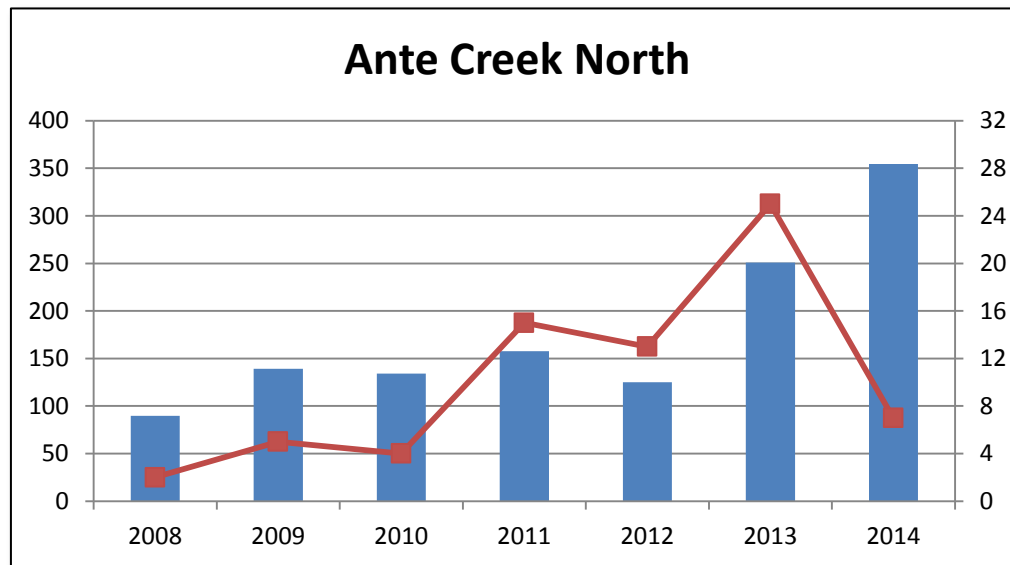
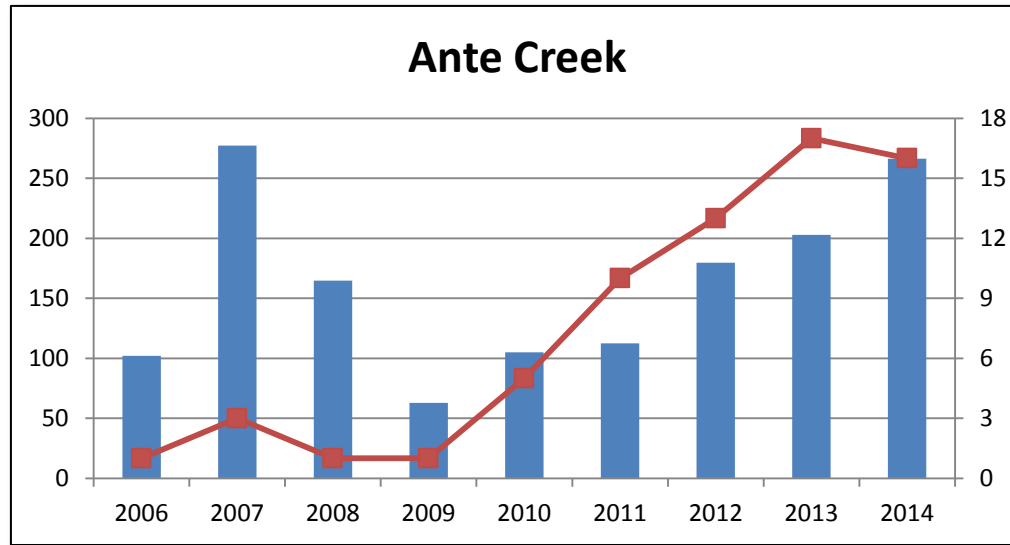
Completion Metric	Ante Creek	Ante Creek North
Lateral Length (m)	1481	1679
Average Frac Spacing (m)	93	107
Predominant Technology Group	Ball & Seat	Ball & Seat
Base Fluid (Water/Oil)	21/12	31/1
Foamed Fracture (Y/N)	17/16	20/12
Fluid Pumped (m <sup>3</sup> /well)	446	503
Usage of Ceramic Proppant	No	No
Proppant Pumped (t/well)	227	273

\*2013-Present (Oct 2014)

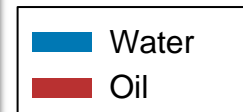
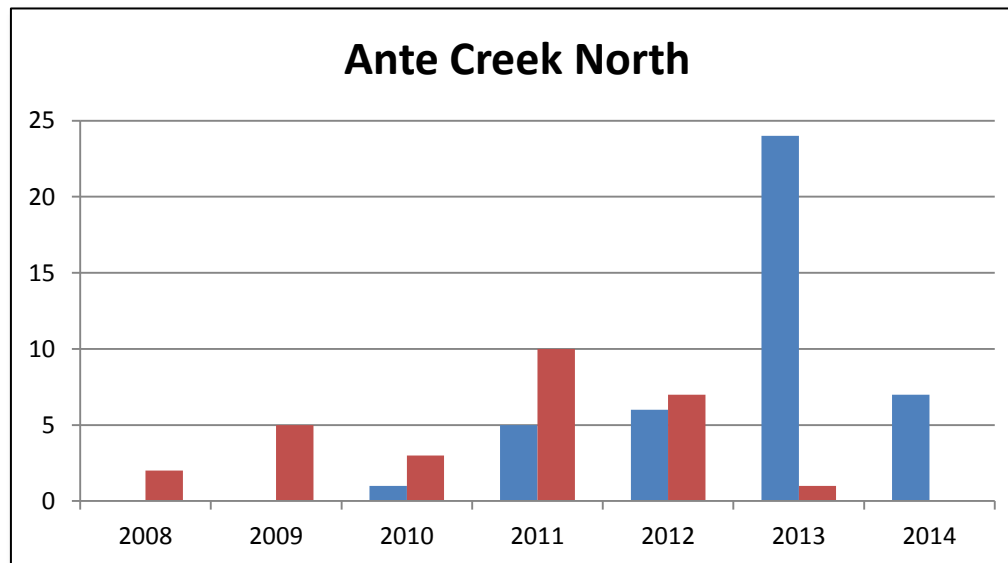
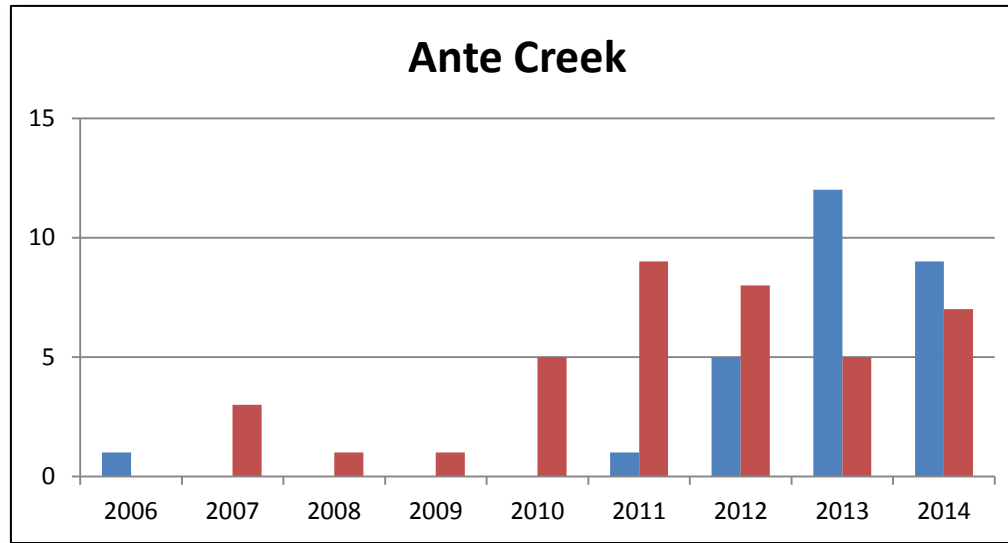


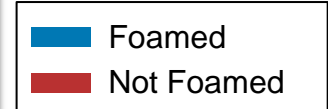
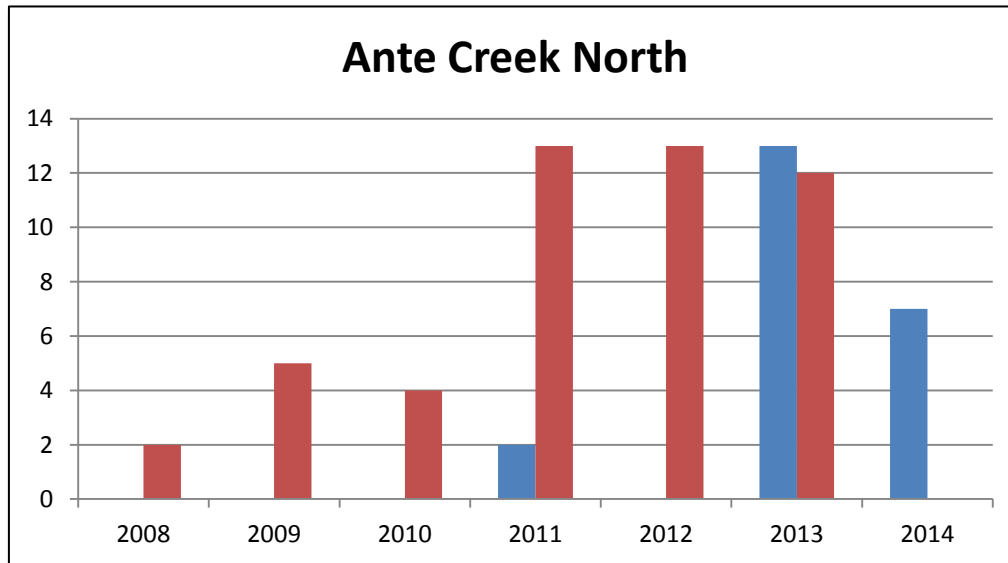
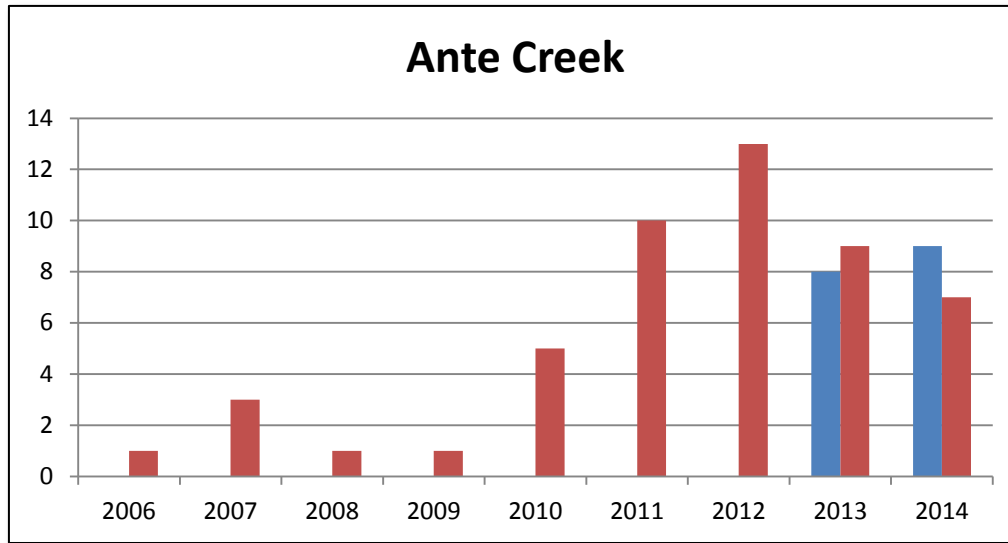




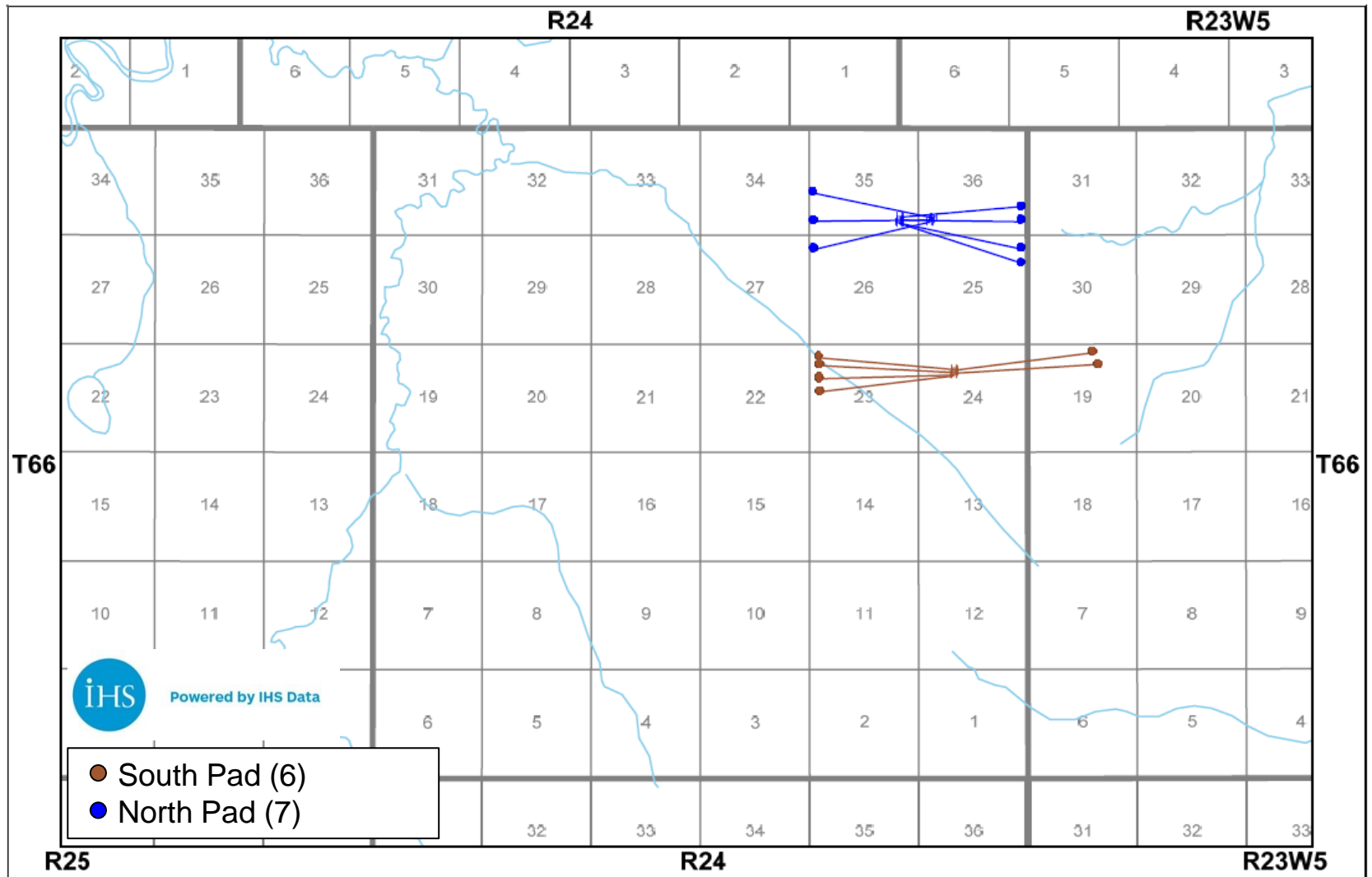






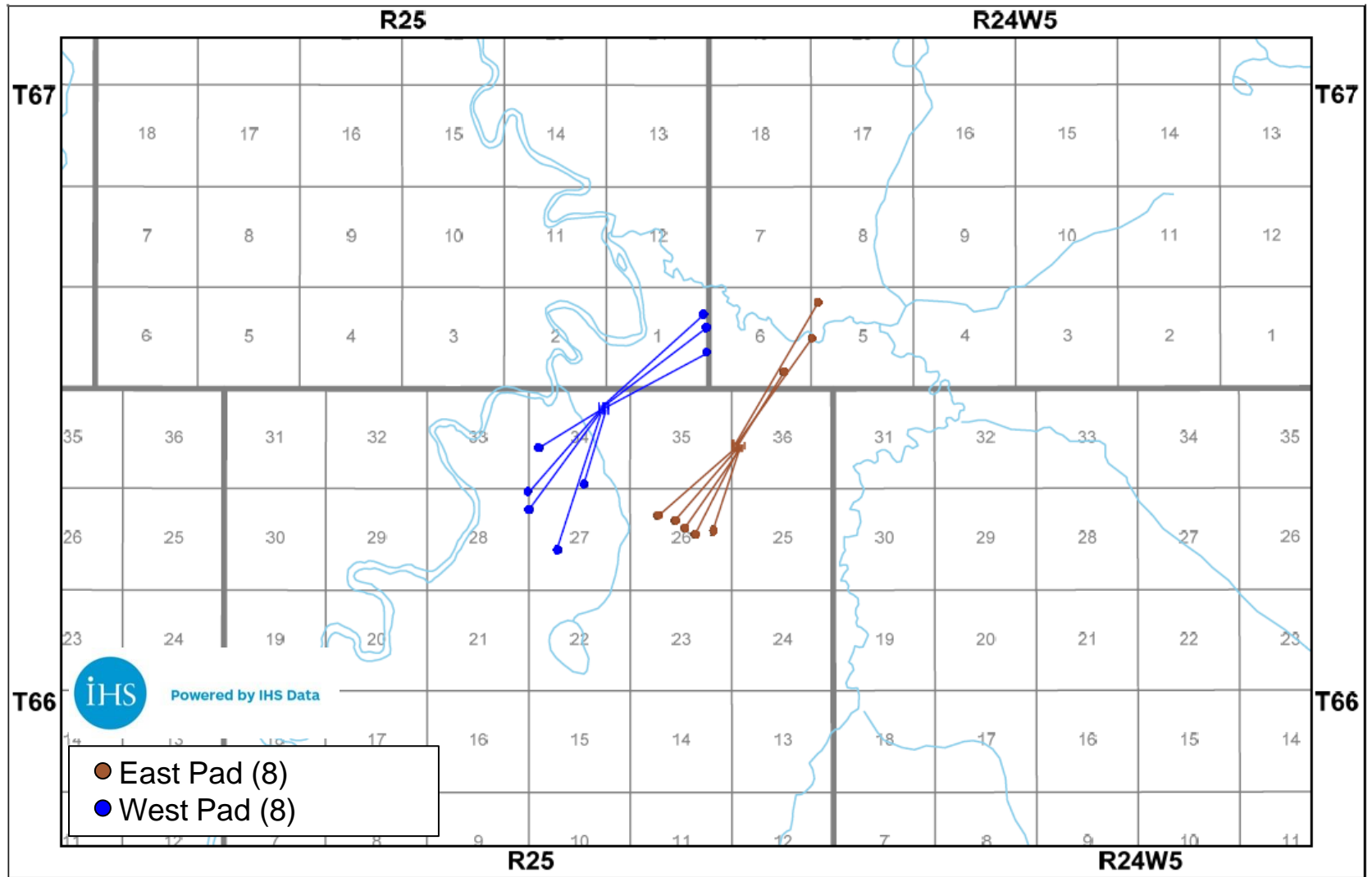


# Case Study: Pad Comparisons (Ante Creek)



Completion Metric	North Pad	South Pad
Well Count	7	6
Lateral Length (m)	1416	1832
Average Frac Spacing (m)	79	107.4
Predominant Base Fluid	N <sub>2</sub> Oil	N <sub>2</sub> Foamed Water
Fluid Pumped (m <sup>3</sup> /well)	592	402
Proppant Pumped (t/well)	189	294
Well Count (>6mo prod data)	5	2
Norm. 6mo Oil Rate (bbl/m)	0.382	0.209
Norm. 6mo Cum Oil (bbl/m)	87.2	34.1

# Case Study: Pad Comparisons (Ante Creek North)



## Case Study: Pad Comparisons (Ante Creek North)

Completion Metric	West Pad	East Pad
Well Count	8	8
Lateral Length (m)	1632	1494
Average Frac Spacing (m)	103	128
Predominant Base Fluid	N <sub>2</sub> Foamed Water	Water
Fluid Pumped (m <sup>3</sup> /well)	372	482
Proppant Pumped (t/well)	255	219
Well Count (>6mo prod data)	8	8
Norm. 6mo Oil Rate (bbl/m)	0.109	0.053
Norm. 6mo Cum Oil (bbl/m)	25.2	12.3

- Revisit production comparisons when additional wells have reached a particular production milestone (e.g. 12 and 18 months production)
- Take a look at the effect of well completion orders on a pad
- Integrate geology with the completions and production data