



- **MET Survey Example for Exploration**



Exploration Example Maps

- The following maps demonstrate how a MET survey can identify exploration well locations.
- The Canadian township example had limited drilling at the time of the survey (1997).
- Please note that industry drilled these locations **WITHOUT** knowledge or use of MET data.
- Conversely, MET recommendations were based **ONLY** on MET data.
- In principle, MET data should be used in conjunction with other available survey data such as seismic, etc.



Exploration Example Maps

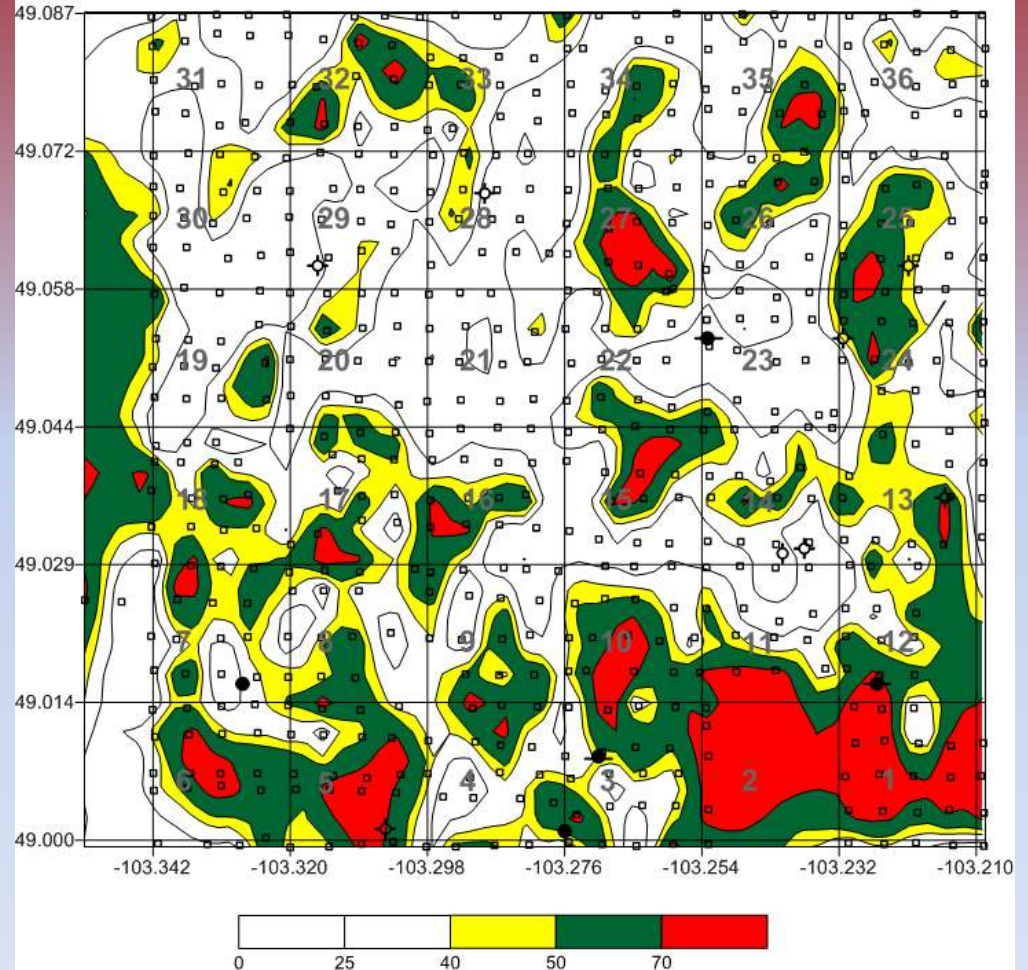
- The following three maps show different views of the Canadian township, T1-R10-W2.
- The First map is our original survey map produced in 1997. It shows our MET survey data and pre-survey wells.
- The Second map shows our MET data and up-to-date drilling results as of 2012.
- The Third map shows our MET data and up-to-date drilling with the production bubbled to scale. The map is color coded to show pre-drilling, MET recommended drilling and Non-MET recommended drilling.



Field Location: T1 R10 W2
Sample Date: 1997



% Probability of Drilling Success Map



Original %PS Survey Map

This map shows the results from the MET survey completed in 1997.

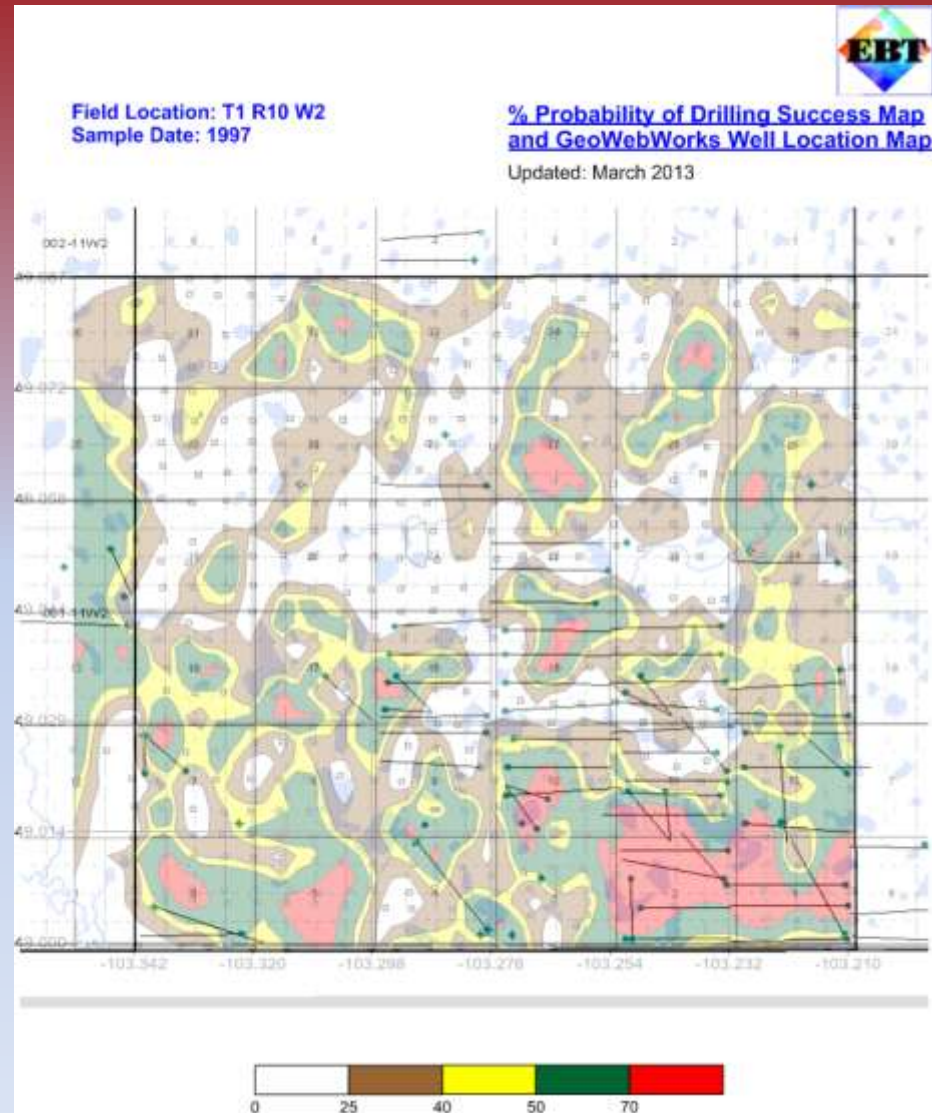
Areas in red have the highest MET values, and are considered areas of interest.



Survey Area with Updated Wells

This map shows the survey area with updated drilling (2012).

Notice the drilling in the southeast corner is also where we have the highest %PS values.

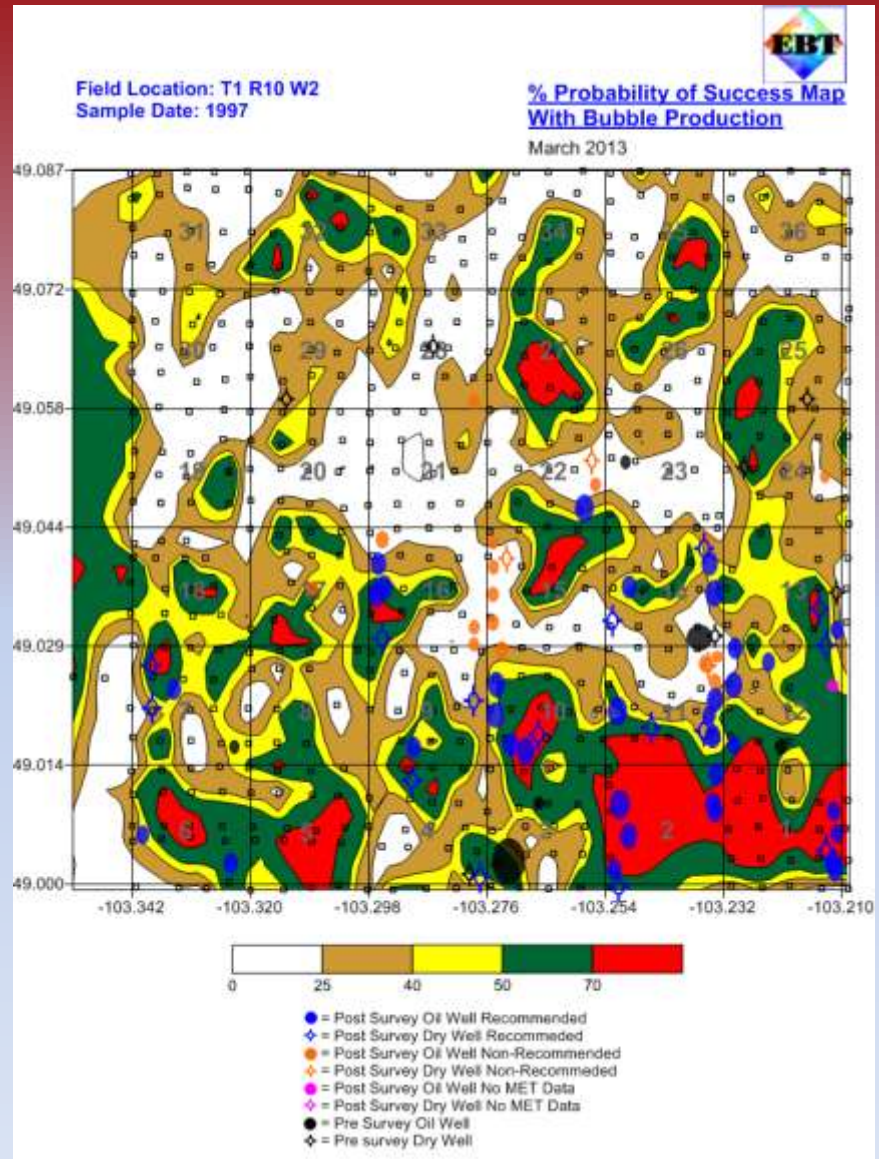




Survey Area with Production Bubble

This map shows the survey area with production bubbled to scale.

This map is color coded to represent recommended and non-recommended locations. Blue wells are recommended.





Summary of T1 R10 W2 Township Survey

- The areas of highest MET Values were in sections 1-3 and 10-12. These sections produced 65% of the oil from the township.
- IOP of **MET recommended locations was 200 BOPD** while IOP from **non recommended locations was 131 BOPD (52% greater)**.
- Of the top 10 producing wells, 9 were at MET recommended locations.
- 8 of the 9 wells with IOP greater than 200 BOPD were MET recommended locations while only 2 of 6 wells with less than IOP of 100 BOPD were MET recommended.