



Ryan Directional Services Reduced Drilling Time 20% in Eagle Ford Field

Ryan Directional Services has been providing directional services for a major Operator's Eagle Ford project since December 2010. The reason the operator has been so successful is Ryan's diligence in continuing to consistently exceed their drilling requirements. The operator's drilling requirements for their 2013 Eagle Ford program was to drill their wells from spud to rig release in under 12 days. Ryan was able to exceed this requirement and averaged 10½ days per well.

Ryan drilled 230 Eagle Ford wells in 2013. At an average spread rate of \$50k/Day and a savings of 1½ days per well, this is equivalent to \$17,250,000 in savings to their drilling program.

Ryan Directional Services has consistently surpassed the customer's expectations as can be seen below in the ROP performance data for 2014 work through Q2 in the Eagle Ford, for an average saving of 20% per well.

	Wells	ROP	
Total Curves	75	88.3'/Hr	
Curves <15 Hrs	61	94.9'/Hr	81.3%
Curves <12 Hrs	48	100.9'/Hr	64.0%
Curves <10 Hrs	33	107.4'/Hr	44.0%

2014 Eagle Ford Curve Statistics
LaSalle & Dimmit Counties

	Wells	ROP	
Total Wells	75	88.3'/Hr	
Wells 6 Days or less	65	94.9'/Hr	86.7%
Wells 5 Days or less	53	100.9'/Hr	70.7%
Wells 4 Days or less	24	107.4'/Hr	32.0%

2014 Eagle Ford Curve & Lateral Days & ROP per well
LaSalle & Dimmit Counties

Challenge

- Optimize drilling performance
- Reduce drilling time and costs
- Goal—drill wells from spud to rig release in under 12 days

Solution

- Deployed Blue Force motor line and drilling optimization techniques

Results

- Saved average of 20% per well on drilling costs
- Drilled 230 wells that averaged 1½ days savings per well, this is equivalent to \$17,250,000 in savings
- Achieved average drilling performance of 10½ days per well.