

## CATENA Angel (ENGIE Electroproject B.V.)

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**Van:** Martin Sanderson <MSander@slb.com>  
**Verzonden:** woensdag 7 november 2018 09:37  
**Aan:** CATENA Angel (ENGIE Electroproject B.V.)  
**CC:** avreman@einenterprise.com  
**Onderwerp:** RE: [Ext] Evidence of good performance for rigs 42 and 57.

Angel

I can confirm that two advanced soft-torque systems were installed on KDC-57 and 42.

For the installation on KDC-57, a success flyer was made. Comments made by the Senior Well Engineer

“Advanced soft torque was installed in KDC-57, the stick slip was dramatically reduced and the ROP was improved especially in the 6 1/8” section.”

Secti on	Average ROP m/hr	OB ROP m/hr SA-0677	Time saving hrs	Actual saving \$
12 ¼	28.71	42.09	13.02	27127.5
8 ½	24.71	41.94	16.89	35191.4
6 1/8	60.46	77.01	10.19	21238.3
Total Saving				83557

Regards  
Martin