



CASE STUDY

Rever Offshore - Well Severance, UKCS

Our expert team have successfully completed well severance on the Viking Gas Field, Southern North Sea, with 30" multi-string conductors complete with grouted annuls, cut 3m below the seabed.

The Viking Gas Field, located in UK waters of the Southern North Sea, approximately 85 miles east of Theddlethorpe, was first discovered in 1968, with gas production beginning in 1972. The field consists of seven unmanned platforms plus one manned main complex, Viking B.

Project scope specified an internal string conductor cutting system to sever 3 conductors, over 3 locations. In addition, 2 off piles were to be internally cut and removed at the JD pigging skid.

Site	Strings at cut depth	ID @ 3m	OD @ 3m	Grouted
Site 1	4	9 5/8"	30"	Yes
Site 2	4	10 3/4"	30"	Yes
Site 3	1	30"	30"	N/A
JD pigging skid	2 piles x 2 cut	605mm ID	29mm WT	N/A

JFO deployed its ultra high pressure abrasive water jet cutting system along with an expert offshore team for 24 hour operations.

The JFO abrasive water jet cutting system offers full depth cutting action without the risk of snagging. It is the most powerful and precise abrasive cutting at 36,000psi with patented air surrounded jet, supported by a 3S verification system to provide real time monitoring and cut confirmation.



All cuts were completed safely and on schedule, with accurate results.

Site	Strings at cut depth	ID @ 3m	OD @ 3m	Grouted	Number of cuts	Cut time
Viking DD	4	9 5/8"	30"	Yes	1	213 minutes
Viking ED	4	10 3/4"	30"	Yes	1	220 minutes
Viking KD	1	30"	30"	N/A	1	36 minutes
JD pigging skid	2 piles x 2 cut	605mm ID	29mm WT	N/A	4	37 minutes per cut

The combination of JFO's expert team, experience and unique cutting system ensured 100% customer satisfaction.

"5/5 for Project management and Reporting. Delivery, Quality of Service and Equipment, Health and Safety and environmental awareness...Excellent. Tools worked well, one of the best internal abrasive systems I have seen"

Client Senior Project Engineer



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