



Western Energy

# Western Energy

New Zealand Geothermal Workshop 2019



## Western Energy

Wireline Diagnostics &  
Intervention

Completion Testing

Production Testing

Coil Tubing Well  
Intervention

Well Monitoring &  
Maintenance

Engineering &  
Operations Management

Turn-key project  
management





## We Went Fishing

Engineering +  
Collaboration =  
Success





## Got Enthalpy?

For the 2019 NZ  
Geothermal  
Association Seminar





## Live Well Cleanout Developed in partnership with Contact Energy

Removing scale  
from production and  
injection wells while  
hot and flowing



## Live Well Cleanout

Previous rig cleanouts  
took 6 weeks

Hot - well integrity is not  
compromised

Fast - Cleanout is faster  
and more effective

Scale is removed – no  
fill or formation damage

The well is back online  
the same day

Better recovery - more  
Production





## Live Well Cleanout

Cleaned out >35 wells  
for 5 clients in NZ & US  
Typically 1 day in hole  
Well online immediately  
6-5/8" - 16" casing size  
Depths 700m-3000m  
165-320 C (330-610 F)





## Salton Sea, California

Significant well  
scaling issues

Frequent cleanouts  
with limited success

Generation  
compromised

Needed a new  
solution





## Live Well Cleanout – Energy Source

Successful 16” casing  
live well cleanout  
‘Engineer-plan-execute’  
Game changer for scale  
management



## Game-changing innovation



Western Energy’s innovative live-well cleanout approach has been a game changer for us in addressing wellbore scale.

Western Energy planned and delivered an effective solution that was instrumental to maximize well performance with minimal downtime.

We see their technology as an opportunity to reduce frequency of well cleaning events, increase operational efficiency, and maintain integrity and longevity of existing wells.

**DEREK BENSON**

Chief Operating Officer, Energy Source (USA)





## Abandonment Campaign

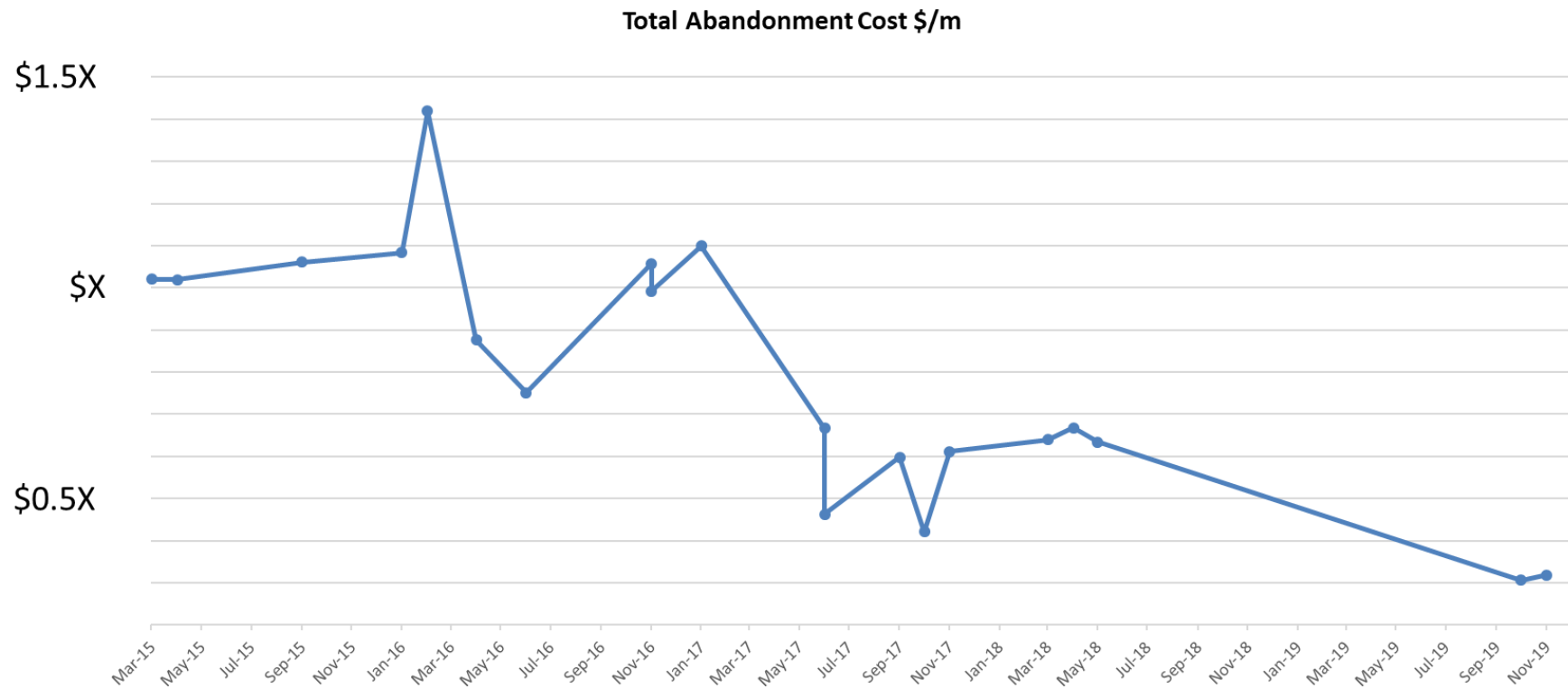
‘Engineer-plan-execute’  
multi-well abandonment  
campaign





## Abandonment cost reduction

Cost decrease through innovation and collaboration





# Performance Testing

Fast rig-up

Low emissions

Remote monitoring





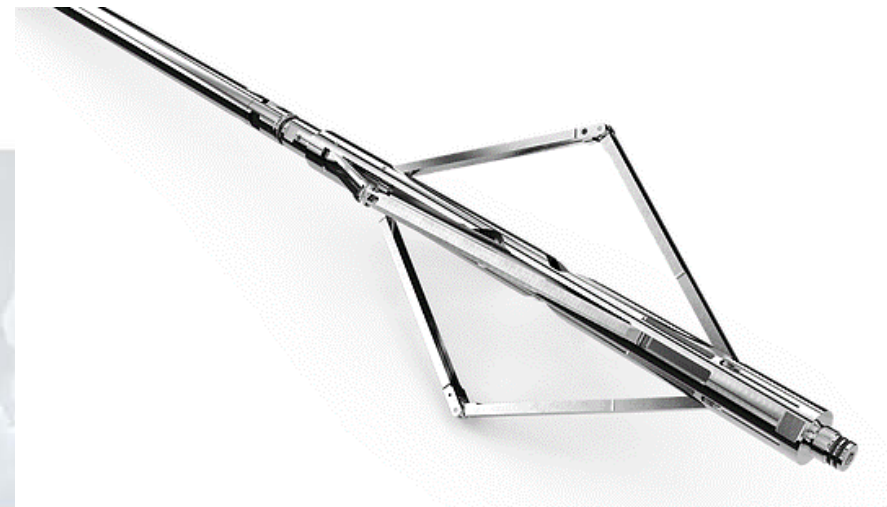
## Wireline Services

New equipment

New tools

Great people

Great service





# NOW HIRING

## Positions Available:

- Slickline Supervisor / Crew Chief
- Project Engineer
- Trainee operators and experienced operators for Wireline and Well Intervention
- Summer interns

*For more information email  
[karl@westernenergy.co.nz](mailto:karl@westernenergy.co.nz)*

[westernenergy.co.nz](http://westernenergy.co.nz)



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