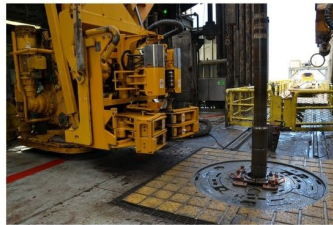




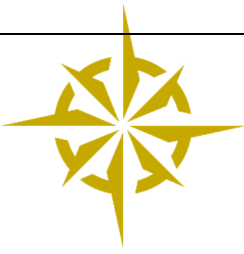
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Professionals you can TRUST!



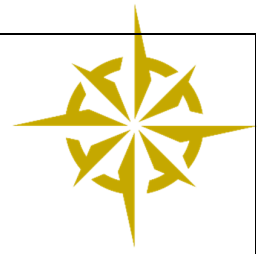
**Drilling & Completions**  
**Technical Competency Assessment Report**  
for  
<name>

**17 JANUARY, 2021**

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**COMPASS REPORT**



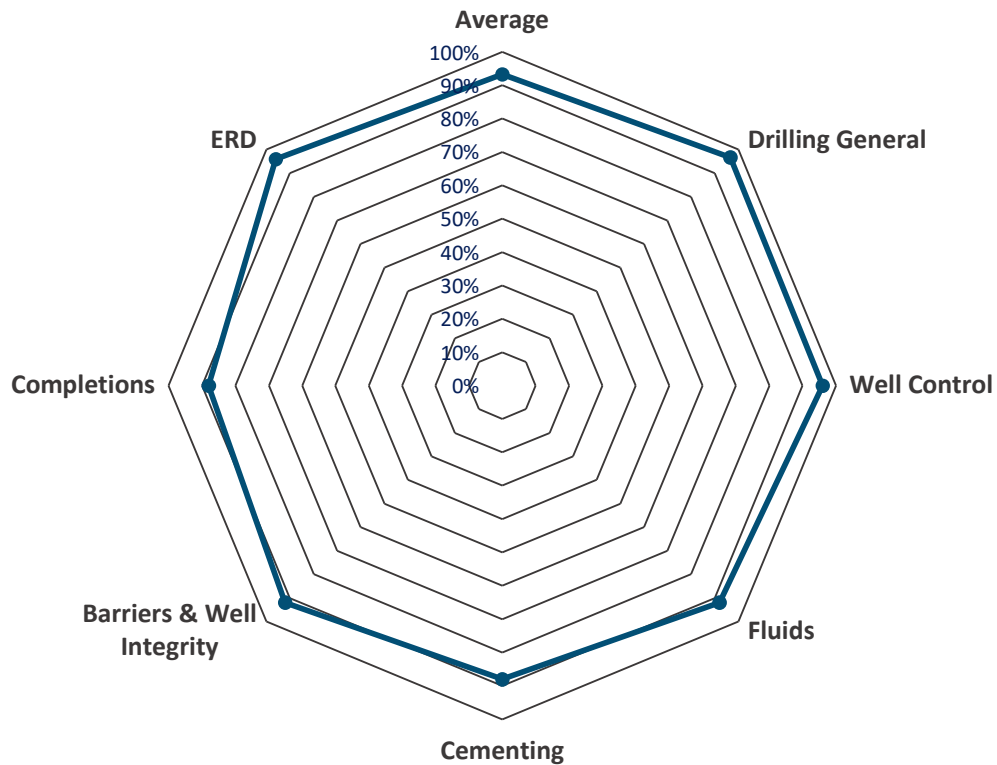
Candidate: <Name>

This report has been compiled based on the test results from the COMPASS Competency Assessment System developed by Protrust AS.

The candidate completed 8 modules of the COMPASS system with the following results:

#	Module	Questions	Correct	Fail	Result	Grade
1	Acronyms	40	38	2	95.0%	A
2	Drilling General	60	58	2	96.7%	A
3	Well Control	25	24	1	96.0%	A
4	Fluids	25	23	2	92.0%	A
5	Cementing	25	22	3	88.0%	A
6	Barriers & Well Integrity	25	23	2	92.0%	A
7	Completions	25	22	3	88.0%	A
8	ERD	25	24	1	96.0%	A
	Total (excl. Acronyms)	210	196	14	93.3%	A

**Competency Profile for <Name>**



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Guidance on the results:

Score	Grade	Result	Level
> 85 %	A	Qualified to deliver and lead complex tasks	Senior Engineer Engineering Team Leader Drilling Supervisor/- Superintendent
75 – 85%	B	Qualified to deliver simple tasks	Engineer Night Supervisor
60 – 75%	C	Large gaps in knowledge – can contribute under qualified supervision	Trainee level
< 60%	D	Insufficient working knowledge – significant training and exposure required	Entry level

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The below table provide details of the questions where the given answer was incorrect:

1	Acronyms	Given answer (incorrect)
	IBOP	Intelligent Blowout Preventer
	SCBA	System Control Block Architecture
2	Drilling General	
	What bit type is best for drilling through chert nodules?	Diamond bits
	What are the most important fann reading for controlling ECD?	300 - 600 RPM
3	Well Control	
	How can a shallow gas influx be controlled?	By letting the well flow until the shallow gas zone is depleted
	The FOSV is operated by a wrench	False
	It is acceptable to reciprocate the pipe in a closed annular preventer if there is a risk of differential sticking	False
	A diverter does not need to be pressure tested	True
	When drilling with large uncertainty in pore pressure, what is the safest approach?	Use maximum allowable mud weight
4	Fluids	
	What is a gunk plug?	Settled material in the mud pits
	What is a breaker used for?	Spacer between two fluid systems
5	Cementing	
	How can the risk of micro annulus be reduced?	Add fibers to the cement slurry
	What should be the design viscosity for a spacer?	As thin as practically possible
	What is the target for Free Water for slurries across permeable hydrocarbon zones?	5%
6	Barriers & Well Integrity	
	What is required for a fluid column to be regarded as a barrier during drilling?	It needs to be solids free
	What is the definition of a permanent barrier?	Barriers that are verified by pressure testing
7	Completions	
	What is a drill-in fluid?	First batch of fluid after drilling out of the shoe
	What is the main purpose of ICD's?	Enable dual completions
	Worst case burst design load for production casing:	Tubing leak above packer
8	ERD	
	What is the most severe form of buckling?	Sinusoidal

Thank you for your business!

Protrust AS