



ReLine DL



ReLine DL Case History – Norway

PROBLEM

A major Norwegian operator needed to isolate the gas cap in a lateral well during a drilling campaign. Compared to conventional methods, the DL enabled the operator to kick-off much deeper in the well, eliminating the need to drill a section of the wellbore and install a tie back.

PROJECT DETAILS

Water = 317m
RKB elevation = 25.1m
Rig = COSL Promoter
Parent casing = 10-3/4", 60.7 lb/ft, VAM 21, P-110, 9.660" ID/9.504" Drift
Window information = Baker Hughes WindowMaster G2
Top of Window = 1,690.1m
Bottom of Window = 1,697.1m
Open hole = 10-1/2" & 9-7/8"
Drilling fluid type = WBM
Mud weight = 1,06-1,07 sg Per flow
Liner interval = 1,645m to 2,142m MD
Inclination = 90°

SOLUTION

502m 8 5/8" expandable liner set within underreamed 10 1/2" X 9 7/8" UR open hole and tied-back within 10 3/4" casing above Window. Resultant expanded ID of 8.652" allowed for drilling out of reservoir section to desired 8 1/2"

RESULT

Safely installed a 502m Coretrax ReLine DL expandable 8-5/8 x 10-3/4" open-hole liner system. The ReLine DL was installed thru a Baker Hughes Window-Master G2 window and into a 447 m under-reamed open-hole section from 1,697 to 2,144 m MD. The system was fully expanded within six hours and the entire project was completed in less than 40 hours. This saved 14 days rig-time and delivered significant project efficiencies.

2 x job's now complete

2 x further ReLine DL now on order



EXPANDABLE PIPE BODY					
Pre-Expansion			Post Expansion		
OD	8.625	inch	OD	9.400	inch
ID	7.790	inch	ID	8.620	inch
Weight	36.0	lb/ft	Wall	0.388	inch
Wall	0.417	inch	Drift	8.560	inch
Drift	7.665	inch	Internal Yield	6,079	psi
Internal Yield	4,230	psi	Collapse	2,130	psi
Collapse	3,560	psi	Expansion Ratio	10.6	%
Launcher OD	9.442	inch	Estimated Shrinkage	3.5	%
Grade	MST-550				

EXPANDABLE CONNECTION					
Pre-Expansion			Post Expansion		
Connection OD	8.750	inch	Connection OD	9.550	inch
Connection ID	7.745	inch	Connection ID	8.620	inch
Drift	7.665	inch	Drift	8.560	inch
Tensile Rating	284,806	lbs	Tensile Rating	348,775	lbs
Compressive Rating	284,806	lbs	Compressive Rating	313,898	lbs
Max DLS	12.7	%/100ft	Internal Yield	6,079	psi
Optimum Torque	19,200	ft-lbs	Collapse	2,130	psi
Max Torque	21,120	ft-lbs			
Yield Torque	24,000	ft-lbs			

