



CASE HISTORY

Well Intervention

Inflatable Bridge Plug

PLUG AND ABANDON CASING SECTION MILLED

Perform P&A Operations Below Milled Section of Surface Casing

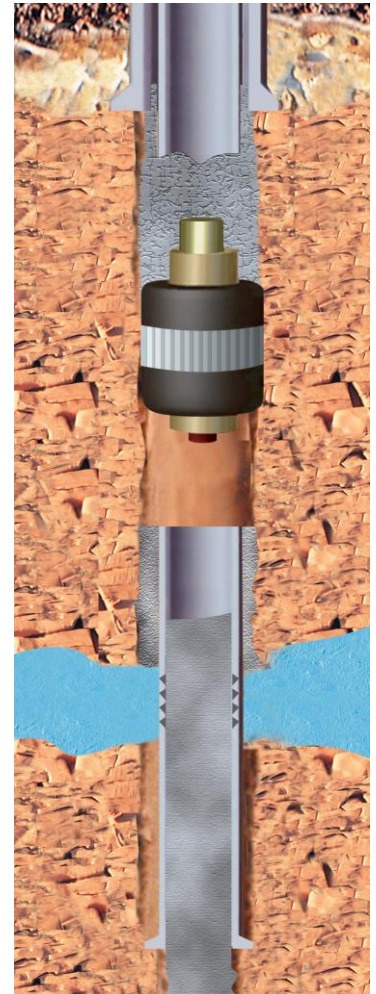
Location: Norway



CHALLENGE: Plug and abandonment rules in Norway require that cement plugs be placed in contact with formation face to assure long term elimination of shallow gas migration.

SOLUTION: Procedure is to section mill 40 ft of 13-3/8 in. casing away and under ream to 18-1/2 in. in the original 17-1/2 in. hole to remove any cement sheath and contact formation. An 11 in. OD inflatable bridge plug (IBP) was run through the 13-3/8 in. casing and inflated inside the 18-1/2 in. open hole at 543 ft. The IBP was pressure tested from above and monitored for possible gas bubbles for 24 hours. A 100 ft. cement plug was circulated above the IBP and squeeze pressure applied to assure good cement bond around surface casing stub at top of milled section.

RESULTS AND BENEFIT: TAM International completed the P&A of 6 wells on one platform with no resulting gas bubbling as had been seen on some prior wells plugged without using the IBP.



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