2.2 Casing / Cementing Summary

Plug and Abandon Baleen - 3

27th – 29th September 2004

Hole Size	13 3/8”
Depth	254.5 m

Casing Cut and pull casing

ID	9 5/8”
Weight	47 lb/ft
Grade	L – 80 collapse
Shoe Depth	866m
ID	13 5/8”
Weight	68 lb/ft
Grade	K – 55 burst
Shoe Depth	320m

Cement Details:

Job 1: Run and set EZSV packer

Sacks	200
Type	Class “G”
Additives	Halad 413L @0.123gal/sx CFR-3L @ 0.061gal/sx
Weight	15.8 ppg
Yield	1.16 cuft/sx
Volume	43 bbls

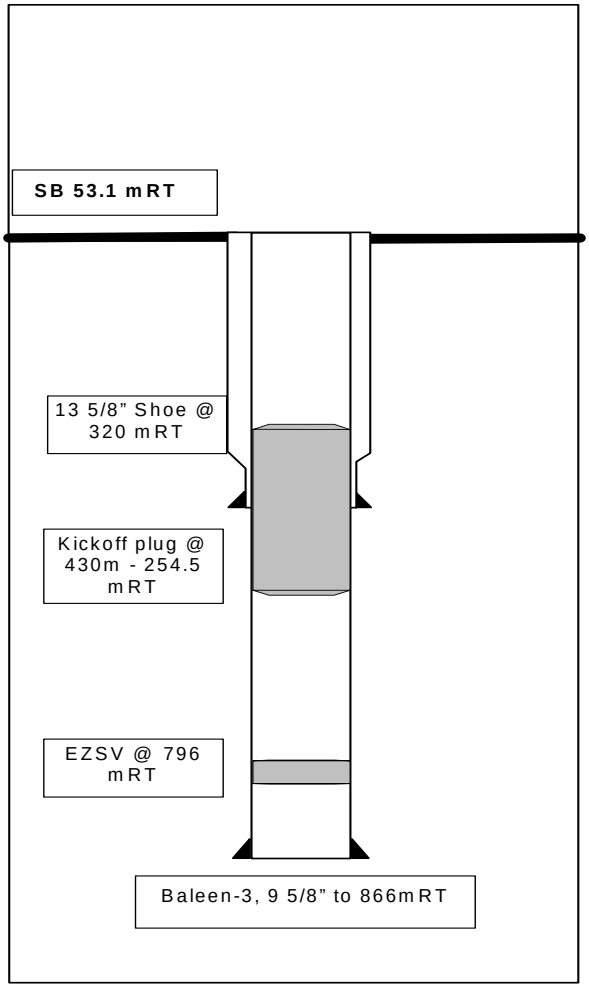
Job 2: Set Kickoff Plug

Sacks	395
Type	Class “G”
Additives	CFR-3L @ 0.096gal/sx
Weight	16.8 ppg
Yield	1.02 cuft/sx
Volume	72 bbls

Summary

After the 9 5/8” casing was cut and retrieved from 796m an EZSV packer was run and set at 796m and 43bbls of cement were pumped. This exposed the hole to new formation to 320m (13 5/8” casing. The next cement job was to set a kickoff plug for Baleen-4. A CST and dart were run to 435m and the stinger assembly was pulled back to 430m. 72bbls of cement was pumped to set a densified kickoff plug. Waiting on cement for over 24hrs. The first drilling assembly tagged top of cement at 254.4m.

13.625”/ 9 5/8” Casing
Cut and pull 9 5/8” casing
P & A Baleen-3.
Set cement kickoff plug.



9 5/8" Casing

17th – 18th October 2004

Hole Size	12 1/4"
Depth	1890 m

Casing

OD	9 5/8"
Weight	40 / 47 lb/ft
Grade	L – 80 / L -80
Shoe Depth	1885.39m
ID	9.1063" / 8.8875"

Cement Details:

Lead slurry:

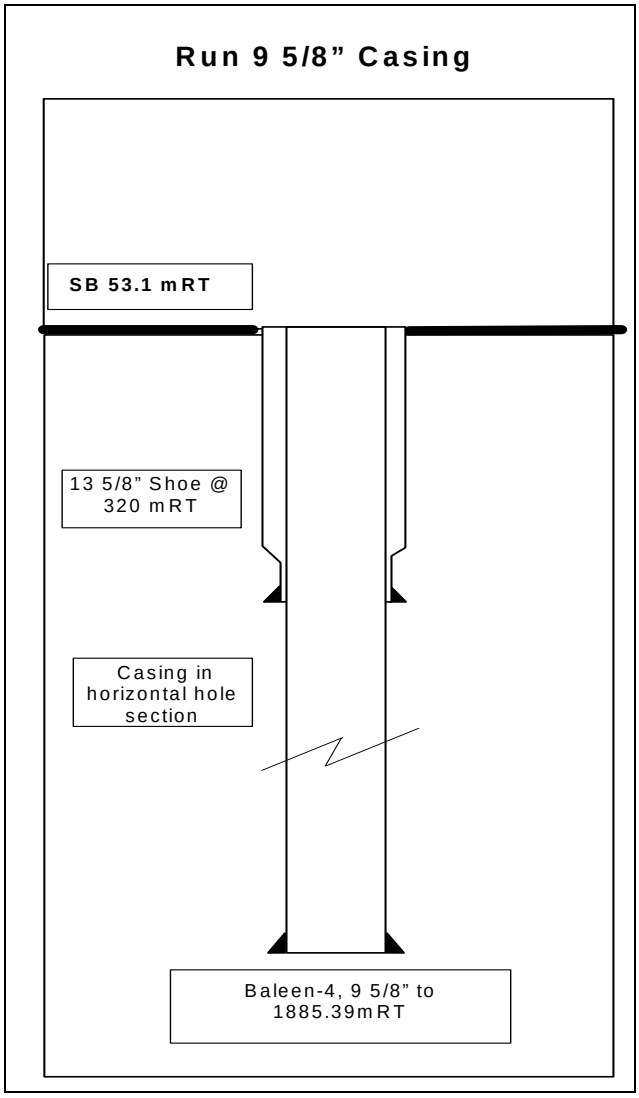
Sacks	315
Type	Class "G"
Additives	Gascon – 387gal
	Halad-344EXP - 95gal
	SCR-100L – 35gal
	NF-6 – 5gal
Mix Fluid	84bbls
Weight	12.8 ppg
Yield	1.96 cuft/sx
Volume	110bbls

Lead slurry:

Sacks	546
Type	Class "G"
Additives	Halad-413L - 160gal
	Halad-344EXP – 90gal
	SCR-100L – 16gal
	NF-6 – 5gal
Mix Fluid	90bbls
Weight	15.8 ppg
Yield	1.16 cuft/sx
Volume	115bbls

Summary

The 9 5/8" casing for this well was considered to be "floated" casing. The shoe and inter A joint were filled with spacer and then sealed off with a float joint. The next joints, inter B with the rest of the casing (40lb/ft type) up to 966m (73 joints) were left empty. Another float collar joint was then inserted into the casing string. The next casing joints to be run (64 joints) were the 47lb/ft variety which were filled with KCL brine spacer. At 1806m 10-30klb drag was noted, but with a custom made top drive push plate these tighter areas were overcome. The casing was landed out at 1885.39m (shoe depth). A side entry stand was made up and connected to the cementing unit and the casing floatation collar was sheared with 2400 psi.



This allowed the KCL brine to drop to the bottom and the excess air vented from the casing. The casing was then filled with 9.4ppg brine. The riser was then displaced from SOBM to seawater. A plug was then pumped down to the shoe track float collar with a 200psi spike noted. The cement lines were then rigged up and 34bbls of spacer pumped. The cement was then mixed and pumped as per program with 110bbls lead slurry at 12.8ppg and 115bbls of tail-slurry at 15.8ppg. The cement was then displaced with help of the rig's pumps and plug was bumped at 4490stks=750psi and then pressured up to 1700psi with pressure unable to be maintained (cement head leaking).

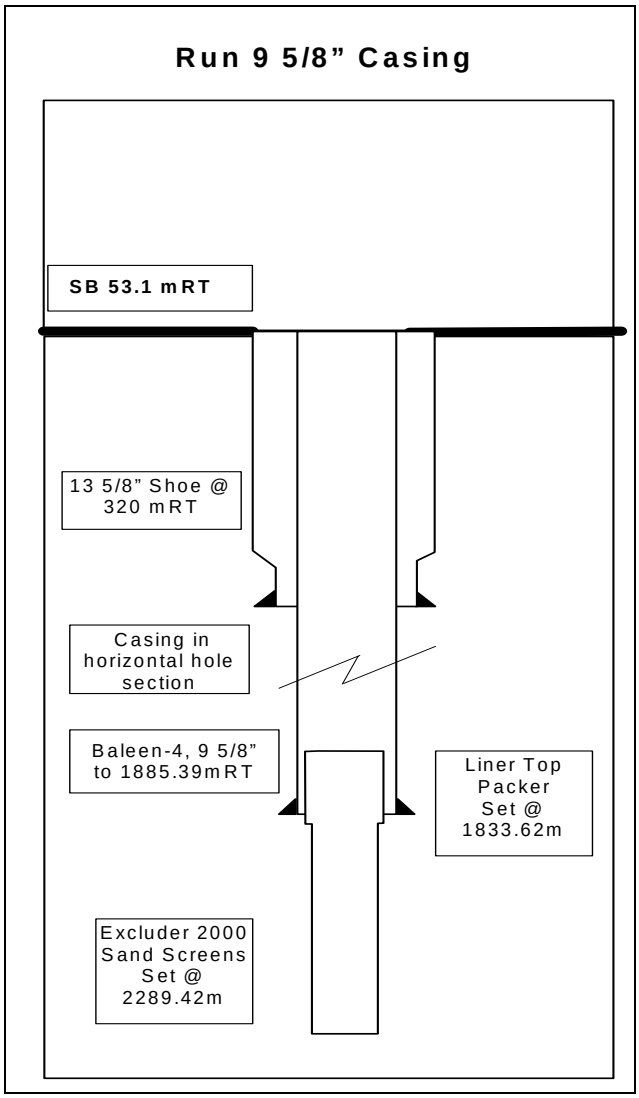
6 5/8" Production Liner

24th – 25th October 2004

Hole Size 8 ½"
Depth 2290 m

Liner

OD 6 5/8" (nom), 7.46"
Weight 24 lb/ft
Grade 13Cr-80
ID 5.921"



Summary

A GPV set shoe was picked up & tested, before picking up and running 34 joints of 'Excluder 2000' Sand Screens on 5 joints of 7" tubing, which were made up to a ZXP Liner Top Packer & a Running Tool. Some joints of screen were damaged due to over-torquing. A False rotary table was then made up, and 48 joints of 2.875" tubing run inside the screens as a stinger. The assembly was the run in on 5" drillpipe to the shoe, using 3 right-hand turns of rotation per stand. At the shoe, bottoms up was circulated, before continuing to run in hole to bottom, where bottoms up was again circulated. The cementing unit was then used to circulate the enzyme pill to clean out the sands of filtrate. The Hanger was then set and the running tool pulled out of the hole & the tubing laid out. A number of casing scraper runs were then conducted, first to clean out the riser, then the 9.625" casing. Production tubing was then run and the completion program proceeded.