

# SAGASCO Resources Ltd

## CASING AND CEMENTING RECORD

Well Name: King 1 Permit: T/18P  
 Job Type: 13 3/8" Casing Rig Name: Ocean Epoch

**CASING DETAILS :**

Jts	Size	Weight	Grade	Range	Connection	Burst	Collapse
25	13.375"	68 ppf	K55	3	Buttress	23770 kPa	13340 kPa

Note: All measurements RKB; give depth of float collar and float shoe.

Description	Length	Bottom	Top
13 3/8" Float shoe (Weatherford)	0.44	394.44	394.00
2 jt casing	23.78	394.00	370.22
13 3/8" Float collar (Weatherford)	0.49	370.22	369.73
23 jts casing	270.05	369.73	99.68
1 x 13 3/8" pup jt	1.55	99.68	98.13
1 X-O 13 3/8" Buttress x 20" ALT pin up.	1.28	98.13	96.85
18 3/4" Housing (Vetco SG5 - 20" ALT box down)	3.60	96.85	93.25
DP to RT	93.25	93.25	0.00
<b>Total :</b>	<b>394.44</b>		

Centralisers: Number: 5  
 Location: 1 @ 4m above shoe with stop ring. 1ea on first 4 casing collars.

**Cementing Data**

Mud Type: SW/Bentonite

Mud Wt (ppg): 8.9 VIS/PV/YP: - Gels (10s/10m): WL (ml):

Bit Size (in): 17.5 Total Depth:(m) 405.00 Ave. Hole Dia." 17.5 Based on: Bit

Last Casing : Size / Weight : 30/310 ins / ppf Set at : (m) 127.46 Excess (%) : 100

Cement Fill : Lead Slurry : From : (m) 294 To : (m) 94.48 RT to GL : (m)

Tail Slurry : From : (m) 394.44 To : (m) 294 RT to ML : (m) 94.48

Hole Volume: Open Hole-cuft: 1456 Cased Hole-cuft: 396 Total : 1852 cuft.

Slurry Volume: Lead Slurry-cuft: 1360.4 Tail Slurry - cuft : 575 Total : 1935.4 cuft.

Mud Flush : 5 Bbl.] [ Type: SW

Lead Slurry : Cement: 760 Sacks] [Class: G Slurry Density : 13.2 ppg

Additives: 2.2% prehydrated bentonite

Mix Water: 9.72 gal/sack FW or SW ? FW Slurry Yield : 1.79 cuft/sack

Tail Slurry: Cement : 500 Sacks] [Class: G Slurry Density : 15.8 ppg

Additives :

Mix Water : 5.00 gal/sack FW or SW ? SW Slurry Yield : 1.15 cuft/sack

**Displacement**

Cement Unit : Fluid 1 Type: SW Pumped: 10 Bbl. actual 10 Bbl. calculated

Fluid 2 Type: Pumped: Bbl. actual { Bbl. calculated

Mud Pump: Fluid 1 Type: SW Pumped: 126.3 Bbl. actual 125 Bbl. calculated

Fluid 2 Type: Pumped: Bbl. actual { Bbl. calculated

Plugs Used: Top - (Y/N) Y Type : SS Make: Halliburton

Bottom-(Y/N) N Type: Make:

Returns during job. (Y/N) Y Comment: Observe with ROV.

TIME Hr:min	Pressure psi	Rate BPM	Description/Comment
10:30			Rig & run casing
18:00			Land casing & rig up cement lines
18:30			Circulate 150 bbl SW. Observe returns with ROV.
19:22		3000	Test cement lines
19:25	300-400	5-8	Mix & pump cement
20:40			Release SS plug dart and displace with cement pump.
20:45			Shear SS plug with 2000 psi & displace 10 bbl SW with cement unit.
20:50			Displace with rig pump.
21:05	1500		Bump plug - hold for 5 mins - OK
21:10			Bleed off - no flow back.- Back out & retrieve R/tool.

**Remarks:**

Cementing Service Company: Halliburton Cementer: P.Watson  
 SAGASCO Representative: R.King/ J.Lambert Date: 2-Nov-92