



# Casing & Cement Well Name: 697-26A-21



02054393

**Casing Detail:**

Casing Description	Prop Run?	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	Set Tension (1000lbf)	Centralizers	Scratchers
Surface	Yes	5/9/2010 00:00	2,199.3			One rigid	
Wellbore Name	697-26A-21		Original KB Elevation (ft)	Water Depth (ft)		KB-Mud Line Distance (ft)	
			8,424.00				

Comment

045-19203

**Casing Components**

Joints	Item Description	Icon	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Top Thread	Length (ft)	Top (ftKB)	Bottom (ftKB)	Comment
0	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	0.00	24.0	24.0	
0	Landing joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	0.00	24.0	24.0	
1	Casing Hanger	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	3.18	24.0	27.2	
49	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	2,034.68	27.2	2,061.9	
1	Air Collar	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.60	2,061.9	2,063.5	
1	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	45.10	2,063.5	2,108.6	
1	Float Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	44.06	2,108.6	2,152.6	"A"
1	Float	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.24	2,152.6	2,153.9	"A"
1	Shoe Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	43.79	2,153.9	2,197.7	"A"
1	Shoe	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.66	2,197.7	2,199.3	"A"

**Cementing Job Details:**

String	Description	Type	Cementing Start Date	Cementing End Date	Cementing Company
Surface, 2,199.3ftKB	Surface Casing Cement	casing	5/10/2010 02:45	5/10/2010 17:35	BJ Services Company

Comment

No returns. Bumped plug @ 1274 psi Floats held OK. Got 1 bbl back. Final lift pressure prior to landing plug - 170 psi. Pumped 2 top outs for a total 315 sxs and 2 cubic yards of pea gravel.

**Cement Stage#1 Description:**

Stg No.	Top (ftKB)		Bottom (ftKB)	Pump Start Date	Pump End Date	Cement Volume Return (bbl)	Lost Volume (bbl)			
1	24.0		2,199.0	5/10/2010 06:50	5/10/2010 09:43	0.0				
Float Failed?	Plug Failed?	Full Return?	Pipe Reciprocated?	Pipe Rotated?	Top Plug?	Bottom Plug?	Plug Bump Pressure (psi)	Pressure Held (psi)		
No	No	No	No	No	No	Yes	1,274.0	1,274.0		
Initial Pump Rate (bbl/min)		Final Pump Rate (bbl/min)		Average Pump Rate (bbl/min)		Final Pump Pressure (psi)	Pres Rel Time	Plug Depth (ftKB)	Drill Out Time	Drill Out Dia (in)
5		3		5		0.0	09:35			

Comment

Primary Cement

**Spacer**

Density (lb/gal)	Class	Amount (sacks)	Yield (ft <sup>3</sup> /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
8.34				20.0		Fresh Water - other		5/10/2010 06:50	5/10/2010 06:55

Fluid Type

Spacer

Add	Type	Conc	Conc Unit	Amount	Amount Units
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**Lead**

Density (lb/gal)	Class	Amount (sacks)	Yield (ft <sup>3</sup> /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
12.30	Type III	1,088	2.09	404.0	11.62	Fresh Water - other		5/10/2010 07:00	5/10/2010 08:26

Fluid Type

Lead



**Marathon  
Oil Company**

**Casing & Cement  
Well Name: 697-26A-21**

Add	Type	Conc	Conc Unit	Amount	Amount Units
Calcium Chloride	accelerator	1.0 %BWOC			
Static Free	anti-static	0.05 lb/sk			
Bentonite	extender	8.0 %BWOC			
FP-13L	foam preventer	1.0 lb/100 sk			

**Tail**

Density (lb/gal)	Class	Amount (sacks)	Yield (ft <sup>3</sup> /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
14.20	Type III	150	1.47	39.0	7.35	Fresh Water - other		5/10/2010 08:26	5/10/2010 08:40

Fluid Type Comment

Tail

Add	Type	Conc	Conc Unit	Amount	Amount Units
Calcium Chloride	accelerator	1.0 %BWOC			
Static Free	anti-static	0.05 lb/sk			
FP-13L	foam preventer	1.0 gal/100 sk			

**Displacement**

Density (lb/gal)	Class	Amount (sacks)	Yield (ft <sup>3</sup> /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
8.33				164.0		Fresh Water - other		5/10/2010 08:51	5/10/2010 09:31

Fluid Type Comment

Displacement

Add	Type	Conc	Conc Unit	Amount	Amount Units

**Cement Stage#2 Description:**

Stg No	Top (ftKB)	Bottom (ftKB)		Pump Start Date	Pump End Date	Cement Volume Return (bbl)	Lost Volume (bbl)
2	24.0	2,199.0		5/10/2010 06:15	5/10/2010 14:32	5.0	
Float Failed?	Plug Failed?	Full Return?	Pipe Reciprocated?	Pipe Rotated?	Top Plug?	Bottom Plug?	Plug Bump Pressure (psi)
No	No	No	No	No	No	No	Pressure Held (psi)
Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	Average Pump Rate (bbl/min)		Final Pump Pressure (psi)	Pres Rel Time	Plug Depth (ftKB)	Drill Out Time
2	2	2					Drill Out Dia (in)

Comment

Top Out

**Top out**

Density (lb/gal)	Class	Amount (sacks)	Yield (ft <sup>3</sup> /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
14.20	Type III	315	1.61	92.0	7.35	Fresh Water - other		5/10/2010 14:10	5/10/2010 17:35

Fluid Type Comment

Top out 2 top outs for a total 315 sxs and 2 cubic yards of pea gravel.

Add	Type	Conc	Conc Unit	Amount	Amount Units
A-10		10.0 %			
Calcium Chloride	accelerator	2.0 %			
Static Free	anti-static	0.04 lb/sk			

**Wellheads**

Install Date	Type	Job	Removed Date	Comment
5/10/2010	WEATHERFORD WELLHEAD	ORIGINAL DRILLING, 5/8/2010 00:00		11" WFT-RL-R07 5,000 # WP