



# Casing & Cement Well Name: 697-26A-14



## Casing Detail:

Casing Description	Prop Run?	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	Set Tension (1000lbf)	Centralizers	Scratchers
Surface	Yes	5/11/2010 00:00	2,187.5			One rigid	
Wellbore Name			Original KB Elevation (ft)	Water Depth (ft)	KB-Mud Line Distance (ft)		
697-26A-14		8,424.00					
Comment							

## Casing Components

Joints	Item Description	Icon	OD (in)	ID (in)	Wt (lbs/ft)	Grade	Top Thread	Length (ft)	Top (ftKB)	Bottom (ftKB)	Comment
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	
51	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	2,030.62	27.2	2,057.8	
1	Air Collar	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.60	2,057.8	2,059.4	
1	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	38.84	2,059.4	2,098.2	
1	Float Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	43.60	2,098.2	2,141.8	
1	Float	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.24	2,141.8	2,143.1	
1	Shoe Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	42.74	2,143.1	2,185.8	
1	Shoe	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.66	2,185.8	2,187.5	

## Cementing Job Details:

String	Description	Type	Cementing Start Date	Cementing End Date	Cementing Company
Surface, 2,187.5ftKB	Surface Casing Cement	casing	5/6/2010 03:11	5/6/2010 16:00	BJ Services Company

Comment  
No returns. Bumped plug @ 895 psi Floats held OK. Got 1 bbl back. Final lift pressure prior to landing plug - 150 psi. Pumped 3 top outs for a total 575 sxs and 13.75 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		2,187.5		5/12/2010 13:47		5/12/2010 16:14		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	895.0	895.0				
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		150.0		16:19				

Comment  
Primary Cement

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		5/12/2010 13:47	5/12/2010 13:53

Fluid Type  
Spacer

Add	Type	Conc	Conc Unit	Amount	Amount Units
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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		5/12/2010 13:53	5/12/2010 15:18

Fluid Type  
Lead

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



**Marathon  
Oil Company**

**Casing & Cement**  
**Well Name: 697-26A-14**

Add	Type	Conc	Conc Unit	Amount	Amount Units
FP-13L	foam preventer		1.0 lb/100 sk		

<b>Tail</b>									
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		5/12/2010 15:23	5/12/2010 15:32

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		

<b>Displacement</b>									
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		5/12/2010 15:42	5/12/2010 16:14

Fluid Type	Comment
Displacement	

Add	Type	Conc	Conc Unit	Amount	Amount Units
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**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		2,187.5		5/12/2010 19:47		5/13/2010 03:00		5.0														
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		No											
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)	
2				2				2															

Comment
Top Out

<b>Top out</b>									
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	575	1.47	150.0	7.38	Fresh Water - other		5/6/2010 19:47	5/12/2010 03:00

Fluid Type	Comment
Top out	4 top outs for a total 575 sxs and 13.75 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		

<b>Wellheads</b>				
Install Date	Type	Job	Removed Date	Comment
5/12/2010	WEATHERFORD WELLHEAD	ORIGINAL DRILLING, 5/10/2010 06:00		11" WFT-RL-R07 5,000 # WP