



Casing & Cement Well Name: 697-2C-27



Casing Detail:

Casing Description Surface	Prop Run? Yes	Run Date	Set Depth (ftKB) 2,220.2	Set Depth (TVD) (ftKB)	Set Tension (1000lbf)	Centralizers One rigid	Scratchers
Wellbore Name 697-2C-27	Original KB Elevation (ft) 8,492.00		Water Depth (ft)		KB-Mud Line Distance (ft)		

Comment
045-16015

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	Hanger	Casing hanger	9 5/8	8.921	36.00	J-55	Buttress Thread	3.18	24.0	27.2	
47	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	2,062.42	27.2	2,089.6	
1	Air Collar	Casing (red)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.60	2,089.6	2,091.2	
1	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	42.29	2,091.2	2,133.5	
1	Float Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	43.46	2,133.5	2,177.0	
1	Float A	Float collar	9 5/8	8.921	36.00	J-55	Buttress Thread	1.23	2,177.0	2,178.2	
1	Shoe Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	40.34	2,178.2	2,218.5	
1	Shoe A	Casing shoe	9 5/8	8.921	36.00	J-55	Buttress Thread	1.67	2,218.5	2,220.2	

Cementing Job Details:

String Surface, 2,220.2ftKB	Description Surface Casing Cement	Type casing	Cementing Start Date 4/9/2010 10:20	Cementing End Date 4/10/2010 00:30	Cementing Company BJ Services Company
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Comment
No returns. Final lift pressure prior to bumping the plug - 50 psi. Bumped plug @ 1088 psi Floats held OK. Got 1 bbl back. Pumped 3 top outs for a total 665 sxs and 11 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		2,220.2		4/9/2010 11:14		4/9/2010 13:45		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		1,088.0		1,088.0							
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				50.0				13:45							

Comment
Primary Cement

Spacer

Density (lb/gal) 8.34	Class	Amount (sacks)	Yield (ft ³ /sack)	V (bbl) 20.0	Mix H2O Ratio (gal/sack)	Water Source Fresh Water - other	Excess (%)	Pump Start 4/9/2010 11:14	Pump End 4/9/2010 11:18
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Fluid Type
Spacer

Add	Type	Conc	Conc Unit	Amount	Amount Units

Lead

Density (lb/gal) 12.30	Class Type III	Amount (sacks) 1,088	Yield (ft ³ /sack) 2.09	V (bbl) 405.0	Mix H2O Ratio (gal/sack) 11.62	Water Source Fresh Water - other	Excess (%)	Pump Start 4/9/2010 11:23	Pump End 4/9/2010 12:49
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Fluid Type
Lead

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		



Casing & Cement Well Name: 697-2C-27

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

Tail

Density (lb/gal)	Class	Amount (sacks)	Yield (ft³/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		4/9/2010 12:50	4/9/2010 13:12

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 (ft³/sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
8.33				166.0				4/9/2010 13:20	4/9/2010 13:45

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	2,220.2	4/9/2010 18:30	4/10/2010 00:30	4.0			
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)
1		1	1						

Comment
Top Out

Top out

Density (lb/gal)	Class	Amount (sacks)	Yield (ft³/sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
14.20	Type III	665	1.47	174.0	7.38	Fresh Water - other		4/9/2010 11:14	4/10/2010 00:30

Fluid Type	Comment
Top out	3 top outs for a total 665 sxs and 11 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
4/9/2010	WEATHERFORD	ORIGINAL DRILLING, 4/7/2010 06:00		11" WFT-RL-R07 5,000 # WP