



02054227

asing & Cement
Well Name: 697-21A-23

SURFACE CASING
TOP OUT CEMENT

Casing Detail:

Casing Description	Prop Run?	Run Date	Set Depth (ftKB)	Set Depth (TVD) (ftKB)	Set Tension (1000lbf)	Centralizers	Scratchers
Surface	No	2/1/2010 12:00	2,221.0		88,000.0	one rigid	
Wellbore Name	697-21A-23		Original KB Elevation (ft)	Water Depth (ft)	KB-Mud Line Distance (ft)		
Comment	8,375.00						

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	Casing Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	0.00	24.0	24.0	
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	
46	Casing Joints	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	2,018.81	27.2	2,046.0	
1	Casing Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	42.85	2,046.0	2,088.8	
1	Air Collar	Casing (red)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.40	2,088.8	2,090.2	
1	Casing Joint	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	44.75	2,090.2	2,135.0	
1	Float Joint "A"	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	39.90	2,135.0	2,174.9	
1	Float collar "A"	Float collar	9 5/8	8.921	36.00	J-55	Buttress Thread	1.24	2,174.9	2,176.1	
1	Shoe Joint "A"	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	43.21	2,176.1	2,219.3	
1	Float Shoe "A"	Casing (black)	9 5/8	8.921	36.00	J-55	Buttress Thread	1.64	2,219.3	2,221.0	

Cementing Job Details:

String	Description	Type	Cementing Start Date	Cementing End Date	Cementing Company
Surface, 2,221.0ftKB	Surface Casing Cement	casing	2/1/2010 14:20	2/1/2010 19:00	

Comment

Final Lift Pressure - 0 psi @ 2.5 bbl/min, Bump Pressure - 1040 psi, floats held.
Top Outs: 4 total with 783 sxs of cement and 12 yards of 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	1,100.0	2,221.0	2/1/2010 14:20	2/1/2010 19:00	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	1,040.0	1,040.0
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	4	0.0	18:55				

Comment

Spacer

Density (lb/gal)	Class	Amount (sacks)	Yield (ft ³ /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
8.34				20.0				2/1/2010 14:20	2/1/2010 16:30
Fluid Type	Comment								
Spacer									



Casing & Cement Well Name: 697-21A-23

Add	Type	Conc	Conc Unit	Amount	Amount Units
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Lead

Density (lb/gal)	Class	Amount (sacks)	Yield (ft ³ /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
12.30	35 /65 Poz	1,088	2.09	405.0	11.62	Fresh Water - other		2/1/2010 16:30	2/1/2010 17:55

Fluid Type
Lead

Add	Type	Conc	Conc Unit	Amount	Amount Units
Calcium Chloride	accelerator	1.0	%		
Static Free	anti-static	0.04	%		
Bentonite	extender	8.0	%		
FP-13L	foam preventer			0.5	

Tail

Density (lb/gal)	Class	Amount (sacks)	Yield (ft ³ /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		2/1/2010 17:55	2/1/2010 18:03

Fluid Type
Tail

Add	Type	Conc	Conc Unit	Amount	Amount Units
Calcium Chloride	accelerator	1.0	%		
Static Free	anti-static	0.04	%		
FP-6L	foam preventer			0.5	

Displacement

Density (lb/gal)	Class	Amount (sacks)	Yield (ft ³ /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
8.34				166.0		Fresh Water - other		2/1/2010 18:03	2/1/2010 18:49

Fluid Type
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	1,100.0	2/2/2010 00:00	2/2/2010 12:31	0.5			
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)	

Comment

Top out

Density (lb/gal)	Class	Amount (sacks)	Yield (ft ³ /sack)	V (bbl)	Mix H2O Ratio (gal/sack)	Water Source	Excess (%)	Pump Start	Pump End
14.20	Type III	783	1.61	224.5	7.35	Fresh Water - other	0.0	2/2/2010 00:00	2/2/2010 12:31

Fluid Type
Top out
Total of 4 Top Outs with 783 sxs of cement and 12 yards of gravel.

Add	Type	Conc	Conc Unit	Amount	Amount Units
A-10		10.0	%		
Calcium Chloride	accelerator	2.0	%		
Static Free	anti-static	0.04	%		
FP-13L	foam preventer			0.5	

Wellheads

Install Date	Type	Job	Removed Date	Comment
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