02617627

HALLIBURTON

ANTELOPE ENERGY COMPANY LLC

Johnston 1

Post Job Summary
Squeeze Hole in Casing

Prepared for: Rick Kirby
Date Prepared: 7/29/2010
Version: 1

Service Supervisor: Irv Collins

Submitted by: Wes Aaron

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
07/21/2010 16:00		Arrive At Loc							
07/21/2010 16:45		Safety Meeting							
07/21/2010 16:55		Test Lines							
07/21/2010 16:56		Injection Test	3	10				500.0	TANK WATER ...500psi
07/21/2010 17:05		Pump Cement	3	20				329.0	100SK'S OF PREMIUM CLASS G CEMENT AT 15.8# MIXED WITH RIG WATER
07/21/2010 17:14		Pump Displacement	3	8				523.0	RIG WATER 523psi than fell to -10psi
07/21/2010 17:23		Start Staging - 5 Minutes	1	1					PUMP 1BBL OF H20 PSI -4
07/21/2010 17:53		Start Staging - 30 Minutes	1	0.5					PRESSURED UP TO 24PSI AT A 1/2BBL...PRESSURE FALL BACK TO -4PSI
07/21/2010 18:23		Start Staging - 30 Minutes	1	0.25					PUMP 1/4BBL OF H20...PRESSURE STAYED AT -7PSI
07/21/2010 18:25		Other							Squeeze did not hold. Company man wanted to run more water to establish another injection rate at 398psi
07/21/2010 18:42		Reverse Circ Well	1	16					Reverse out 16bbl's to make sure no cement was in the packer.
07/21/2010 18:59		End Job							

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300495	**Ship To #:** 2796291	**Quote #:**	**Sales Order #:** 7516604
Customer: ANTELOPE ENERGY COMPANY LLC		**Customer Rep:** KIRBY, RICK	
Well Name: Johnston	**Well #:** 1		**API/UWI #:**
Field:	**City (SAP):** NEW RAYMER	**County/Parish:** Weld	**State:** Colorado
Job Purpose: Squeeze Hole in Casing			
Well Type: Development Well	**Job Type:** Squeeze Hole in Casing		
Sales Person: FLING, MATTHEW	**Srvc Supervisor:** COLLINS, IRVIN	**MBU ID Emp #:** 401749	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE		372277	COLLINS, IRVIN Douglas		401749	VASQUEZ, ALVARO A		401745

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
11064046C	105 mile	11142998	105 mile	11341988C	105 mile		

Job Hours

Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	2320. ft	**Job Depth TVD**	2320. ft		
Water Depth		**Wk Ht Above Floor**			
Perforation Depth (MD)	*From*		**To**		

Job Times

	Date	Time	Time Zone
Called Out	21 - Jul - 2010	13:00	MST
On Location	21 - Jul - 2010	15:00	MST
Job Started	21 - Jul - 2010	16:56	MST
Job Completed	21 - Jul - 2010	18:42	MST
Departed Loc	21 - Jul - 2010	19:30	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Casing	Unknown		4.5	4.	11.6			.	6640.		
Surface Casing			8.625	8.097	24.			.	215.		
Tubing	Unknown		2.375	1.995	4.7			.	2103.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					**Packer**					**Top Plug**			
Float Shoe					**Bridge Plug**					**Bottom Plug**			
Float Collar					**Retainer**					**SSR plug set**			
Insert Float										**Plug Container**			
Stage Tool										**Centralizers**			

Miscellaneous Materials

Gelling Agt		**Conc**		**Surfactant**		**Conc**		**Acid Type**		**Qty**		*Conc*	%
Treatment Fld		**Conc**		*Inhibitor*		**Conc**		**Sand Type**		*Size*		*Qty*	

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Cementing Job Summary

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	INJECTION RATE		5.00	bbl	.	.0	.0	.0	
2	15.8# Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	100.0	sacks	15.8	1.15	5.0		5.0
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	5 Gal	FRESH WATER							
3	DISPLACEMENT		8.00	bbl	.	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		*Cement Slurry*		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	

Rates

Circulating		*Mixing*		*Displacement*		Avg. Job	

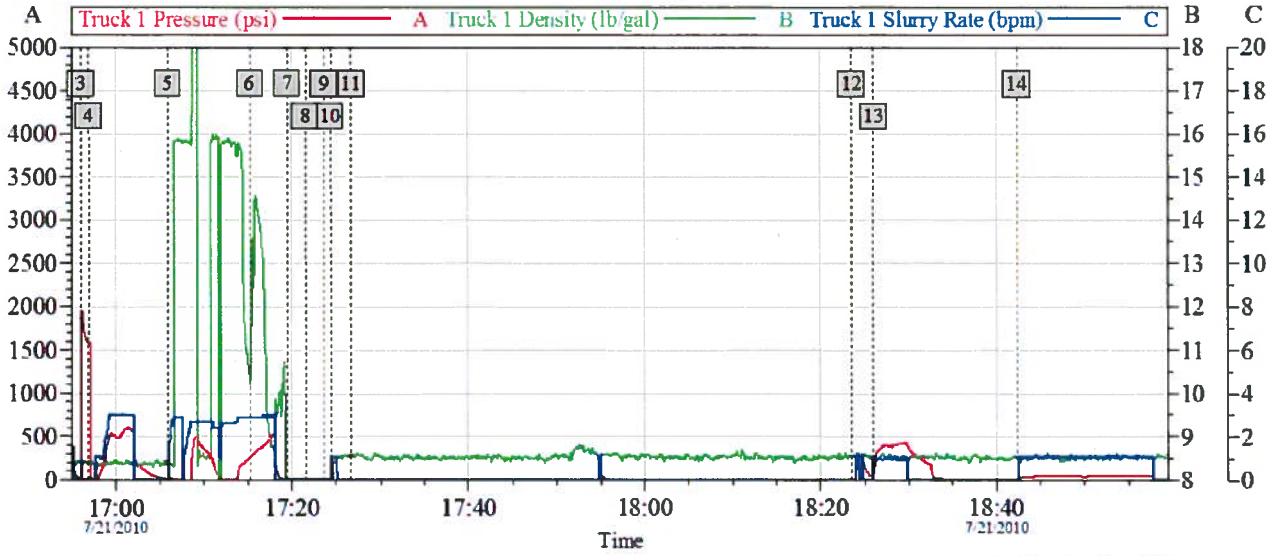
Cement Left In Pipe		Amount	*0 ft*	*Reason*	*Shoe Joint*										
Frac Ring # 1 @		*ID*		*Frac ring # 2 @*		*ID*		*Frac Ring # 3 @*		*ID*		*Frac Ring # 4 @*		*ID*	

The Information Stated Herein Is Correct	***Customer Representative Signature***

HALLIBURTON

ANTELOPE SQUEEZE

JOHNSTON #1



Global Event Log

3	Test Lines	16:56:06	4	Injection Rate	16:56:58
5	Pump Cement	17:05:50	6	Pump Displacement	17:15:14
7	Shutdown	17:19:26	8	Start Staging - 5 Minutes	17:21:32
9	End Job	17:23:38	10	Start Staging - 30 Minutes	17:24:23
11	Start Job	17:26:41	12	Start Staging - 30 Minutes	18:23:33
13	Injection Rate Second time/squeeze did not hold	18:26:02	14	Reverse Out	18:42:24

Customer: ANTELOPE Well Description: SQUEEZE	Job Date: 21-Jul-2010 UWI: #05-123-19668-00	Sales Order #: 7516604

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21-Jul-10 19:12

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ANTELOPE ENERGY COMPANY LLC

Johnston 1

Post Job Summary
Squeeze Hole in Casing

Prepared for: Rick Kirby
Date Prepared: 7/29/2010
Version: 1

Service Supervisor: Irv Collins

Submitted by: Wes Aaron

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Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
07/22/2010 12:00		Arrive At Loc							
07/22/2010 12:45		Safety Meeting							
07/22/2010 13:05		Test Lines							2000PSI...INJECTING RATE WAS 650PSI
07/22/2010 13:10		Pump Spacer 1		10				537.0	TANK WATER
07/22/2010 13:16		Pump Spacer 2		10				659.0	TANK WATER MIXED WITH ECONOLITE
07/22/2010 13:21		Pump Spacer 1		10				758.0	TANK WATER
07/22/2010 13:26		Pump Spacer 2		10				783.0	TANK WATER MIXED WITH CACL2
07/22/2010 13:31		Pump Spacer 1		5				775.0	TANK WATER
07/22/2010 13:34		Pump Cement		10				237.0	50SK'S OF PREMIUM CEMENT AT 15.8# MIXED WITH RIG WATER
07/22/2010 13:40		Pump Displacement		10.5				249.0	TANK WATER HIGHEST PRUSSER WAS 762PSI
07/22/2010 13:45		Start Staging - 15 Minutes		0.5				595.0	PRESSURED UP TO 595PSI..USING .5BBL'S OF TANK WATER
07/22/2010 13:59		Start Staging - 15 Minutes		0.5				670.0	PRESSURED UP TO 667PSI...USIING .5BBL'S OF TANK WATER
07/22/2010 14:30		Start Staging - 15 Minutes		0.5				789.0	PRESSURED UP TO 789PSI...USING .5BBL'S OF TANK WATER
07/22/2010 14:59		Start Staging - 30 Minutes		0.05				1490.0	PRESSURED UP TO 1490PSI...USING .5BBL'S OF TANK WATER
07/22/2010 15:01		Pressure Up Well						1494.0	1494PSI
07/22/2010 15:05		End Job							

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300495	**Ship To #:** 2796291	**Quote #:**	**Sales Order #:** 7518340
Customer: ANTELOPE ENERGY COMPANY LLC		**Customer Rep:** KIRBY, RICK	
Well Name: Johnston	**Well #:** 1		**API/UWI #:**
Field:	**City (SAP):** NEW RAYMER	**County/Parish:** Weld	**State:** Colorado
Job Purpose: Squeeze Hole in Casing			
Well Type: Development Well	**Job Type:** Squeeze Hole in Casing		
Sales Person: FLING, MATTHEW	**Srvc Supervisor:** COLLINS, IRVIN	**MBU ID Emp #:** 401749	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE		372277	COLLINS, IRVIN Douglas		401749	CONGDON, RICHARD S.		320306
VASQUEZ, ALVARO A		401745						

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
11142998	105 mile	11341988C	105 mile				

Job Hours

Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name					
Formation Depth (MD)	**Top**		**Bottom**		
Form Type		**BHST**			
Job depth MD	1854. ft	**Job Depth TVD**	1854. ft		
Water Depth		**Wk Ht Above Floor**	4. ft		
Perforation Depth (MD)	*From*		**To**		

Job Times

	Date	Time	Time Zone
Called Out	22 - Jul - 2010	09:00	MST
On Location	22 - Jul - 2010	12:00	MST
Job Started	22 - Jul - 2010	13:05	MST
Job Completed	22 - Jul - 2010	14:45	MST
Departed Loc	22 - Jul - 2010	15:30	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Production Casing	Unknown		4.5	4.	11.6			.	6640.		
Surface Casing			8.625	8.097	24.			.	215.		
Tubing	Unknown		2.375	1.995	4.7			.	1854.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					**Packer**					**Top Plug**			
Float Shoe					**Bridge Plug**					**Bottom Plug**			
Float Collar					**Retainer**					**SSR plug set**			
Insert Float										**Plug Container**			
Stage Tool										**Centralizers**			

Miscellaneous Materials

Gelling Agt		**Conc**		**Surfactant**		**Conc**		**Acid Type**		**Qty**		*Conc*	*%*
Treatment Fld		**Conc**		*Inhibitor*		**Conc**		**Sand Type**		*Size*		*Qty*	

HALLIBURTON

Cementing Job Summary

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	WATER			bbl	.	.0	.0	.0	
2	WATER MIXED ECONOLITE			bbl	.	.0	.0	.0	
3	WATER			bbl	.	.0	.0	.0	
4	WATER MIXED WITH CACL2			bbl	.	.0	.0	.0	
5	WATER			bbl	.	.0	.0	.0	
6	15.8# Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)		sacks	15.8	1.15	5.0		5.0
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	6 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	5 Gal	FRESH WATER							
7	DISPLACEMENT			bbl	.	.0	.0	.0	

Calculated Values		Pressures		Volumes					
Displacement		Shut In: Instant		Lost Returns		*Cement Slurry*		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	

Rates

Circulating		*Mixing*		*Displacement*		Avg. Job	

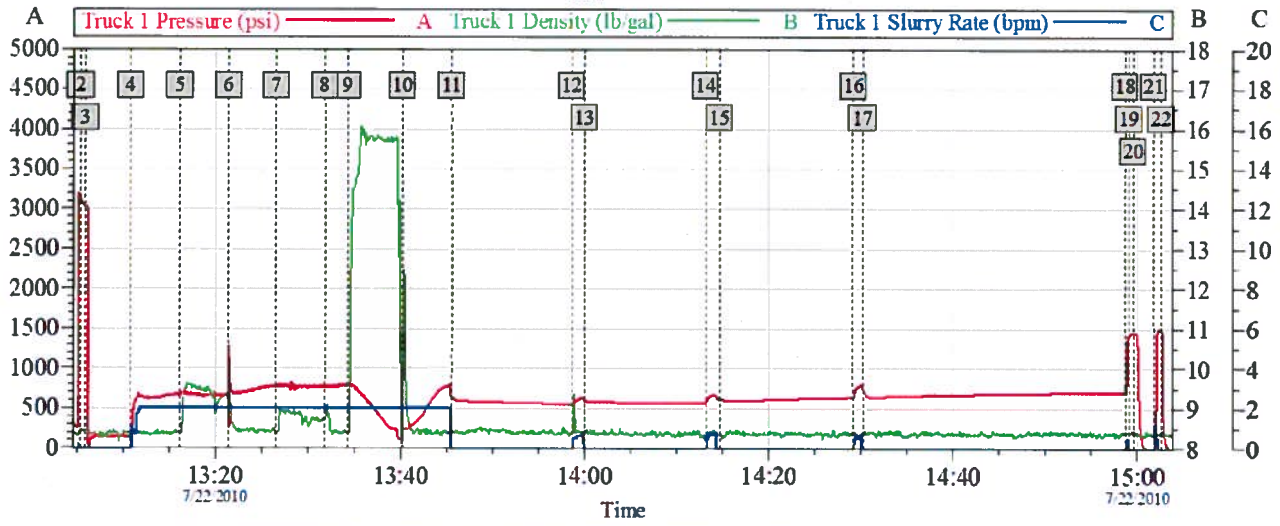
Cement Left In Pipe		Amount	*0 ft*	*Reason*	*Shoe Joint*										
Frac Ring # 1 @		*ID*		*Frac ring # 2 @*		*ID*		*Frac Ring # 3 @*		*ID*		*Frac Ring # 4 @*		*ID*	

The Information Stated Herein Is Correct	***Customer Representative Signature***

HALLIBURTON

ANTELOPE SUQEEZE

JOHNSTON #1



Global Event Log

2	Start Job	13:05:24	3	Test Lines	13:05:55	4	Pump Spacer 1	13:10:49
5	Pump Spacer 2	13:16:10	6	Pump Spacer 1	13:21:27	7	Pump Spacer 2	13:26:34
8	Pump Spacer 1	13:31:47	9	Pump Cement	13:34:19	10	Pump Displacement	13:40:12
11	Shutdown	13:45:32	12	Pressure Up Well	13:58:34	13	Shutdown	13:59:56
14	Pressure Up Well	14:13:11	15	Shutdown	14:14:40	16	Pressure Up Well	14:29:09
17	Shutdown	14:30:12	18	Pressure Up Well	14:58:38	19	Shutdown	14:59:04
20	Other	14:59:32	21	Pressure Up Well	15:01:48	22	Other	15:02:34

Customer: ANTELOPE Well Description: SQUEEZE	Job Date: 22-Jul-2010 UWI:	Sales Order #: 7518340

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