

ENCANA OIL & GAS (USA) INC. - EBUS  
DO NOT MAIL-3601 N STAGECOACH RD  
LONGMONT, Colorado

Alaux 4-0-26

**ENSIGN #122**

## **Post Job Summary**

### **Cement Surface Casing**

Prepared for: Kevin Brakovec  
Date Prepared: 6/3/2010  
Version: 1

Service Supervisor: Larry LaValley

Submitted by: Wes Aaron

**HALLIBURTON**

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
05/25/2010 03:30		Safety Meeting					
05/25/2010 03:47		Test Lines				1000.0	test lines to 1000psi
05/25/2010 03:50		Pump Spacer 1	5	20			H2O supplied by rig with 1lb red dye added to water.
05/25/2010 03:56		Pump 1st Stage Tail Slurry	5	122			455 SKS SWIFTCM 14.2#/gal mixed with H2O supplied by rig.
05/25/2010 04:10		Shutdown					
05/25/2010 04:22		Drop Top Plug					
05/25/2010 04:23		Pump Displacement	5	77			pumped 77 bbls calculated to land plug Cement returned at 54bbls away then lost returns at 69bbls away.
05/25/2010 04:38		Bump Plug	3				slowed rate to 3 bbl/min psi calculated to land plug was 369.
05/25/2010 05:00		End Job					calculated 27bbls cement returns
05/25/2010 19:30		Arrive At Loc					RIG HAD PROBLEM WITH COLLARS ON CASING
05/26/2010 05:56		Other					CEMENT RETURNED TO SURFACE BUT THEN DROPPED DOWN 60 TO 80 FEET BELOW SURFACE. HAD TO RUN 1" PIPE TO DO TOP OUT WITH 15.8#CLASS G CEMENT
05/26/2010 08:55		Other					6x5 on pump truck whent down on pump truck just as starting mix for top out, called eric had another truck sent out to complete top off. pumped 13 bbls of 15.8# neat cmt.

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 340078	<b>Ship To #:</b> 2785830	<b>Quote #:</b>	<b>Sales Order #:</b> 7388565
<b>Customer:</b> ENCANA OIL & GAS (USA) INC. - EBUS		<b>Customer Rep:</b> HOPE, CRAIG	
<b>Well Name:</b> Alaux		<b>Well #:</b> 4-0-26	<b>API/UWI #:</b> 05-123-20669-00
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> ERIE	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> ENSIGN		<b>Rig/Platform Name/Num:</b> #122	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> FLING, MATTHEW		<b>Srvc Supervisor:</b> LAVALLEY, LARRY	<b>MBU ID Emp #:</b> 419296

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHAVEZ, JEROME Christophe		458298	LAVALLEY, LARRY P		419296	RAMOS, REFUGIO Castro		435413
SINCLAIR, RICHARD		368195						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10829456	12 mile	11064046C	12 mile	11338223	12 mile	11341988P	12 mile
11398319	12 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

## Job Times

Formation Name					Called Out	Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		25 - May - 2010	15:00	MST	
Form Type		BHST			On Location	25 - May - 2010	19:30	MST
Job depth MD	1249. ft	Job Depth TVD	1249. ft		Job Started	26 - May - 2010	03:45	MST
Water Depth		Wk Ht Above Floor	5. ft		Job Completed	26 - May - 2010	08:30	MST
Perforation Depth (MD)	From		To		Departed Loc	26 - May - 2010	09:30	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
Open Hole				12.25				.	1260.	.	1260.
Surface Casing	New		8.625	8.097	24.		J-55	.	1249.	.	1249.

## 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	

Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		20.00	bbl	8.33	.0	42.0	5.0	
2	Lead Cement	SWIFCEM (TM) SYSTEM (452990)	455.0	sacks	14.2	1.51	7.53	5.0	7.53
	2 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	2 %	ECONOLITE (100001580)							
	0.2 %	VERSASET, 55 LB SK (101376573)							
	7.53 Gal	FRESH WATER							
3	Water Displacement		77.00	bbl	8.33	.0	42.0	5.0	
4	15.8# Neat	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	100.0	sacks	15.8	1.15	4.99	2.0	4.99
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	4.989 Gal	FRESH WATER							
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	38 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					

