

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 Production 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
05/29/2010 08:53		Start Job						RIG CIRCULATED WELL 1 HOUR PRIOR TO CEMENTING
05/29/2010 08:55		Test Lines					3500.0	
05/29/2010 08:57		Pump Spacer 1	6	24			90.0	RIG WATER WITH 80# MUDFLUSH III ADDED
05/29/2010 09:06		Pump Spacer 2	6	20				RIG WATER WITH 2% CLAYFIX
05/29/2010 09:17		Pump Lead Cement	6	151			180.0	340 SACKS VERSACEM MIXED @ 12.0# WITH RIG WATER. DOWNHOLE DENSITY WOULD NOT HOLD WEIGHT BUT CEMENT WES SCALED WITH PRESSERIZED MUD SCALES THROUGHOUT PUMPING OF JOB.
05/29/2010 09:45		Pump Tail Cement	6	73			120.0	210 SACKS VERSACEM MIXED @ 13.0# WITH RIG WATER
05/29/2010 09:58		Shutdown						
05/29/2010 09:58		Clean Lines						
05/29/2010 10:01		Drop Top Plug						4 1/2 " LATCHDOWN PLUG PRELOADED
05/29/2010 10:01		Pump Displacement	6	133			500.0	RIG WATER WITH 2% CLAYFIX
05/29/2010 10:28		Bump Plug	3				2450.0	CALCULATED PRESSURE TO LAND THE PLUG WAS _1600_ PSI
05/29/2010 10:38		End Job						

The Road to Excellence Starts with Safety

Sold To #: 340078	Ship To #: 2785830	Quote #:	Sales Order #: 7402901
Customer: ENCANA OIL & GAS (USA) INC. - EBUS		Customer Rep: PILCHER, ED	
Well Name: Alaux		Well #: 4-0-26	API/UWI #: 05-123-20669-00
Field: WATTENBERG	City (SAP): ERIE	County/Parish: Weld	State: Colorado
Contractor: ENSIGN		Rig/Platform Name/Num: ENSIGN 122122	
Job Purpose: Cement Production Casing			
Well Type: Development Well		Job Type: Cement Production Casing	
Sales Person: FLING, MATTHEW		Srvc Supervisor: LAVALLEY, LARRY	MBU ID Emp #: 419296

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANUELOS, GUADALUPE		372277	KELEHER, JASON E		437348	LAVALLEY, LARRY P		419296
SNYDER, JONATHAN Leroy		435616						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10719784	12 mile	11019824	12 mile	11338223	12 mile	11341988C	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

Formation Name					Date	Time	Time Zone
Formation Depth (MD)	Top	Bottom			Called Out	29 - May - 2010	03:30 MST
Form Type	BHST				On Location	29 - May - 2010	06:00 MST
Job depth MD	8579. ft		Job Depth TVD	8579. ft	Job Started	29 - May - 2010	09:00 MST
Water Depth			Wk Ht Above Floor	6. ft	Job Completed	29 - May - 2010	10:30 MST
Perforation Depth (MD)	From	To			Departed Loc	29 - May - 2010	11:30 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				7.875				1249.	8600.		
Production Casing	New		4.5	4.	11.6			.	8600.		
Surface Casing	New		8.625	8.097	24.		J-55	.	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 ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	MUD FLUSH III	MUD FLUSH III - SBM (528788)	24.00	bbl	8.4	42.0	591.0	5.0		
2	Clayfix 3		20.00	bbl	8.4	.0	42.0	5.0		
2.5 gal/Mgal		CLAYFIX 3, TOTETANK (101583425)								
3	Versacem 12#	VERSACEM (TM) SYSTEM (452010)	340.0	sacks	12.	2.49	13.91	7.0	13.91	
13.91 Gal		FRESH WATER								
4	Versacem 13#	VERSACEM (TM) SYSTEM (452010)	210.0	sacks	13.	1.95	9.93	5.0	9.93	
9.93 Gal		FRESH WATER								
5	Clayfix Water Displacement		133.00	bbl	8.33	.0	42.0	7.0		
6	15.8# Neat	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)								
5 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	40 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						

