

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

Dier 8-4-8

Ensign 122

## Post Job Summary

### Cement Surface Casing

Prepared for:	Kevin Brakovec
Date Prepared:	7/13/2010
Version: 1	

Service Supervisor: Dale Sanford

Submitted by: Wes Aaron

HALLIBURTON

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump		Pressure (psig)		Comments
07/13/2010 02:30		Arrive at Location from Service Center							
07/13/2010 07:25		Test Lines					1500.0		
07/13/2010 07:28		Pump Spacer 1	5	10			190.0		DYE WATER
07/13/2010 07:31		Pump Cement	5	76			100.0		265 SKS @ 14.2#
07/13/2010 07:50		Drop Top Plug							
07/13/2010 07:55		Pump Displacement	7	50			250.0		15 Bbl Good Cmt to surface
07/13/2010 08:06		Bump Plug	3				250.0		
07/13/2010 08:08		Shut In Well					190.0		
07/13/2010 08:16		End Job							

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 340078		<b>Ship To #:</b> 2794658		<b>Quote #:</b>		<b>Sales Order #:</b> 7497155	
<b>Customer:</b> ENCANA OIL & GAS (USA) INC. - EBUS				<b>Customer Rep:</b> Pilcher, Ed			
<b>Well Name:</b> Dier			<b>Well #:</b> 8-4-8			<b>API/UWI #:</b> 05-123-30583-00	
<b>Field:</b> WATTENBERG		<b>City (SAP):</b> FIRESTONE		<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> SANFORD, DALE			<b>MBU ID Emp #:</b> 219527	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
COPELAND, GEORGE Willard		429242	EBERHARD, JOHN Norman		470707	HALE, ROBERT E		470588
SANFORD, DALE A		219527						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10948696	12 mile	11398490	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					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type		BHST			On Location	13 - Jul - 2010	02:30	MST
Job depth MD	823. ft	Job Depth TVD	823. ft		Job Started	13 - Jul - 2010	07:25	MST
Water Depth		Wk Ht Above Floor			Job Completed	13 - Jul - 2010	08:09	MST
Perforation Depth (MD)	From	To			Departed Loc	13 - Jul - 2010	09:00	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				.	833.		
Surface Casing	New		8.625	8.097	24.	8 RD	J-55	.	823.		

## 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		10.00	bbl	8.33	.0	.0	5.0	
2	Lead Cement	SWIFTCEM (TM) SYSTEM (452990)	285.0	sacks	14.2	1.51	7.53	5.0	7.53
7.53 Gal		FRESH WATER							
3	Water Displacement		50.00	bbl	8.33	.0	.0	5.0	
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	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					

