

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

Aristocrat Angus 2-4-8

**ENSIGN 17**

## **Post Job Summary**

### **Cement Surface Casing**

Prepared for: Kevin Brakovec  
Date Prepared: 4/6/10  
Version: 1

Service Supervisor: Mike Blake

Submitted by: Tim Gilchrist

**HALLIBURTON**

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
04/04/2010 08:00		Arrive At Loc					
04/04/2010 08:20		Safety Huddle					
04/04/2010 09:00		Safety Meeting					
04/04/2010 09:27		Start Job					
04/04/2010 09:28		Test Lines	0.5	1		2835.0	TEST PUMPS AND LINES
04/04/2010 09:29		Pump Water	4	20		30.0	PUMP WATER SPACER
04/04/2010 09:36		Pump Cement	5	77		35.0	PUMP ( 285 sks ) OF SWIFT CEMENT AT 14.2 #
04/04/2010 09:56		Drop Plug					SHUT DOWN AND DROP PLUG
04/04/2010 09:56		Pump Displacement	5	48		275.0	PUMP DISPLACEMENT WITH WATER
04/04/2010 10:10		Shut In Well				170.0	SHUT IN WELL
04/04/2010 10:10		End Job					CIRCULATED 6 bbls OF CEMENT TO THE PIT

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 340078	<b>Ship To #:</b> 2777539	<b>Quote #:</b>	<b>Sales Order #:</b> 7284515
<b>Customer:</b> ENCANA OIL & GAS (USA) INC. - EBUS		<b>Customer Rep:</b>	
<b>Well Name:</b> Aristocrat Angus		<b>Well #:</b> 2-4-8	<b>API/UWI #:</b> 03-123-30575-00
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> PLATTEVILLE	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Contractor:</b> ENSIGN		<b>Rig/Platform Name/Num:</b> # 17	
<b>Job Purpose:</b> Cement Surface Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> JACOBS, JESS		<b>Srvc Supervisor:</b> BLAKE, MICHAEL	<b>MBU ID Emp #:</b> 305760

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BLAKE, MICHAEL James		305760	HALE, ROBERT E		470588	MCPHERSON, MATTHEW L		455378

**Equipment**

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10679720C	33 mile	10824253C	33 mile	11019275C	33 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	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Form Type</b>		BHST	<b>On Location</b>	04 - Apr - 2010	08:00	MST
<b>Job depth MD</b>	803. ft	<b>Job Depth TVD</b>	<b>Job Started</b>	04 - Apr - 2010	09:27	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	<b>Job Completed</b>	04 - Apr - 2010	10:10	MST
<b>Perforation Depth (MD)</b>	<i>From</i>	<i>To</i>	<b>Departed Loc</b>	04 - Apr - 2010	11:00	MST

**Well Data**

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				12.25				.	803.		
Surface Casing	New		8.625	8.097	24.		J-55	.	786.		

**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			

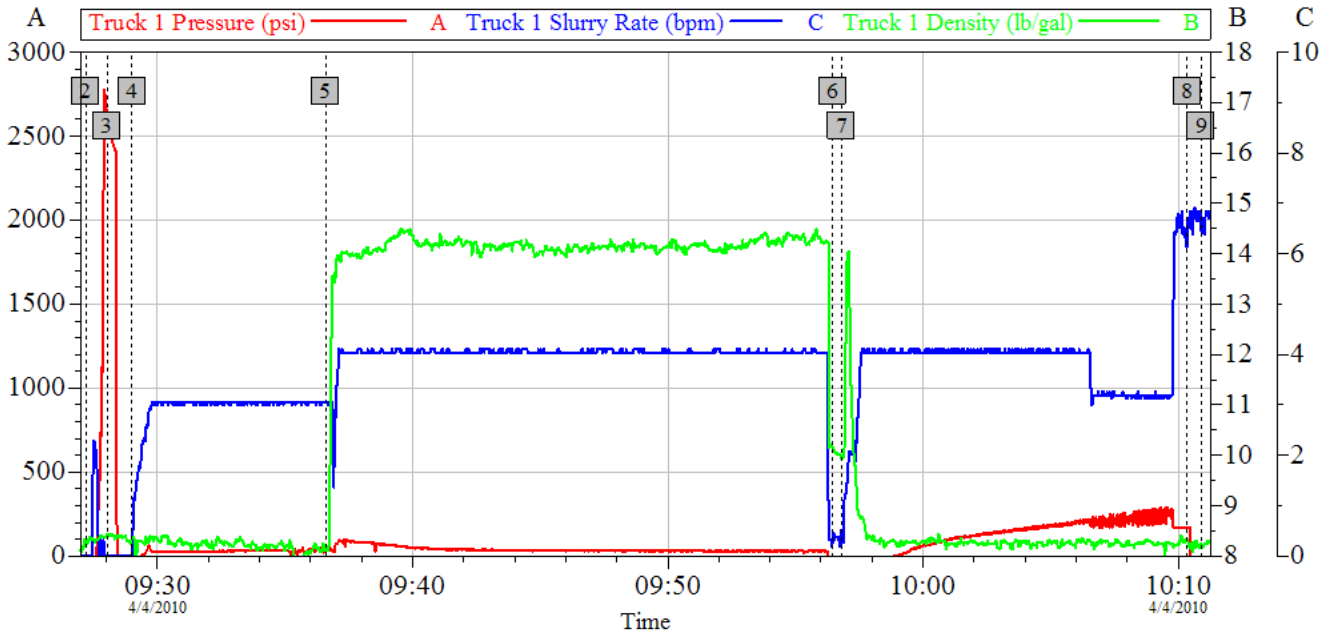
**Miscellaneous Materials**

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Conc	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		48.00	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					

# HALLIBURTON

## Encana - Aristocrat Angus 2-4-8 8 5/8 Surface



Global Event Log			
Intersection	TIP	Intersection	TIP
2 Start Job	09:27:11 -22.72	3 Test Lines	09:28:01 2625
4 Pump Water	09:29:00 -23.57	5 Pump Swiftcem Cement @ 14.2#	09:36:35 37.93
6 Drop Plug	09:56:27 -33.59	7 Pump Displacement	09:56:48 -33.59
8 Shut In Well	10:10:20 169.0	9 End Job	10:10:54 -37.37

Customer: Encana	Job Date: 04-Apr-2010	Sales Order #: 7284515
Well Description: Surface	UWI:	

OptiCem v6.4.2  
04-Apr-10 10:29