

**HALLIBURTON**

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**SAMSON RESOURCES CORP - EBUS**

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**Ignacio 32-7-22 4  
IGNACIO / BLANCO  
La Plata County , Colorado**

**Cement Surface Casing**  
12-May-2010

**Job Site Documents**

*The Road to Excellence Starts with Safety*

Sold To #: 345114		Ship To #: 345114		Quote #:		Sales Order #: 7365571	
Customer: SAMSON RESOURCES CORP - EBUS				Customer Rep: Sexton, Fred			
Well Name: Ignacio 32-7-22			Well #: 4		API/UWI #:		
Field: IGNACIO / BLANCO		City (SAP): TULSA		County/Parish: La Plata		State: Colorado	
Legal Description: Section 9 Township 32N Range 7W							
Contractor: H & P			Rig/Platform Name/Num: H & P 292				
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: SNYDER, RANDALL			Srvc Supervisor: MAIN, CHAD			MBU ID Emp #: 335770	
<b>Job Personnel</b>							
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #
BROST, ROBERT W			394382	DOBBS, CHAD A		275043	335770
<b>Equipment</b>							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
<b>Job Hours</b>							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
TOTAL				Total is the sum of each column separately			
<b>Job</b>				<b>Job Times</b>			
Formation Name				Date			
Formation Depth (MD) Top Bottom				Time			
Form Type				Time Zone			
Job depth MD 470. ft				Called Out 12 - May - 2010 03:30 MST			
Job Depth TVD 470. ft				On Location 12 - May - 2010 08:00 MST			
Water Depth				Job Started 12 - May - 2010 10:14 MST			
Perforation Depth (MD) From To				Job Completed 12 - May - 2010 10:57 MST			
Wk Ht Above Floor 4. ft				Departed Loc 12 - May - 2010 13:00 MST			
<b>Well Data</b>							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
12 1/4" Surface Open Hole				12.25			
8 5/8" Surface Casing	Unknown		8.625	7.921	32.		
<b>Sales/Rental/3<sup>rd</sup> Party (HES)</b>							
Description				Qty	Qty uom	Depth	Supplier
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA				1	EA		
<b>Tools and Accessories</b>							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							
<b>Miscellaneous Materials</b>							
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	
<b>Fluid Data</b>							
Stage/Plug #: 1							
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Total Mix Fluid Gal/sk

# HALLIBURTON

## Cementing Job Summary

1	Water Spacer		10.00	bbl	8.33	.0	.0	.0	
2	Surface Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	340.0	sacks	15.8	1.17	5.0		5.0
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	4.998 Gal	FRESH WATER							
3	Displacement			bbl	8.33	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
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	
<b>Rates</b>									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	42 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					