

**BONANZA CREEK ENERGY  
DO NOT MAIL - 410-17TH ST STE1400  
DENVER, Colorado**

State Seventy Holes F-J-8HNB

Ensign 136

## **Post Job Summary** **Cement Intermediate Casing**

Prepared for:  
Date Prepared: 7/23/2013  
Version: 1

Service Supervisor: BULINSKI, MATTHEW

Submitted by: FINNEY, SEAN

**HALLIBURTON**

# HALLIBURTON

## ***Wellbore Geometry***

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Job Tubulars					MD		TVD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft	Top ft	Bottom ft
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	436.00		
Open Hole Section	8 3/4" Open Hole Section		8.750		436.00	6,639.00	436.00	5,700.00
Casing	7" Intermediate Casing	7.00	6.276	26.00	0.00	6,639.00	0.00	5,700.00

# HALLIBURTON

## Pumping Schedule

Stage / Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	MUD FLUSH III	8.40	4.00	24.0 bbl	24.0 bbl
1	2	Cement Slurry	EconoCem B2	12.50	7.50	610.0 sacks	610.0 sacks
1	3	Cement Slurry	ExpandaCem B1	14.60	6.00	243.0 sacks	243.0 sacks

## Fluids Pumped

**Stage/Plug # 1      Fluid 1:**      MUD FLUSH III  
MUD FLUSH III - SBM (528788)  
42 gal/bbl      Mud Flush III

Fluid Density: 8.40 lbm/gal  
Fluid Volume: 24.00 bbl  
Pump Rate: 0.00 bbl/min

**Stage/Plug # 1      Fluid 2:**      EconoCem B2  
ECONOCEM (TM) SYSTEM

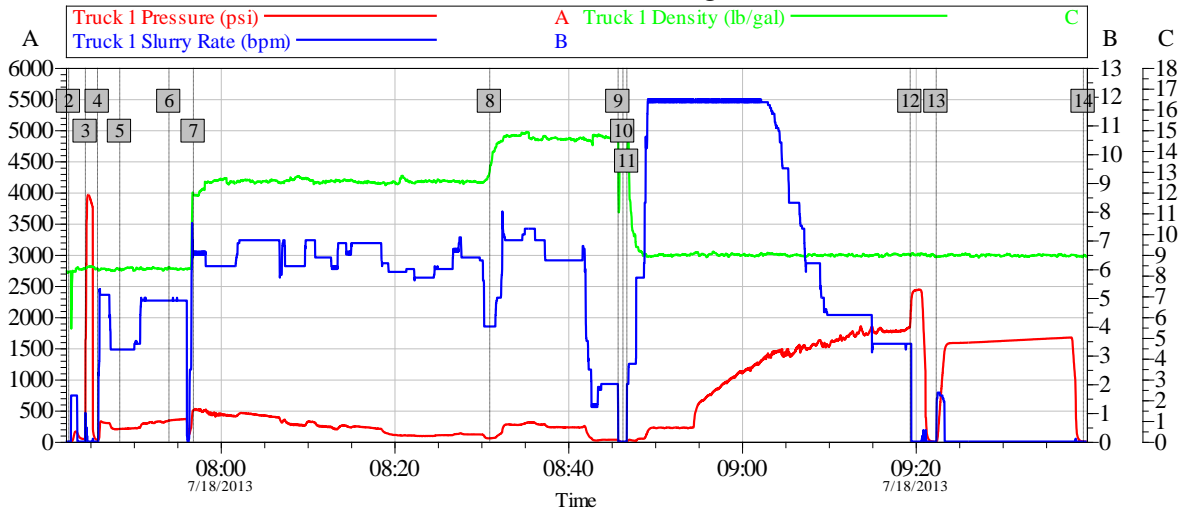
Fluid Weight: 12.50 lbm/gal  
Slurry Yield: 1.89 ft<sup>3</sup>/sack  
Total Mixing Fluid: 10.28 Gal  
Surface Volume: 610.0 sacks  
Sacks: 610.0 sacks  
Calculated Fill: 5,000.00 ft  
Calculated Top of Fluid: 0.00 ft

**Stage/Plug # 1      Fluid 3:**      ExpandaCem B1  
EXPANDACEM (TM) SYSTEM

Fluid Weight: 14.60 lbm/gal  
Slurry Yield: 1.46 ft<sup>3</sup>/sack  
Total Mixing Fluid: 6.07 Gal  
Surface Volume: 243.0 sacks  
Sacks: 243.0 sacks  
Calculated Fill: 1,500.00 ft  
Calculated Top of Fluid: 5,000.00 ft

## Data Acquisition

### Bonanza Creek F-J-8HNB 7-18-13 Intermediate Ensign 136



#### Global Event Log

2 Start Job	07:42:32	3 Pressure Test	07:44:27	4 Pump Spacer 1	07:45:51
5 Pump Spacer 2	07:48:25	6 Pump Spacer 1	07:54:05	7 Pump Lead Cement	07:56:53
8 Pump Tail Cement	08:30:59	9 Shutdown	08:45:46	10 Drop Top Plug	08:46:20
11 Pump Displacement	08:46:47	12 Bump Plug	09:19:23	13 Csg Test	09:22:23
14 End Job	09:39:20				

Customer:	Job Date: 18-Jul-2013	Sales Order #: 900597680
Well Description:	UWI:	

OptiCem v6.4.10  
18-Jul-13 09:39

# HALLIBURTON

## Service Supervisor Reports

### Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
07/18/2013 03:30		Arrive at Location from Service Center					Arrived 30mins Early; Rig Still Running Csg...
07/18/2013 05:00		Assessment Of Location Safety Meeting					Hazard Hunt On Location Before Spotting Trucks
07/18/2013 05:15		Safety Meeting - Pre Rig-Up					JSA Huddle with HES hands on rig up
07/18/2013 05:20		Rig-Up Equipment					Landing Joint on and racks in, Spot trucks into place and rig up hoses to pump as well as iron to rig
07/18/2013 06:00		Rig-Up Completed					Finished rig up and waiting on Vac Truck to get to Location... Rig still circulating sense start of rig up
07/18/2013 07:00		Safety Meeting - Pre Job					JSA with Company Man, Rig hands and HES hands on Pump Schedule
07/18/2013 07:42		Start Job					
07/18/2013 07:44		Test Lines					4000psi Pressure Test Lines to Rig Floor
07/18/2013 07:45		Pump Spacer 1	4	10		250.0	H2O Spacer
07/18/2013 07:48		Pump Spacer 2	4	24		240.0	MudFlush Spacer
07/18/2013 07:54		Pump Spacer 1	4	10		210.0	H2O Spacer
07/18/2013 07:56		Pump Lead Cement	7.5	205		150.0	610sks EconoCem, 12.5ppg, 1.89yield, 10.28gal/sk, Mixed with rig water and # verify by pressurized mud scales
07/18/2013 08:30		Pump Tail Cement	6	63		310.0	243sks ExpnadaCem, 14.6ppg, 1.46yield, 6.07gal/sk, Mixed with rig water and # verify by pressurized mud scales
07/18/2013 08:45		Shutdown					
07/18/2013 08:46		Pump Displacement	8	253		1700.0	H2O Displacement, Good Returns throughout... Spacer back at 180bbls away and cmt at 200bbls giving total of 53bbls cmt back to surface
07/18/2013 08:46		Drop Top Plug					Pre-Loaded Company man verify
07/18/2013 09:19		Bump Plug	3			2432.0	Slowed down last 20bbls to 3bbl/min... Plug Landed at 1812psi and brought to 2432psi for 1 min
07/18/2013 09:20		Check Floats					Floats Held
07/18/2013 09:22		Other				1615.0	Csg Test 1500psi 15mins
07/18/2013 09:39		End Job					
07/18/2013 09:41		Safety Meeting - Pre Rig-Down					Release Csg Test psi and JSA by Supervisor Truck over rig down
07/18/2013 09:45		Rig-Down Equipment					Rigging down bulk trucks and iron
07/18/2013 10:35		Rig-Down Completed					Rig down complete with walk around location to make sure clean as started
07/18/2013 10:45		Safety Meeting - Departing Location					JSA on pre-tripping trucks and driving back to Brighton yard

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 324725	<b>Ship To #:</b> 3009992	<b>Quote #:</b>	<b>Sales Order #:</b> 900597680
<b>Customer:</b> BONANZA CREEK ENERGY		<b>Customer Rep:</b> Polk, Gary	
<b>Well Name:</b> State Seventy Holes	<b>Well #:</b> F-J-8HNB	<b>API/UWI #:</b> 05-123-37552	
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> KERSEY	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Lat:</b> N 40.333 deg. OR N 40 deg. 19 min. 59.376 secs.		<b>Long:</b> W 104.355 deg. OR W -105 deg. 38 min. 42.612 secs.	
<b>Job Purpose:</b> Cement Intermediate Casing			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Intermediate Casing	
<b>Sales Person:</b> PLIENESS, RYAN		<b>Srvc Supervisor:</b> BULINSKI, MATTHEW	<b>MBU ID Emp #:</b> 483865

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ALVARADO, JOSE Angel	0.0	505918	BULINSKI, MATTHEW J	0.0	483865	CARPENTER, JACOB P	0.0	499500
LANGE, TIMOTHY Paul	0.0	520811						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

## 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	17 - Jul - 2013	23:30	MST
Form Type				BHST		On Location	18 - Jul - 2013	03:30	MST
Job depth MD	6639. ft		Job Depth TVD		5700. ft	Job Started	18 - Jul - 2013	07:42	MST
Water Depth				Wk Ht Above Floor		Job Completed	18 - Jul - 2013	09:39	MST
Perforation Depth (MD)	From			To		Departed Loc	18 - Jul - 2013	10:45	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
8 3/4" Open Hole Section				8.75				436.	6639.	436.	5700.
7" Intermediate Casing	Unknown		7.	6.276	26.		P-110	.	6639.	.	5700.
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	436.		

## Fluid Data

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/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	.0	.0	4.0	
	42 gal/bbl	FRESH WATER							
	42 gal/bbl	MUD FLUSH III - SBM (528788)							
2	EconoCem B2	ECONOCEM (TM) SYSTEM (452992)	610.0	sacks	12.5	1.89	10.28	7.5	10.28
	10.28 Gal	FRESH WATER							
3	ExpandaCem B1	EXPANDACEM (TM) SYSTEM (452979)	243.0	sacks	14.6	1.46	6.07	6.0	6.07
	6.07 Gal	FRESH WATER							
<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	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID		Frac ring # 2 @	ID		Frac Ring # 3 @	ID		Frac Ring # 4 @
The Information Stated Herein Is Correct				Customer Representative Signature					

