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**BONANZA CREEK ENERGY**

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**State North Platte K-O-36HC  
WATTENBERG  
Weld County , Colorado**

**Plug Service - Whipstock**  
24-Sep-2013

**Job Site Documents**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 324725	<b>Ship To #:</b> 3093308	<b>Quote #:</b>	<b>Sales Order #:</b> 900770344
<b>Customer:</b> BONANZA CREEK ENERGY		<b>Customer Rep:</b> Savage, Joe	
<b>Well Name:</b> State North Platte		<b>Well #:</b> K-O-36HC	<b>API/UWI #:</b> 05-123-37669
<b>Field:</b> WATTENBERG	<b>City (SAP):</b> KERSEY	<b>County/Parish:</b> Weld	<b>State:</b> Colorado
<b>Lat:</b> N 40.362 deg. OR N 40 deg. 21 min. 43.992 secs.		<b>Long:</b> W 104.392 deg. OR W -105 deg. 36 min. 28.548 secs.	
<b>Job Purpose:</b> Plug Service - Whipstock			
<b>Well Type:</b> Development Well		<b>Job Type:</b> Plug Service - Whipstock	
<b>Sales Person:</b> PLIENESS, RYAN		<b>Srvc Supervisor:</b> OTERI, VAUGHN	<b>MBU ID Emp #:</b> 443828

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
CHISLUM, DENNIS	9.0	512130	OTERI, VAUGHN Steeves	9.0	443828	SIMS, DENNIS A	9.0	158880

**Equipment**

HES Unit #	Distance-1 way						
10829457	60 mile	11106651	60 mile	11667703C	60 mile	12010167	60 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	Date	Time	Time Zone
<b>Formation Depth (MD) Top</b>	<b>Bottom</b>	<b>Called Out</b>	24 - Sep - 2013 11:15 MST
<b>Form Type</b>	BHST	<b>On Location</b>	24 - Sep - 2013 15:45 MST
<b>Job depth MD</b>	7900. m	<b>Job Depth TVD</b>	7900. m <b>Job Started</b> 24 - Sep - 2013 21:18 MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	6. m <b>Job Completed</b> 24 - Sep - 2013 22:03 MST
<b>Perforation Depth (MD) From</b>	<b>To</b>	<b>Departed Loc</b>	25 - Sep - 2013 00:30 MST

**Well Data**

Description	New / Used	Max pressure MPa	Size mm	ID mm	Weight kg/m	Thread	Grade	Top MD m	Bottom MD m	Top TVD m	Bottom TVD m
6 1/8" Open Hole				6.125				7300.	7900.		
8 3/4" Open Hole Section				8.75				450.	7300.		
7" Intermediate Casing	Unknown		7.	6.276	26.		P-110	.	7300.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	450.		

**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 kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne

Stage/Plug #: 1

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Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density kg/m3	Yield m3/sk	Mix Fluid m3/tonne	Rate m3/min	Total Mix Fluid m3/tonne
1	PlugCem 17.5#	PLUGCEM (TM) SYSTEM (452969)	125.0	sacks	17.5	.94	3.34		3.34
	3.34 Gal	FRESH WATER							
2	TUNE SPACER			m3	.11	.0	.0	.0	
	9270 lbm/Mgal	BARITE, 100 LB SK (100003680)							
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	0 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					

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<b>Legal Description:</b>			
<b>Lat:</b> N 40.362 deg. OR N 40 deg. 21 min. 43.992 secs.		<b>Long:</b> W 104.392 deg. OR W -105 deg. 36 min. 28.548 secs.	
<b>Contractor:</b>		<b>Rig/Platform Name/Num:</b> Cade 22	
<b>Job Purpose:</b> Plug Service - Whipstock			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Plug Service - Whipstock	
<b>Sales Person:</b> PLIENESS, RYAN		<b>Srv Supervisor:</b> OTERI, VAUGHN	<b>MBU ID Emp #:</b> 443828

Activity Description	Date/Time	Cht #	Rate m3/min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
Arrive at Location from Service Center	09/24/2013 15:45							ARRIVED ON LOCATION HAD TO TURN BULK TRUCK TO GET TUNE SPACER LOADED ON IT BACK AT THE YARD
Casing on Bottom	09/24/2013 17:00							DRILL PIPE ON BOTTOM JUST WAITING ON BULK TRUCK
Start Job	09/24/2013 21:18							HELD PREJOB SAFTY MEETING WITH ALL HANDS ON LOCATION TO DISCUSS JOB
Test Lines	09/24/2013 21:28						4380.0	PRESSURE TESTED PUMPS AND LINES FOUND NO LEAKS PRESSURE HELD GOOD
Pump Spacer 1	09/24/2013 21:31		3	23			58.0	MIXED 13.5PPG TUNE SPACER WITH FRESH WATER
Pump Cement	09/24/2013 21:41		3	20.9			139.0	MIXED 17.5PPG PLUGCEM WITH FRESH WATER
Pump Spacer 2	09/24/2013 21:48		3	12			83.0	MIXED 13.5PPG TUNE SPACER WITH FRESH WATER
Pump Displacement	09/24/2013 21:53		4.7	56.5			80.0	PUMPED DRILLING MUD TO BALANCE PLUG
Other	09/24/2013 22:03			0				RELEASED ANY PRESUURE , NOTHING BACK TO TRUCK, GOOD BALANCE

Activity Description	Date/Time	Cht #	Rate m3/ min	Volume m3		Pressure MPa		Comments
				Stage	Total	Tubing	Casing	
End Job	09/24/2013 22:04							DRILL PIPE PILLED SLOW AND DRY