

**BONANZA CREEK ENERGY OPERATING CO
PO BOX 21974
BAKERSFIELD, California**

PRONGHORN 11-41-28-HNB

CADE 22

Post Job Summary

Cement Surface Casing

Date Prepared: 01/30/2014
Version: 1

Service Supervisor: MCBRIDE, NATHAN

Submitted by: HINDS, MOLLYE

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Wellbore Geometry

Job Tubulars					MD	
Type	Description	Size in	ID in	Wt lbm/ft	Top ft	Bottom ft
Casing	9 5/8" Surface Casing	9.63	8.921	36.00	0.00	750.00
Open Hole Section	13 1/2" OPEN HOLE		13.500		0.00	754.00

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	Fresh Water Spacer	8.33	5.00	10.0 bbl	10.0 bbl
1	2	Cement Slurry	13.5 SWIFTCEM B1	13.50	5.00	420.0 sacks	420.0 sacks

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Data Acquisition

Final Chart



DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi)

- ① Start Job 7:89,0,97 ④ Shutdown 13:73,5,242 ⑦ Cement to Surface 8:21,1,200
- ② Fresh Water Ahead 7:40,1,6,103 ⑤ Drop Top Plug 13:36,0,110 ⑧ Bump Plug 8:27,2,365
- ③ Pump Cement 13:54,5,197 ⑥ Fresh Water Displacement 13:37,0,110 ⑨ Check Floats 8:51,0,948

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/15/2014 00:30		Arrive at Location from Service Center					Rig still running pipe in hole
01/15/2014 00:35		Assessment Of Location Safety Meeting					Hazard Hunt and Discuss 3rd party activities
01/15/2014 06:35		Casing on Bottom					
01/15/2014 06:36		Circulate Well					
01/15/2014 06:40		Pre-Rig Up Safety Meeting					Review JSA and Discuss Rig up layout
01/15/2014 06:50		Rig-Up Equipment					
01/15/2014 07:00		Comment					Pump Truck Deck Engine wouldn't Start got it running after 30-40 minutes
01/15/2014 08:20		Pre-Job Safety Meeting					With Customer and 3rd Parties involved
01/15/2014 08:50		Start Job					
01/15/2014 08:53		Pump Water	2	2		40.0	Fill Lines
01/15/2014 08:54		Test Lines				2120.0	
01/15/2014 08:58		Pump Water	5	20		120.0	Fresh Water
01/15/2014 09:05		Pump Cement	5	130.9		300.0	420sks @ 13.5ppg, 1.75yield, 9.26gal/sk
01/15/2014 09:28		Shutdown					
01/15/2014 09:30		Drop Top Plug					
01/15/2014 09:33		Pump Displacement	5	56.7		300.0	Fresh Water
01/15/2014 09:42		Cement Returns to Surface					10bbbls Displaced 46bbbls to pit
01/15/2014 09:58		Bump Plug				320.0	500psi Over 947psi Final Pressure
01/15/2014 10:02		Check Floats					Floats Good
01/15/2014 10:03		End Job					Thanks McBride and Crew
01/15/2014 22:43		Rig-Up Completed					

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The Road to Excellence Starts with Safety

Sold To #: 324725		Ship To #: 3274567		Quote #:		Sales Order #: 901041352					
Customer: BONANZA CREEK ENERGY OPERATING CO				Customer Rep: Savage, Joe							
Well Name: PRONGHORN			Well #: 11-41-28-HNB		API/UWI #: 05-123-38633						
Field: WATTENBURG		City (SAP): MASTERS		County/Parish: Weld		State: Colorado					
Lat: N 40.375 deg. OR N 40 deg. 22 min. 31.008 secs.				Long: W 104.222 deg. OR W -105 deg. 46 min. 39.756 secs.							
Job Purpose: Cement Surface Casing											
Well Type: Development Well				Job Type: Cement Surface Casing							
Sales Person: GREGORY, JON			Srvc Supervisor: MCBRIDE, NATHAN			MBU ID Emp #: 313810					
Job Personnel											
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #				
ALVARADO, JOSE Angel		10.5	505918	MCBRIDE, NATHAN Charles		10.5	313810				
Equipment											
HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>				
Job Hours											
Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours			
TOTAL				<i>Total is the sum of each column separately</i>							
Job				Job Times							
Formation Name		Top		Bottom		Date	Time	Time Zone			
						14 - Jan - 2014	21:30	MST			
Formation Depth (MD)		Top		Bottom		On Location					
Form Type		BHST				Job Started					
						15 - Jan - 2014		08:50			
Job depth MD		754. ft		Job Depth TVD		Job Completed					
						15 - Jan - 2014		10:05			
Water Depth				Wk Ht Above Floor		Departed Loc					
						15 - Jan - 2014		11:00			
Perforation Depth (MD)		<i>From</i>		<i>To</i>							
Well Data											
<i>Description</i>	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
13 1/2" OPEN HOLE				13.5				.	754.		
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	750.		

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Fluid Data									
Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water Spacer		10.00	bbl	8.33	.0	.0	5.0	
2	13.5 SWIFTCEM B1	HALCEM (TM) SYSTEM (452986)	420.0	sacks	13.5	1.75	9.26	5.0	9.26
	9.26 Gal	FRESH WATER							
<i>The Information Stated Herein Is Correct</i>				<i>Customer Representative Signature</i>					