

**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

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 8:31,0,948

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Created: 2014-01-15 08:59:50, Version: 3.0.121

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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						10bbls Displaced 46bbls 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						



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 #	HES Emp Name	Exp Hrs	Emp #
ALVARADO, JOSE Angel	10.5	505918	MCBRIDE, NATHAN Charles	10.5	313810			

Equipment

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

Job Hours

[illegible]

TOTAL	<i>Total is the sum of each column separately</i>			
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Job

Job Times

Formation Name							Date	Time	Time Zone
Formation Depth (MD)	Top			Bottom		Called Out	14 - Jan - 2014	21:30	MST
Form Type			BHST			On Location			
Job depth MD	754. ft		Job Depth TVD			Job Started	15 - Jan - 2014	08:50	MST
Water Depth			Wk Ht Above Floor			Job Completed	15 - Jan - 2014	10:05	MST
Perforation Depth (MD)	From			To		Departed Loc	15 - Jan - 2014	11:00	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
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 ft3/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							
The Information Stated Herein Is Correct					Customer Representative Signature				