

BONANZA CREEK ENERGY

PRONGHORN
Pronghorn 11-41-28HNB

CADE 22

Post Job Summary **Cement Intermediate Casing**

Date Prepared: 1/19/2014
Version: 1

Service Supervisor: BIRCHELL, DEVIN

Submitted by: ESTENSSORO, SEBASTIAN

HALLIBURTON

HALLIBURTON

Wellbore Geometry

Job Tubulars					MD		TVD		Shoe Joint Length ft
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	763.00			42.00
Open Hole Section	8 3/4" Open Hole Section		8.750		763.00	6,550.00	763.00	6,082.00	0.00
Casing	7" Intermediate Casing	7.00	6.276	26.00	0.00	6,550.00	0.00	6,082.00	42.00

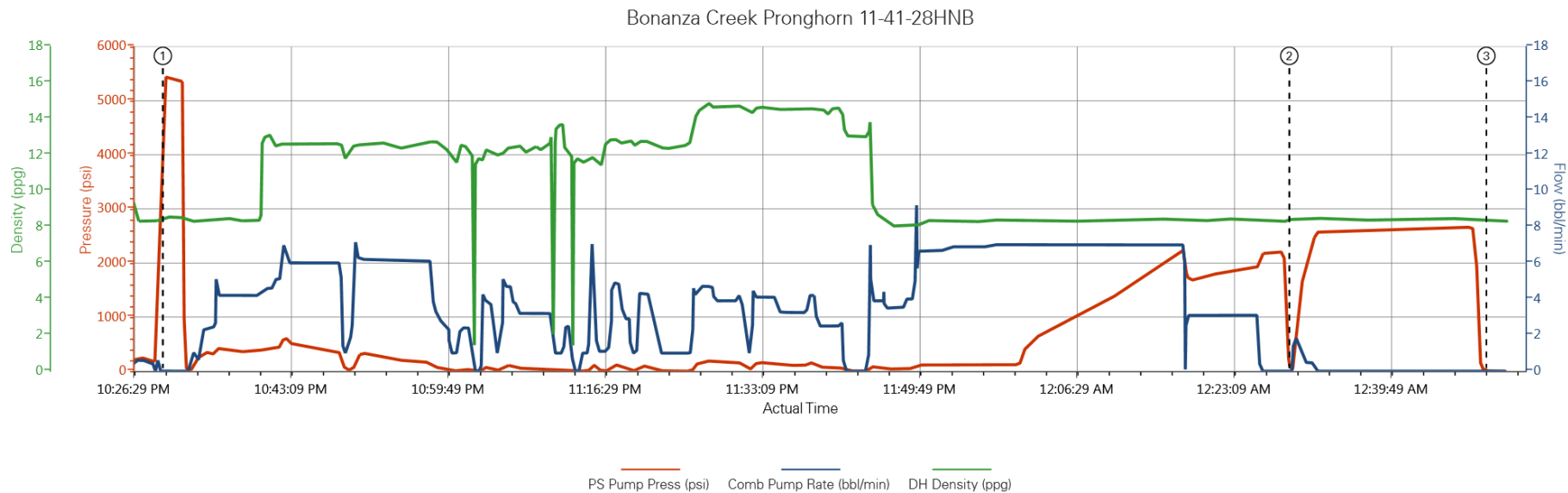
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Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	MudFlush III	8.40	4.00	24.0 bbl	24.0 bbl
1	2	Cement Slurry	Econocem B2 12.5#	12.50	6.00	537.0 sacks	537.0 sacks
1	3	Cement Slurry	ExpandaCem B1 14.6#	14.60	4.50	215.0 sacks	215.0 sacks
1	4	Spacer	Displacement	8.33	4.00	246.0 bbl	246.0 bbl

HALLIBURTON

Data Acquisition



① 5436,0,8.53

② 18,0,8.39

③ 0,0,8.4

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
01/18/2014 13:30		Call Out					Called out for Bonanza Creek Pronghorn 11-41-28HNB Intermediate
01/18/2014 17:30		Pre-Convoy Safety Meeting					Discuss road and weather conditions, fatigue and following distance
01/18/2014 18:00		Depart from Service Center or Other Site					Call journey management, Depart for location
01/18/2014 19:00		Arrive At Loc					Close journey, talk with compan rep on valumes, rates, and depth, rig still running casing
01/18/2014 19:05		Wait on Customer or Customer Sub-Contractor Equip					Wait for rig crew to finish running casing
01/18/2014 20:30		Casing on Bottom					Casing on bottom rig will circulate until HES is rigged up
01/18/2014 20:30		Pre-Rig Up Safety Meeting					Discussed rig up, line of fire, slips, and pinch points
01/18/2014 20:40		Rig-Up Equipment					Rig up ground line, and suction hoses
01/18/2014 21:50		Pre-Job Safety Meeting					Discuss pump schedule, procedure, high pressure iron, and emergency plan
01/18/2014 22:20		Other					Stop circulating rigged up cement head and tied into stand pipe
01/18/2014 22:25		Other					filled lines to pressure test pump and lines
01/18/2014 22:28		Pressure Test				5436.0	Pressure test pump and lines to 5436 psi held for 3 minutes
01/18/2014 22:32		Pump Spacer	4	24		383.0	Pump 24 bbls Mud Flush Spacer III at 8.4 ppg
01/18/2014 22:39		Pump Lead Cement	6	181		416.0	Pump lead cement at 12.5 ppg Y: 1.89ft ³ /sk W: 10.82gal/sk (537sks)
01/18/2014 23:24		Slow Rate					Slowed rate to swap pods from lead to tail
01/18/2014 23:25		Pump Tail Cement	4.5	56		186.0	Pump tail cement at 14.6 ppg Y: 1.46ft ³ /sk W: 6.07gal/sk (215sks)
01/18/2014 23:42		Shutdown					Shutdown to drop top plug
01/18/2014 23:43		Drop Top Plug					Dropped top plug, washed pump and lines on plug
01/18/2014 23:44		Pump Displacement - Start	4			42.0	Pump displacement 246 bbls water
01/18/2014 23:47		Returns To Surface	7	10		46.0	Returns seen at surface with 10 bbls displacement away
01/19/2014 00:01		Displ Reached Cmmt	7	98		414.0	displacement reached cement with 98 bbls away
01/19/2014 00:15		Spacer Returns to Surface	7	203		1570.0	With 203 bbls displacement away spacer returns to surface (24 bbls)
01/19/2014 00:21		Cement Returns to Surface	3	227		1805.0	With 227 bbls displacement away Cement returns to surface (19 bbls)
01/19/2014 00:26		Bump Plug	3	246		1760.0	Bumped plug with 246 bbls with 1760 psi took pressure to 2197 psi
01/19/2014 00:28		Check Floats					Checked floats, floats held with 1.5 bbls back to truck
01/19/2014 00:31		Pressure Up				2590.0	Pressure up casing to 2590 psi and hold for 15 minutes
01/19/2014 00:49		Release Casing Pressure					Released pressure ready for rig down
01/19/2014 00:55		Rig-Down Equipment					Begin rigging down all iron and suction hoses
01/19/2014 01:55		Pre-Convoy Safety Meeting					Discussed fatigue, wildlife, weather, and journey management
01/19/2014 02:00		Depart Location for Service Center or Other Site					Depart for Halliburton Service Center
01/19/2014 16:11		Pre-Rig Down Safety Meeting					Discussed trapped pressure, slips, trips, falls, and overhead loads

The Road to Excellence Starts with Safety

Sold To #: 324725		Ship To #: 3274567		Quote #:		Sales Order #: 901047879					
Customer: BONANZA CREEK ENERGY				Customer Rep: JOEL, TIM							
Well Name: Pronghorn			Well #: 11-41-28HNB		API/UWI #: 05-123-38633						
Field: WATTENBERG		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.							
Contractor: CADE			Rig/Platform Name/Num: Cade 22								
Job Purpose: Cement Intermediate Casing											
Well Type: Development Well			Job Type: Cement Intermediate Casing								
Sales Person: FLING, MATTHEW			Srvc Supervisor: BIRCHELL, DEVIN			MBU ID Emp #: 466993					
Job Personnel											
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #			
BIRCHELL, DEVIN Ray	0.0	466993	MILLER, GEOFFREY Alan	0.0	460232	NESBITT, ROY Iverson	0.0	537416			
Equipment											
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way				
10866493C	50 mile	11106651	50 mile	11341988C	50 mile	11398319	50 mile				
11562544C	50 mile	11645065	50 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		
Formation Depth (MD)		Top	Bottom	Called Out		18 - Jan - 2014		13:30	MST		
Form Type		BHST		On Location		18 - Jan - 2014		00:00	MST		
Job depth MD		6450. ft		Job Depth TVD		6081. ft		Job Started	18 - Jan - 2014	22:30	MST
Water Depth		Wk Ht Above Floor		6. ft		Job Completed		19 - Jan - 2014	00:50	MST	
Perforation Depth (MD)		From	To	Departed Loc		19 - Jan - 2014		02:00	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
8 3/4" Open Hole Section				8.75				763.	6550.	763.	6082.
7" Intermediate Casing	Unknown		7.	6.276	26.		P-110	.	6550.	.	6082.
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	763.		

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	MudFlush III		24.00	bbl	8.4			4.0	
	2.08 lbm/bbl	MUD FLUSH III, 40 LB SACK (101633304)							
2	Econocem B2 12.5#	ECONOCEM (TM) SYSTEM (452992)	537.0	sacks	12.5	1.89	10.28	6.0	10.28
	0.125 lbm	POLY-E-FLAKE (101216940)							
	10.28 Gal	FRESH WATER							
3	Expandacem B1 14.6#	HALCEM (TM) SYSTEM (452986)	215.0	sacks	14.6	1.46	6.07	4.5	6.07
	6.07 Gal	FRESH WATER							
4	Displacement		246.0	bbl	8.33			4.0	
The Information Stated Herein Is Correct			Customer Representative Signature						

