

BONANZA CREEK ENERGY OPERATING CO
PO BOX 21974
BAKERSFIELD, California

Pronghorn K-O-10HNC

Ensign 128

Post Job Summary

Cement Intermediate Casing

Date Prepared: 5/9/2013
Version: 1

Service Supervisor: FANTASIA, JOSEPH

Submitted by: LANSDALE, JUSTIN

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	458.00			42.00
Open Hole Section	8 3/4" Open Hole Section		8.750		458.00	6,785.00	458.00	5,835.00	0.00
Casing	7" Intermediate Casing	7.00	6.276	26.00	0.00	6,748.00	0.00	5,835.00	42.00

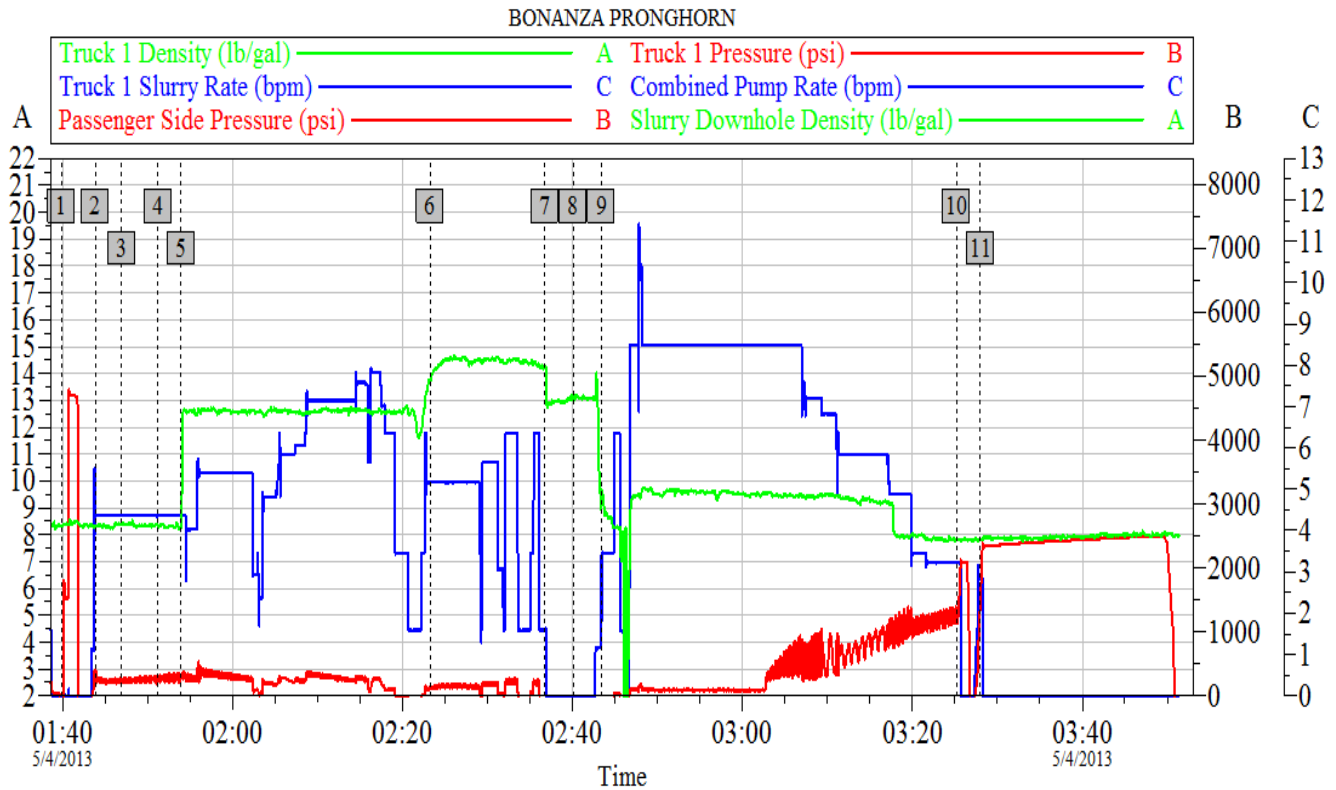
HALLIBURTON

Pumping Schedule

Stage /Plug #	Fluid #	Fluid Type	Fluid Name	Surface Density lbm/gal	Avg Rate bbl/min	Surface Volume	Downhole Volume
1	1	Spacer	MudFlush III	8.40	4.50	24.0 bbl	24.0 bbl
1	2	Cement Slurry	Econocem B2 12.5#	12.50	6.00	498.0 sacks	167.0 bbl
1	3	Cement Slurry	ExpandaCem B1 14.6#	14.60	5.00	231.0 sacks	60.0 bbl
1	4	Spacer	Displacement	9.6	8.00	256.0 bbl	256.0 bbl

HALLIBURTON

Data Acquisition



Global Event Log							
Intersection		T1D	T1P	Intersection	T1D	T1P	
1	Pressure Test	01:39:51	0.000	0.000	2	Pump Spacer	01:43:49 0.000 0.000
3	Pump Spacer	01:46:54	0.000	0.000	4	Pump Spacer	01:51:13 0.000 0.000
5	Pump Lead Cement	01:53:56	0.000	0.000	6	Pump Tail Cement	02:23:14 0.000 0.000
7	Shutdown	02:36:43	0.000	0.000	8	Drop Top Plug	02:40:03 0.000 0.000
9	Pump Displacement	02:43:23	0.000	0.000	10	Bump Plug	03:25:10 0.000 0.000
11	Casing Pressure Test	03:28:00	0.000	0.000			

Customer: Halliburton	Job Date: 04-May-2013	Sales Order #: 01:38:03
Well Description: RTD	UWI:	

OptiCem v6.4.10
04-May-13 15:11

HALLIBURTON

Service Supervisor Reports

Job Log

Date/Time	Chart #	Activity Code	Pump Rate	Cum Vol	Pump	Pressure (psig)	Comments
05/03/2013 21:30		Arrive at Location from Service Center					ARRIVED AND CONDUCTED A HAZARD HUNT AND FOUND NO HAZARDS THAT CONFLICT WITH US RIGGING UP EQUIPMENT.
05/03/2013 21:45		Pre-Job Safety Meeting					HELD SAFETY MEETING WITH ALL EMPLOYEES AND ALL THIRD PARTY PERSONEL PRIOR TO PUMPING THE CEMENT JOB.
05/04/2013 01:30		Start Job					
05/04/2013 01:40		Test Lines					PRESSURE TEST LINES TO 3779 PSI
05/04/2013 01:48		Pump Spacer 1	4.5	10		227.3	10 BBLS WATER
05/04/2013 01:53		Pump Spacer 2	4.5	24		255.3	24 BBLS MUD FLUSH
05/04/2013 01:56		Pump Spacer 1	4.5	10		253.3	10 BBLS WATER
05/04/2013 02:00		Pump Lead Cement	6	167		347.3	498 SKS ECONOCCEM MIXED @ 12.5 PPG W/ RIG WATER
05/04/2013 02:25		Pump Tail Cement	5	60		166.3	231 SKS EXPANDACEM B1 MIXED @ 14.6 PPG W/ RIG WATER
05/04/2013 02:45		Shutdown					
05/04/2013 02:47		Drop Top Plug					PLUG PRELOADED, DROPPED PLUG WHILE OPERATOR WAS CLEANING PUMPS AND LINES
05/04/2013 02:50		Pump Displacement	8	256		80.3	DISPLACE WITH 9.6 PPG MUD. GOOD RETURNS THROUGHOUT. WATER SPACER TO SURFACE AT 223 BBLS OUT OF 256 BBLS TOTAL DISPLACEMENT. APPROX 33 BBLS SPACER BACK TO SURFACE.
05/04/2013 03:30		Bump Plug	3			1285.3	PLUG LANDED AT 1300 PSI. PRESSURE BROUGHT TO 1700 PSI AND HELD FOR 3 MIN.
05/04/2013 03:33		Check Floats					FLOATS HELD, GOOD RETURNS THROUGHOUT THE JOB
05/04/2013 03:35		Pressure Up				2490.3	PRESSURE UP TO 2500 PSI FOR 15 MIN FOR CASING PRESSURE TEST
05/04/2013 03:50		End Job					
05/04/2013 04:00		Pre-Rig Down Safety Meeting					HELD SAFETY MEETING WITH ALL EMPLOYEES PRIOR TO RIGGING DOWN AND DISCUSSED ALL HAZARDS WHILE RIGGING DOWN EQUIPMENT.
05/04/2013 05:00		Depart Location for Service Center or Other Site					HELD SAFETY MEETING PRIOR TO LEAVING LOCATION AND DISCUSSED ALL POTENTIAL HAZARDS WHILE DRIVING BACK TO THE SERVICE CENTER.

The Road to Excellence Starts with Safety

Sold To #: 324725		Ship To #: 2995543		Quote #:		Sales Order #: 900411681	
Customer: BONANZA CREEK ENERGY OPERATING CO				Customer Rep: JOEL, TIM			
Well Name: Pronghorn			Well #: K-O-10HNC		API/UWI #: 05-123-36583		
Field:		City (SAP): MASTERS		County/Parish: Weld		State: Colorado	
Lat: N 40.221 deg. OR N 40 deg. 13 min. 14.52 secs.				Long: W 104.2 deg. OR W -105 deg. 47 min. 59.748 secs.			
Contractor: Ensign			Rig/Platform Name/Num: Ensign 128				
Job Purpose: Cement Intermediate Casing							
Well Type: Development Well				Job Type: Cement Intermediate Casing			
Sales Person: FLING, MATTHEW			Srvc Supervisor: FANTASIA, JOSEPH			MBU ID Emp #: 485445	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BOURGEOIS, KEVIN Paul	7.0	459092	Carter, Megan	7.0	537388	DIRKS, RICHARD E	7.0	485940
FANTASIA, JOSEPH Brandon	7.0	485445	HALE, ROBERT E	7.0	470588	HINKLE, BRADLEY Dean	7.0	512123

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10982754C	70 mile	11106651	70 mile	11562570C	70 mile		

Job

Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Called Out	Date	Time	Time Zone
					03 - May - 2013	17:00	MST
Form Type			BHST	On Location	03 - May - 2013	21:30	MST
Job depth MD	6748. ft		Job Depth TVD	5835. ft	Job Started	04 - May - 2013	01:30
Water Depth			Wk Ht Above Floor		Job Completed	04 - May - 2013	03:50
Perforation Depth (MD)	<i>From</i>		<i>To</i>		Departed Loc	04 - May - 2013	04:30

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				458.	6785.	458.	5835.
7" Intermediate Casing	Unknown		7.	6.276	26.		P-110	.	6748.	.	5835.
9 5/8" Surface Casing	Unknown		9.625	8.921	36.		J-55	.	458.		

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
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1	MudFlush III		24.00	bbl	8.4				
	2.08 lbm/bbl	MUD FLUSH III, 40 LB SACK (101633304)							
2	Econocem B2 12.5#	ECONOCEM (TM) SYSTEM (452992)	498.0	sacks	12.5	1.89	10.29		10.29
	10.29 Gal	FRESH WATER							
3	ExpandaCem B1 14.6#	HALCEM (TM) SYSTEM (452986)	231.0	sacks	14.6	1.46	6.08		6.08
	6.08 Gal	FRESH WATER							
4	Displacement			bbl					
Rates									
<i>Circulating</i>		<i>Mixing</i>		<i>Displacement</i>		Avg. Job			
<i>Cement Left In Pipe</i>	Amount	42 ft	<i>Reason</i>	Shoe Joint					
<i>Frac Ring # 1 @</i>	<i>ID</i>	<i>Frac ring # 2 @</i>	<i>ID</i>	<i>Frac Ring # 3 @</i>	<i>ID</i>	<i>Frac Ring # 4 @</i>	<i>ID</i>		
<i>The Information Stated Herein Is Correct</i>				Customer Representative Signature					

