HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

SG 323-27
GRAND VALLEY
Garfield County , Colorado

Cement Surface Casing

28-Apr-2012

Post Job Summary

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721	**Ship To #:** 300721	**Quote #:**	**Sales Order #:** 9471994
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		**Customer Rep:** Moore, Frank	
Well Name: SG	**Well #:** 323-27		**API/UWI #:** 05-045-17784
Field: GRAND VALLEY	**City (SAP):** PARACHUTE	**County/Parish:** Garfield	**State:** Colorado
Lat: N 39.494 deg. OR N 39 deg. 29 min. 36.686 secs.		**Long:** W 107.871 deg. OR W -108 deg. 7 min. 42.92 secs.	
Contractor: NABORS 573	**Rig/Platform Name/Num:** NABORS 573		
Job Purpose: Cement Surface Casing			
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: MAYO, MARK	**Srvc Supervisor:** YOUNG, JEREMY	**MBU ID Emp #:** 418013	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDREWS, ANTHONY Michael	6.5	321604	BURKE, BRENDAN Patrick	6.5	487782	GOWEN, WESLEY M	6.5	496205
YOUNG, JEREMY R	6.5	418013						

Equipment

HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*	HES Unit #	*Distance-1 way*
10783493	60 mile	10822007	60 mile	11259881	60 mile	11560046	60 mile
11808833	60 mile						

Job Hours

Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours	Date	*On Location Hours*	Operating Hours
04/27/2012	1.5	0	04/28/2012	5	3			
TOTAL			*Total is the sum of each column separately*					

Job

Formation Name			
Formation Depth (MD)	**Top**	**Bottom**	
Form Type		**BHST**	
Job depth MD	1129. ft	**Job Depth TVD**	1129. ft
Water Depth		**Wk Ht Above Floor**	4. ft
Perforation Depth (MD)	*From*	**To**	

Job Times

	Date	Time	Time Zone
Called Out	27 - Apr - 2012	19:30	MST
On Location	27 - Apr - 2012	22:30	MST
Job Started	28 - Apr - 2012	02:44	MST
Job Completed	28 - Apr - 2012	03:41	MST
Departed Loc	28 - Apr - 2012	05:00	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" OPEM HOLE				13.5				.	1170.		
9 5/8" SURFACE CASING	Unknown		9.625	9.001	32.3		H-40	.	1129.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					**Packer**					**Top Plug**	9.625	1	HES
Float Shoe					**Bridge Plug**					**Bottom Plug**			
Float Collar					**Retainer**					**SSR plug set**			
Insert Float										**Plug Container**	9.625	1	HES
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 lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

HALLIBURTON

Cementing Job Summary

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	FRESH WATER	20.00	bbl	8.33	.0	.0	4	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	165.0	sacks	12.3	2.38	13.75	8	13.75
	13.75 Gal	FRESH WATER							
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	160.0	sacks	12.8	2.11	11.75	8	11.75
	11.75 Gal	FRESH WATER							
4	Fresh Water Displacement	FRESH WATER	85.50	bbl	8.33	.0	.0	10	

Calculated Values		Pressures		Volumes					
Displacement	85.5	Shut In: Instant		Lost Returns	NO	*Cement Slurry*	130	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	25	Actual Displacement	85.5	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	235.5

Rates							
Circulating	12	*Mixing*	8	*Displacement*	10	Avg. Job	9

Cement Left In Pipe	Amount	*43.2 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***

HALLIBURTON

Cementing Job Log

The Road to Excellence Starts with Safety

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Legal Description:			
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Contractor: NABORS 573	**Rig/Platform Name/Num:** NABORS 573		
Job Purpose: Cement Surface Casing			**Ticket Amount:**
Well Type: Development Well	**Job Type:** Cement Surface Casing		
Sales Person: MAYO, MARK	**Srvc Supervisor:** YOUNG, JEREMY		**MBU ID Emp #:** 418013

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/27/2012 19:30							
Pre-Convoy Safety Meeting	04/27/2012 21:20							WITH ALL HES PERSONNEL
Crew Leave Yard	04/27/2012 21:30							
Arrive At Loc	04/27/2012 22:30							RIG WAS PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	04/28/2012 01:30							WITH ALL HES PERSONNEL
Other	04/28/2012 01:40							SPOT EQUIPMENT
Pre-Rig Up Safety Meeting	04/28/2012 01:50							WITH ALL HES PERSONNEL
Rig-Up Equipment	04/28/2012 02:00							
Pre-Job Safety Meeting	04/28/2012 02:30							WITH ALL PERSONNEL ON LOCATION
Start Job	04/28/2012 02:44							TD 1170 FT, TP 1129 FT, SHOE 43.2 FT, HOLE 13 1/2 IN, MUD WT 10.2 PPG, CSG 9 5/8 IN 32.3 LB/FT H-40
Other	04/28/2012 02:45		2	2			45.0	FILL LINES WITH FRESH WATER
Test Lines	04/28/2012 02:47							TEST LINES TO 3200 PSI. PRESSURE HOLDING
Pump Spacer 1	04/28/2012 02:53		4	20			110.0	FRESH WATER
Pump Lead Cement	04/28/2012 03:01		8	69.9			360.0	165 SKS AT 12.3 PPG, 2.38 FT3/SK, 13.75 GAL/SK
Activity Description	**Date/Time**	**Cht**	**Rate bbl/ min**	**Volume bbl**		**Pressure psig**		**Comments**

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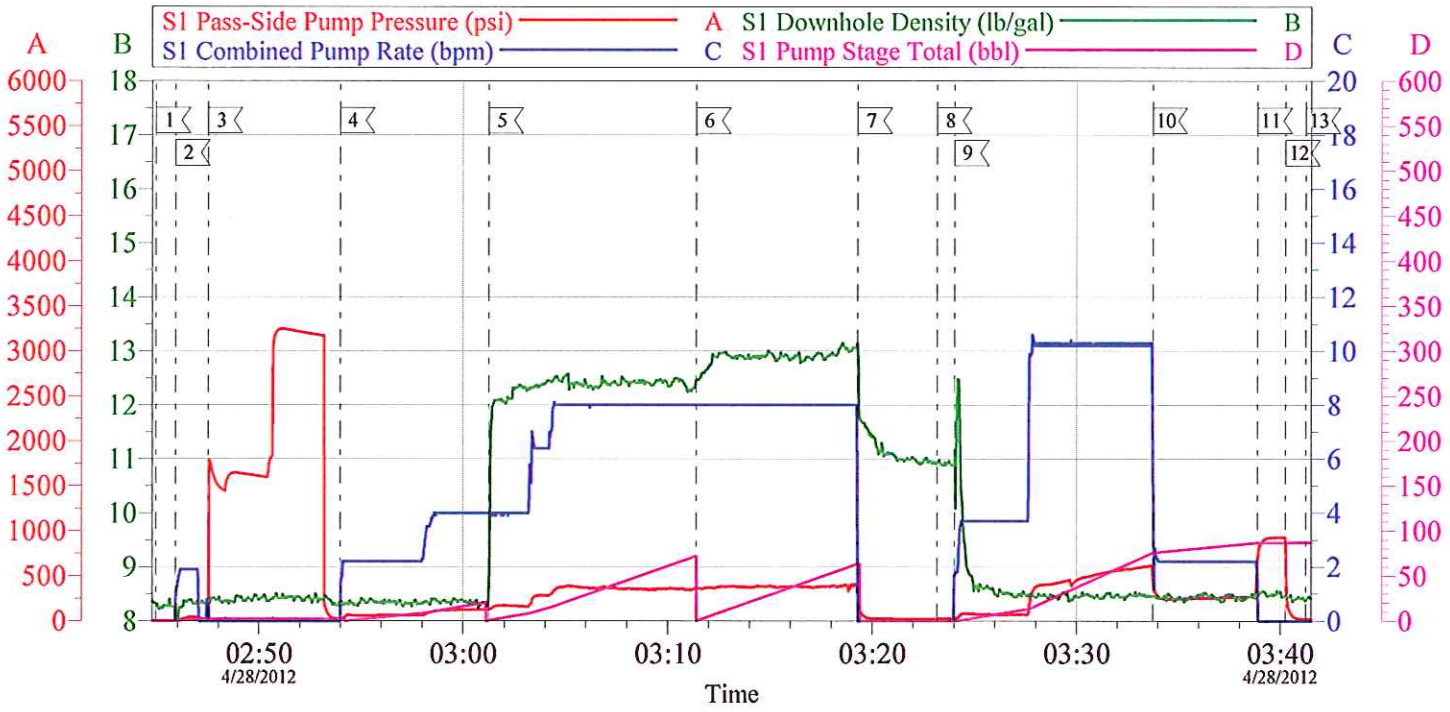
Cementing Job Log

		#		Stage	Total	Tubing	Casing	
Pump Tail Cement	04/28/2012 03:11		8	60.1			380.0	160 SKS AT 12.8 PPG, 2.11 FT3/SK, 11.75 GAL/SK
Shutdown	04/28/2012 03:19							
Drop Top Plug	04/28/2012 03:23							PLUG LAUNCHED
Pump Displacement	04/28/2012 03:24		10	75.5			615.0	FRESH WATER
Slow Rate	04/28/2012 03:33		2	10			280.0	SLOW RATE 10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	04/28/2012 03:38		2		85.5		920.0	PLUG BUMPED
Check Floats	04/28/2012 03:40							FLOATS HOLDING. RETURNED 0.5 BBL H2O TO PUMP
End Job	04/28/2012 03:41							PIPE WAS STATIC DURING JOB. GOOD CIRCULATION THROUGHOUT JOB. HES RETURNED 25 BBL CEMENT TO SURFACE
Pre-Rig Down Safety Meeting	04/28/2012 03:50							WITH ALL HES PERSONNEL
Rig-Down Equipment	04/28/2012 04:00							
Pre-Convoy Safety Meeting	04/28/2012 04:50							WITH ALL HES PERSONNEL
Crew Leave Location	04/28/2012 05:00							
Comment	04/28/2012 05:01							THANK YOU FOR USING HALLIBURTON CEMENT DEPARTMENT. JEREMY YOUNG AND CREW.

WPX - SG 323-27

9 5/8 SURFACE



Local Event Log

1	START JOB	02:44:56	2	FILL LINES	02:45:54	3	TEST LINES	02:47:30
4	PUMP H2O SPACER	02:53:59	5	PUMP LEAD CEMENT	03:01:15	6	PUMP TAIL CEMENT	03:11:23
7	SHUTDOWN	03:19:17	8	DROP TOP PLUG	03:23:10	9	PUMP DISPLACEMENT	03:24:01
10	SLOW RATE	03:33:44	11	BUMP PLUG	03:38:53	12	CHECK FLOATS	03:40:15
13	END JOB	03:41:15						

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Company Rep:	FRANK MOORE	Cement Supervisor:	JEREMY YOUNG	Elite #5:	ANTHONY ANDREWS

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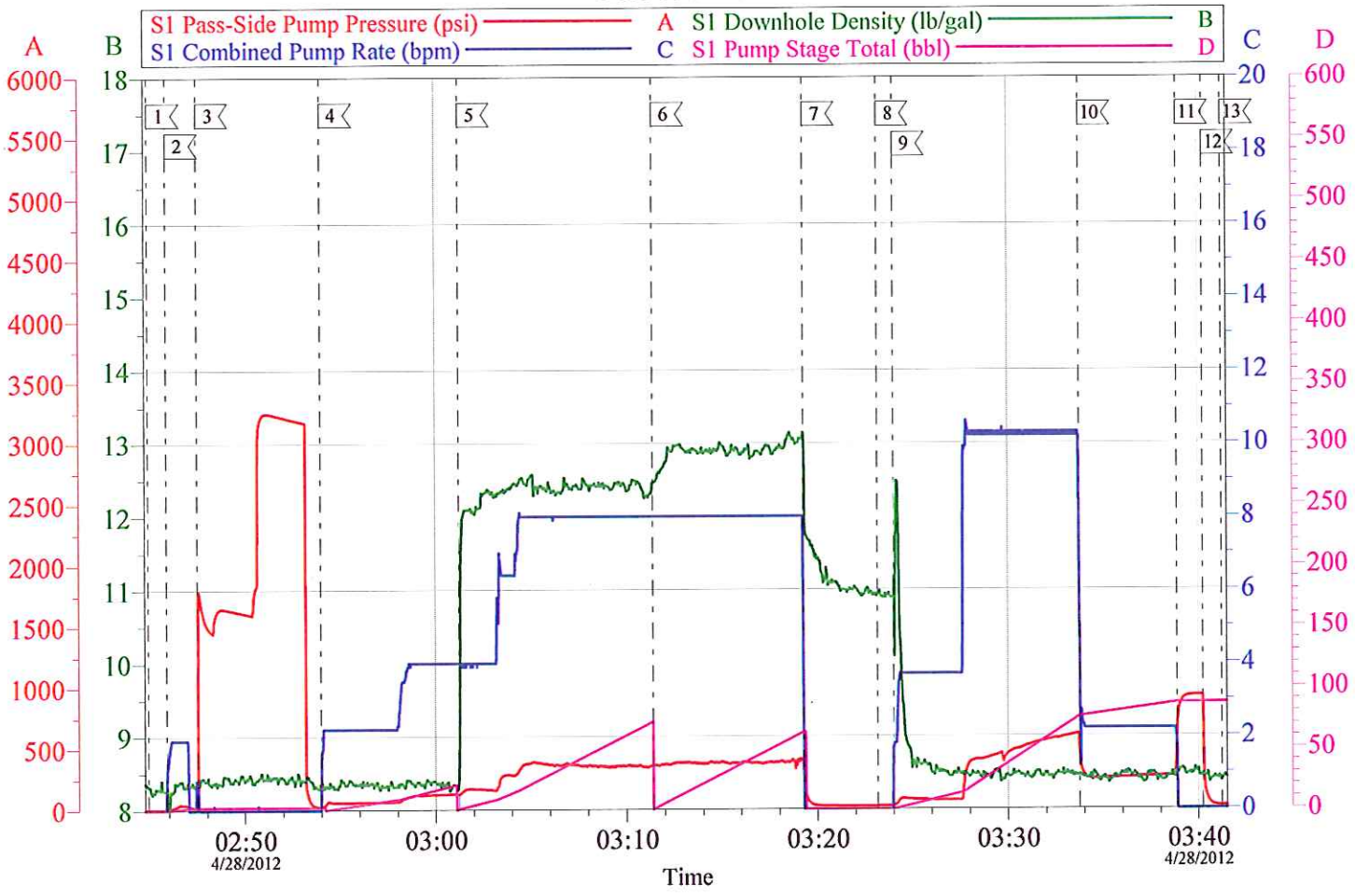
28-Apr-12 03:50

WPX - SG 323-27

9 5/8 SURFACE



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28-Apr-12 03:51