

HALLIBURTON

WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**SG 513-23
GRAND VALLEY
Garfield County , Colorado**

Cement Surface Casing **19-Jan-2012**

Post Job Summary

The Road to Excellence Starts with Safety

Sold To #: 300721		Ship To #: 2900631		Quote #:		Sales Order #: 9185915	
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS				Customer Rep: Nicholas, Larry			
Well Name: SG		Well #: 513-23		API/UWI #: 05-045-20500			
Field: GRAND VALLEY		City (SAP): PARACHUTE		County/Parish: Garfield		State: Colorado	
Lat: N 39.422 deg. OR N 39 deg. 25 min. 18.095 secs.				Long: W 108.082 deg. OR W -109 deg. 55 min. 4.498 secs.			
Contractor: H&P 280		Rig/Platform Name/Num: H&P 280					
Job Purpose: Cement Surface Casing							
Well Type: Development Well				Job Type: Cement Surface Casing			
Sales Person: SCOTT, KYLE		Srv Supervisor: PHILLIPS, MARK		MBU ID Emp #: 445272			
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
BECK, MICHAEL George	5.0	489151	CASTILLO, FRANCISCO Javier	5.0	513620	JENSEN, JESSE Robert	5.0
PHILLIPS, MARK Bejar	5.0	445272					
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10867531	60 mile	10989685	60 mile	11259884	60 mile	11360871	60 mile
11542767	60 mile						
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
01-19-2012	5	1					
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	19 - Jan - 2012	03:00	MST
Form Type	BHST			On Location	19 - Jan - 2012	06:00	MST
Job depth MD	570. ft	Job Depth TVD	570. ft	Job Started	19 - Jan - 2012	00:00	MST
Water Depth	Wk Ht Above Floor			Job Completed	19 - Jan - 2012	00:00	MST
Perforation Depth (MD)	From	To		Departed Loc	19 - Jan - 2012	00:00	MST
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade
Open Hole				13.5			
Surface Casing	Unknow n		9.625	9.001	32.3		H-40
Sales/Rental/3rd Party (HES)							
Description	Qty	Qty uom	Depth	Supplier			
PLUG,CMTG,TOP,9 5/8,HWE,8.16 MIN/9.06 MA	1	EA					
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI	1	JOB					
PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI	1	JOB					
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI	1	JOB					
Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar				508	Retainer		
Insert Float							
Stage Tool							
					Top Plug	9.625	1
					Bottom Plug		
					SSR plug set		
					Plug Container	9.625	1
					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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water				20.00	bbl	8.33	.0	.0	4.0	
2	VersaCem Tail	VERSACEM (TM) SYSTEM (452010)			185.0	sacks	12.8	2.11	11.75	6.0	11.75
		11.75 Gal FRESH WATER									
3	Displacement Fluid				40.00	bbl	8.34	.0	.0	8.0	
Calculated Values		Pressures			Volumes						
Displacement	40.0	Shut In: Instant			Lost Returns		Cement Slurry	69.5	Pad		
Top Of Cement	SURFACE	5 Min			Cement Returns	10	Actual Displacement	40.0	Treatment		
Frac Gradient		15 Min			Spacers		Load and Breakdown		Total Job	129.5	
Rates											
Circulating	10	Mixing		6	Displacement	8	Avg. Job		6		
Cement Left In Pipe	Amount	43 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						

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Job Purpose: Cement Surface Casing		Ticket Amount:	
Well Type: Development Well	Job Type: Cement Surface Casing		
Sales Person: SCOTT, KYLE	Srv Supervisor: PHILLIPS, MARK	MBU ID Emp #: 445272	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/19/2012 03:00							
Pre-Convoy Safety Meeting	01/19/2012 04:40							ALL HES EMPLOYEES
Arrive At Loc	01/19/2012 06:00							RIG STILL RUNNING CASING
Assessment Of Location Safety Meeting	01/19/2012 06:15							ALL HES EMPLOYEES
Rig-Up Equipment	01/19/2012 06:30							1 HT 400 PUMP TRUCK, 1 660 BULK TRUCK, 1 9.625 QUICK LATCH PLUG CONTAINER, 1 F 450 P/U.
Pre-Job Safety Meeting	01/19/2012 10:00							ALL HES EMPLOYEES, RIG CREW, CO REP.
Start Job	01/19/2012 10:41							TD 570', TP 551', FC 508', HOLE 13.5", MUD WT 10.0 PPG, SJ 43.0', 600 BBLS OF H2O ON LOCATION, WATER SAMPLE SUBMITTED.
Pump Water	01/19/2012 10:41		2	2			50.0	FILL LINES
Pressure Test	01/19/2012 10:44		0.5			3000. 0		NO LEAKS
Pump Spacer 1	01/19/2012 10:46		4	20			120.0	FRESH WATER

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	01/19/2012 10:53		6	69.5			340.0	185 SKS VERSACEM CMT MIXED AT 12.8 PPG, 2.11 YIELD, 11.75 GAL/SK, CMT WEIGHED VIA PRESSURE BALANCED MUD SCALES. WET AND DRY SAMPLES SUBMITTED.
Shutdown	01/19/2012 11:04							
Drop Plug	01/19/2012 11:07							PLUG LAUNCH
Pump Displacement	01/19/2012 11:07		8	40			490.0	FRESH WATER
Cement Returns to Surface	01/19/2012 11:13		2	30			450.0	10 BBLS CEMENT RETURNED TO SURFACE, 100 # SUGAR USED.
Slow Rate	01/19/2012 11:13		2	30			200.0	10 BBLS PRIOR TO CALCULATED DISPLACEMENT
Bump Plug	01/19/2012 11:17		2	40			800.0	PLUG LANDED HOLD FOR TWO MINUTES
Check Floats	01/19/2012 11:18							FLOATS HOLDING
End Job	01/19/2012 11:18							THANK YOU FOR USING HES FROM MARK PHILLIPS AND CREW.
Post-Job Safety Meeting (Pre Rig-Down)	01/19/2012 11:30							ALL HES EMPLOYEES
Rig-Down Equipment	01/19/2012 11:45							SAFELY
Pre-Convoy Safety Meeting	01/19/2012 12:30							ALL HES EMPLOYEES
Crew Leave Location	01/19/2012 13:00							SITE WAS AS CLEAN AS WHEN WE ARRIVED

HALLIBURTON

Water Analysis Report

Company: WILLIAMS
Submitted by: MARK PHILLIPS
Attention: LAB
Lease: H&P 280
Well #: SG 513-23

Date: 1/19/2012
Date Rec.: 1/19/2012
S.O.#: 9185915
Job Type: SURFACE

Specific Gravity	<i>MAX</i>	<i>1</i>
pH	<i>8</i>	<i>7</i>
Potassium (K)	<i>5000</i>	<i>220</i> Mg / L
Hrdness	<i>500</i>	<i>0</i> Mg / L
Iron (FE2)	<i>300</i>	<i>200</i> Mg / L
Chlorides (Cl)	<i>3000</i>	<i>0</i> Mg / L
Sulfates (SO ₄)	<i>1500</i>	<i><200</i> Mg / L
Temp	<i>40-80</i>	<i>60</i> Deg
Total Dissolved Solids		<i>380</i> Mg / L

Respectfully: MARK PHILLIPS

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE:

This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such repc