

BP AMERICA PROD CO-SORAC/NAG EBIZ
DO NOT MAIL - PO BOX 22024
TULSA, Oklahoma

McCarville GU
McCarville GU C #4

H & P Drilling/H & P/291

Post Job Summary

Cement Surface Casing

Prepared for: Igor Galperin
Date Prepared: 8/11/09

Version: 1

Service Supervisor: IGLEHEART, JEFFREY

Submitted by: Jeff Bergman

HALLIBURTON

The Road to Excellence Starts with Safety

Sold To #: 358135		Ship To #: 358135		Quote #:		Sales Order #: 6822438	
Customer: BP AMERICA PROD CO-SORAC/NAG EBIZ				Customer Rep: Galperin, Igor			
Well Name: McCarville GU			Well #: C #4		API/UWI #:		
Field: ROCKIES		City (SAP): TULSA		County/Parish: La Plata		State: Colorado	
Legal Description: Section 22 Township 33N Range 8W							
Contractor: H & P Drilling			Rig/Platform Name/Num: H & P 291				
Job Purpose: Cement Surface Casing							
Well Type: Development Well			Job Type: Cement Surface Casing				
Sales Person: MASON, KYLE			Srvc Supervisor: IGLEHEART, JEFFREY			MBU ID Emp #: 387932	

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
IGLEHEART, JEFFREY S		387932	NICELY, DANIEL		459534	RICHESIN, ANTHONY Ray		412961
WHIPPLE, JARED		445505						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10025031	65 mile	10724579	65 mile	10995088	65 mile	11042713	65 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							
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Job

Formation Name					Job Times			
Formation Depth (MD)	Top	Bottom			Called Out	Date	Time	Time Zone
Form Type		BHST			On Location	06 - Aug - 2009	06:45	MST
Job depth MD	400. ft	Job Depth TVD	393. ft		Job Started	06 - Aug - 2009	09:03	MST
Water Depth		Wk Ht Above Floor	6. ft		Job Completed	06 - Aug - 2009	09:50	MST
Perforation Depth (MD)	From	To			Departed Loc	06 - Aug - 2009	11:30	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
12 1/4" Surface Open Hole				12.25				.	405.		
8 5/8" Surface Casing	Unknown		8.625	8.017	28.			.	395.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
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 ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Water Spacer		20.00	bbl	8.34	.0	.0	.0		
2	Primary Cement	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	300.0	sacks	15.8	1.18	5.2		5.01	
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)								
	3 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)								
	0.125 lbm	POLY-E-FLAKE (101216940)								
	5.013 Gal	FRESH WATER								
3	Water Displacement		22.00	bbl	8.34	.0	.0	.0		
Calculated Values		Pressures		Volumes						
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	42 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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Legal Description: Section 22 Township 33N Range 8W			
Lat:		Long:	
Contractor: H & P Drilling		Rig/Platform Name/Num: H & P 291	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MASON, KYLE		Srvc Supervisor: IGLEHEART, JEFFREY	MBU ID Emp #: 387932

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart Location Safety Meeting	08/06/2009 05:10							
Crew Leave Yard	08/06/2009 05:15							
Arrive at Location from Service Center	08/06/2009 06:45							
Safety Meeting - Assessment of Location	08/06/2009 06:50							
Pre-Rig Up Safety Meeting	08/06/2009 07:20							
Rig-Up Equipment	08/06/2009 07:30							
Pre-Job Safety Meeting	08/06/2009 08:50							
Start Job	08/06/2009 09:03							
Pressure Test	08/06/2009 09:05					1500.0		TESTED LINES TO 1500 PSI
Pump Spacer 1	08/06/2009 09:09		2	20			100.0	PUMPED 20 BBLS OF FRESH WATER
Pump Cement	08/06/2009 09:18		4	63			85.0	PUMPED 63 BBLS (300SKS) OF CEMENT @ 15.8#
Cement Returns to Surface	08/06/2009 09:28							30 BBLS OF CEMENT CIRCULATED TO SURFACE
Drop Plug	08/06/2009 09:36							
Pump Displacement	08/06/2009 09:38		3.5	21.75			130.0	PUMPED 21.75 BBLS OF FRESH WATER
Bump Plug	08/06/2009 09:44		2				750.0	BUMPED PLUG @ 170 PSI AND TOOK IT UP TO 750 PSI

Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Check Floats	08/06/2009 09:49							FLOATS HELD
End Job	08/06/2009 09:50							
Safety Meeting - Pre Rig- Down	08/06/2009 09:55							
Rig-Down Equipment	08/06/2009 10:05							
Job Complete	08/06/2009 11:30							
Crew Leave Location	08/06/2009 11:35							