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# **NOBLE ENERGY INC E-BUSINESS**

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**Federal 7-41A  
PARACHUTE  
Garfield County , Colorado**

**Cement Surface Casing**  
**11-Sep-2010**

**Post Job Summary**

## The Road to Excellence Starts with Safety

<b>Sold To #:</b> 345242		<b>Ship To #:</b> 2806601		<b>Quote #:</b>		<b>Sales Order #:</b> 7609861	
<b>Customer:</b> NOBLE ENERGY INC E-BUSINESS				<b>Customer Rep:</b> HEARD, SHANE			
<b>Well Name:</b> Federal			<b>Well #:</b> 7-41A		<b>API/UWI #:</b> 05-045-19138		
<b>Field:</b> PARACHUTE		<b>City (SAP):</b> Parachute		<b>County/Parish:</b> Garfield		<b>State:</b> Colorado	
<b>Lat:</b> N 39.382 deg. OR N 39 deg. 22 min. 54.052 secs.				<b>Long:</b> W 108.026 deg. OR W -109 deg. 58 min. 25.237 secs.			
<b>Contractor:</b> H&P 322			<b>Rig/Platform Name/Num:</b> H&P 322				
<b>Job Purpose:</b> Cement Surface Casing							
<b>Well Type:</b> Development Well				<b>Job Type:</b> Cement Surface Casing			
<b>Sales Person:</b> METLI, MARSHALL			<b>Srvc Supervisor:</b> MAIN, CHAD			<b>MBU ID Emp #:</b> 335770	
<b>Job Personnel</b>							
<b>HES Emp Name</b>	<b>Exp Hrs</b>	<b>Emp #</b>	<b>HES Emp Name</b>	<b>Exp Hrs</b>	<b>Emp #</b>	<b>HES Emp Name</b>	<b>Exp Hrs</b>
BLUST, CHARLES Thomas		386662	BROWN, TRAVIS A		396848	JENKINS, DEMON Lashaun	
MAIN, CHAD R		335770					
<b>Equipment</b>							
<b>HES Unit #</b>	<b>Distance-1 way</b>	<b>HES Unit #</b>	<b>Distance-1 way</b>	<b>HES Unit #</b>	<b>Distance-1 way</b>	<b>HES Unit #</b>	<b>Distance-1 way</b>
10248057	60 mile	10551730C	60 mile	10804487	60 mile	10867304	60 mile
10951244	60 mile	10998054	60 mile				
<b>Job Hours</b>							
<b>Date</b>	<b>On Location Hours</b>	<b>Operating Hours</b>	<b>Date</b>	<b>On Location Hours</b>	<b>Operating Hours</b>	<b>Date</b>	<b>On Location Hours</b>
<b>TOTAL</b>			<i>Total is the sum of each column separately</i>				
<b>Job</b>				<b>Job Times</b>			
<b>Formation Name</b>				<b>Date</b>		<b>Time</b>	<b>Time Zone</b>
<b>Formation Depth (MD)</b>	<b>Top</b>	<b>Bottom</b>		<b>Called Out</b>	10 - Sep - 2010	23:00	MST
<b>Form Type</b>	BHST			<b>On Location</b>	11 - Sep - 2010	01:30	MST
<b>Job depth MD</b>	1520.3 ft	<b>Job Depth TVD</b>	1520.3 ft	<b>Job Started</b>	11 - Sep - 2010	03:30	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	. ft	<b>Job Completed</b>	11 - Sep - 2010	04:28	MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>		<b>Departed Loc</b>	11 - Sep - 2010	06:00	MST
<b>Well Data</b>							
<b>Description</b>	<b>New / Used</b>	<b>Max pressure psig</b>	<b>Size in</b>	<b>ID in</b>	<b>Weight lbm/ft</b>	<b>Thread</b>	<b>Grade</b>
							<b>Top MD ft</b>
							<b>Bottom MD ft</b>
							<b>Top TVD ft</b>
							<b>Bottom TVD ft</b>
<b>Sales/Rental/3<sup>rd</sup> Party (HES)</b>							
<b>Description</b>				<b>Qty</b>	<b>Qty uom</b>	<b>Depth</b>	<b>Supplier</b>
PLUG,CMTG,TOP,8 5/8,HWE,7.20 MIN/8.09 MA				1	EA		
ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI				1	JOB		
PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI				1	JOB		
R/A DENSOMETER W/CHART RECORDER,/JOB,ZI				1	JOB		
<b>Tools and Accessories</b>							
<b>Type</b>	<b>Size</b>	<b>Qty</b>	<b>Make</b>	<b>Depth</b>	<b>Type</b>	<b>Size</b>	<b>Qty</b>
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							
<b>Miscellaneous Materials</b>							
<b>Gelling Agt</b>		<b>Conc</b>		<b>Surfactant</b>		<b>Conc</b>	
<b>Treatment Fld</b>		<b>Conc</b>		<b>Inhibitor</b>		<b>Conc</b>	
						<b>Acid Type</b>	
						<b>Sand Type</b>	
						<b>Qty</b>	
						<b>Conc</b>	<b>%</b>
						<b>Size</b>	<b>Qty</b>

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	WATER SPACER		20.00	bbl	8.33	.0	.0	.0		
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	208.0	sacks	12.3	2.38	13.75		13.75	
	13.75 Gal	FRESH WATER								
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	137.0	sacks	12.8	2.11	11.75		11.75	
	11.75 Gal	FRESH WATER								
4	DISPLACEMENT		94.00	bbl	8.33	.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	0 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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<b>Job Purpose:</b> Cement Surface Casing			<b>Ticket Amount:</b>
<b>Well Type:</b> Development Well		<b>Job Type:</b> Cement Surface Casing	
<b>Sales Person:</b> METLI, MARSHALL		<b>Srv Supervisor:</b> MAIN, CHAD	<b>MBU ID Emp #:</b> 335770

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Depart Yard Safety Meeting	09/10/2010 22:50							ALL HES PERSONNEL CREW ROLLED OVER
Depart from Service Center or Other Site	09/10/2010 23:00							ONE ELITE, TWO BULK TRUCKS, ONE PICK UP
Arrive At Loc	09/11/2010 01:30							RIG WAS RUNNING CASING WHEN HES ARRIVED NO ADD HRS, PLUG CONTAINER, QUICK LATCH, AND DERRICK CHARGES
Assessment Of Location Safety Meeting	09/11/2010 01:35							LOCATION CLEAN NO TICKET DONE DUE TO CEMENT CHARGES WILL CORRECT AND BRING OUT ON NEXT JOB
Pre-Rig Up Safety Meeting	09/11/2010 01:40							ALL HES PERSONNEL
Rig-Up Equipment	09/11/2010 01:45							CUSTOMER SAID THAT HES BROUGHT OUT THE WRONG AMOUNT OF CEMENT LEAD SHOULD HAVE BEEN 208 SKS AND WE BROUGHT OUT 226 SK AND TAIL SHOULD HAVE BEEN 127 SKS PLUS 10 SKS FOR TOP OUT WE BROUGHT OUT 147 SKS
Rig-Up Completed	09/11/2010 02:35							HES RETURNED 28 SKS OF CEMENT TO YARD

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Start Job	09/11/2010 02:39							TOP OUT JOB ON LAST WELL 1" SET 20' DOWN
Pump Spacer 1	09/11/2010 02:40		1	1			18.0	H2O
Pump Cement	09/11/2010 02:41		1	3.7			29.0	10 SKS AT 12.8 PPG 2.11 FT3/SK 11.75/GAL/SK
Clean Lines	09/11/2010 02:47		1	0.7			38.0	H2O
Shutdown	09/11/2010 02:48							HES RETURNED 1 BBLS OF CEMENT BACK TO SURFACE
Other	09/11/2010 02:49							WAIT TO PUMP NEXT JOB
Pre-Job Safety Meeting	09/11/2010 03:20							ALL LOCATION PERSONNEL
Start Job	09/11/2010 03:28							TD 1530' CSG 1520.31' SJ 44.44' MUD 9.2 PPG OFF LINE CEMENT JOB PUMPING THOURGH A SWAGE
Pressure Test	09/11/2010 03:31						2500. 0	
Pump Spacer 1	09/11/2010 03:33		2		20		50.0	H2O HES HAD FULL CIRCULATION ENTIRE JOB
Pump Lead Cement	09/11/2010 03:41		6		88.1		217.0	208 SKS AT 12.3 PPG 2.37 FT3/SK 13.76 GAL/SK
Pump Tail Cement	09/11/2010 03:56		6		47.7		147.0	127 SKS AT 12.8 PPG 2.11 FT3/SK 11.75 GAL/SK
Shutdown	09/11/2010 04:03							
Drop Top Plug	09/11/2010 04:06							
Pump Displacement	09/11/2010 04:09		8	93.8			50.0	H2O
Bump Plug	09/11/2010 04:25		2	93.8			333.0	HES RETURNED 9 BBLS OF CEMENT TO SURFACE
Check Floats	09/11/2010 04:27						823.0	FLOATS HELD
End Job	09/11/2010 04:28							

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pre-Rig Down Safety Meeting	09/11/2010 04:30							ALL HES PERSONNEL
Rig-Down Equipment	09/11/2010 04:45							
Rig-Down Completed	09/11/2010 05:30							
Depart Location Safety Meeting	09/11/2010 05:45							ALL HES PERSONNEL
Depart Location for Service Center or Other Site	09/11/2010 06:00							LOCATION WAS LEFT AS CLEAN AS IT WAS WHEN HES ARRIVED
Other	09/11/2010 06:01							THANK YOU FOR USING HALLIBURTON GRAND JUNCTION CHAD MAIN AND CREW