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**NOBLE ENERGY INC E-BUSINESS**

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**HYRUP 11-41B  
GRAND VALLEY  
Garfield County , Colorado**

**Cement Surface Casing**  
26-Oct-2010

**Post Job Report**

*The Road to Excellence Starts with Safety*

<b>Sold To #:</b> 345242	<b>Ship To #:</b> 2815344	<b>Quote #:</b>	<b>Sales Order #:</b> 7729505
<b>Customer:</b> NOBLE ENERGY INC E-BUSINESS		<b>Customer Rep:</b> NEILSON, DAVE	
<b>Well Name:</b> HYRUP		<b>Well #:</b> 11-41B	<b>API/UWI #:</b> 05-045-14061
<b>Field:</b> GRAND VALLEY	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Lat:</b> N 39.373 deg. OR N 39 deg. 22 min. 22.393 secs.		<b>Long:</b> W 108.073 deg. OR W -109 deg. 55 min. 37.283 secs.	
<b>Contractor:</b> H&P Drilling		<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> HOEFER, BRYAN	<b>MBU ID Emp #:</b> 415775

**Job Personnel**

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
GAMBLE, BENJAMIN T	7	446666	HOEFER, BRYAN D	7	415775	LEIST, JAMES R	7	362787

**Equipment**

HES Unit #	Distance-1 way						
10713212	60 mile	10741123	60 mile	10872429	60 mile	11259885	60 mile
11360883	60 mile						

**Job Hours**

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
10/26/2010	7	2						

**TOTAL** Total is the sum of each column separately

**Job**

**Job Times**

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
<b>Form Type</b>		BHST	<b>On Location</b>	26 - Oct - 2010	14:00	MST
<b>Job depth MD</b>	1512. ft	<b>Job Depth TVD</b>	<b>Job Started</b>	26 - Oct - 2010	19:53	MST
<b>Water Depth</b>		<b>Wk Ht Above Floor</b>	<b>Job Completed</b>	26 - Oct - 2010	20:51	MST
<b>Perforation Depth (MD)</b>	<b>From</b>	<b>To</b>	<b>Departed Loc</b>			

**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
<b>Sales/Rental/3<sup>rd</sup> Party (HES)</b>											

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 8 5/8, HWE, 7.20 MIN/8.09 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	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	8.625"	1	
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 <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	6	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	202.0	sacks	12.3	2.38	13.75	6	13.75
	13.75 Gal	FRESH WATER							
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	126.0	sacks	12.8	2.11	11.75	6	11.75
	11.75 Gal	FRESH WATER							
4	Displacement		91.5	bbl	8.33	.0	.0	8	
<b>Calculated Values</b>		<b>Pressures</b>			<b>Volumes</b>				
Displacement	91.5	Shut In: Instant		Lost Returns	0	Cement Slurry	132.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	11	Actual Displacement	91.5	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	
<b>Rates</b>									
Circulating	6	Mixing	6	Displacement	8	Avg. Job	7		
Cement Left In Pipe	Amount	42.13 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					

*The Road to Excellence Starts with Safety*

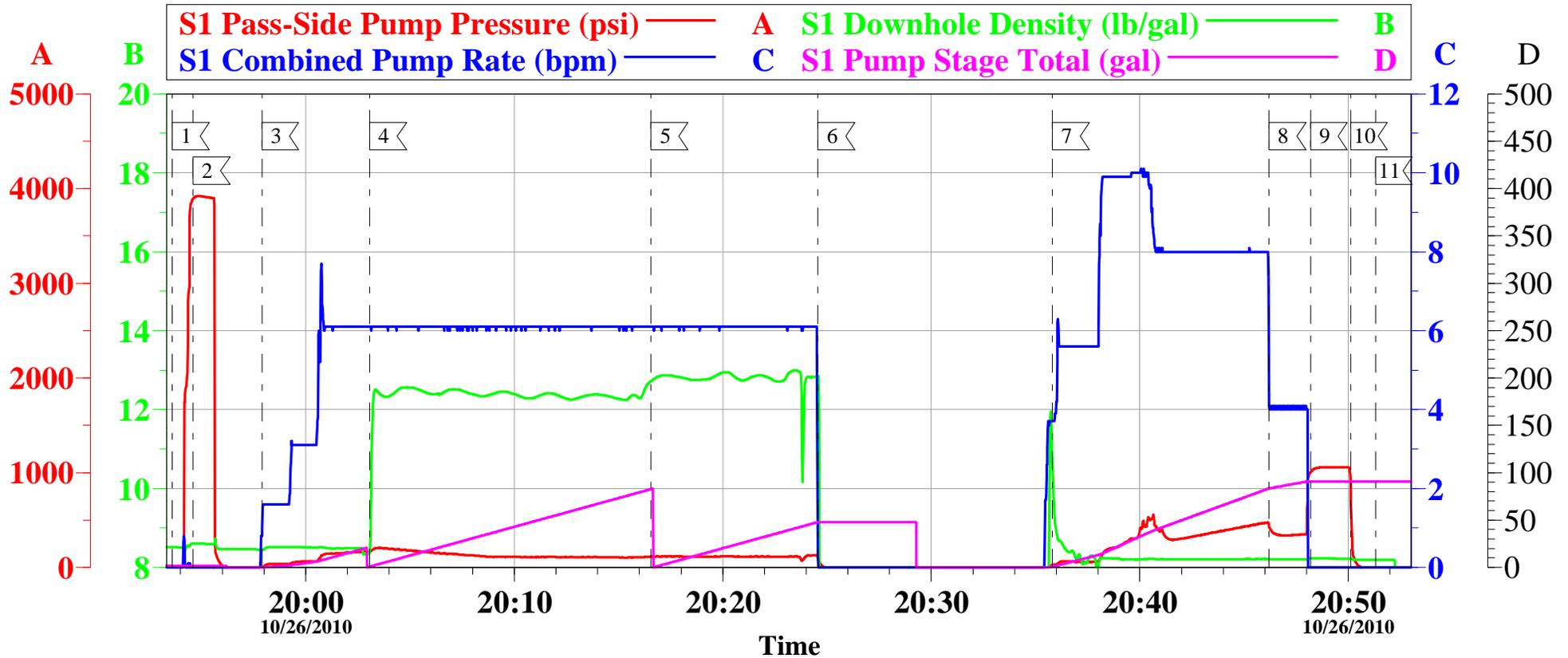
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<b>Customer:</b> NOBLE ENERGY INC E-BUSINESS		<b>Customer Rep:</b> NEILSON, DAVE	
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<b>Field:</b> GRAND VALLEY	<b>City (SAP):</b> PARACHUTE	<b>County/Parish:</b> Garfield	<b>State:</b> Colorado
<b>Legal Description:</b>			
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<b>Contractor:</b> H&P Drilling		<b>Rig/Platform Name/Num:</b> H&P 322	
<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>Srvc Supervisor:</b> HOEFER, BRYAN	<b>MBU ID Emp #:</b> 415775

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Arrive At Loc	10/26/2010 02:00							ARRIVED 1.5 HRS EARLY, RUNNING WIPER TRIP UPON ARRIVAL
Assessment Of Location Safety Meeting	10/26/2010 02:30							WITH ALL HES EE'S
Call Out	10/26/2010 11:00							
Pre-Convoy Safety Meeting	10/26/2010 12:30							WITH ALL HES EE'S
Depart from Service Center or Other Site	10/26/2010 12:30							
Pre-Rig Up Safety Meeting	10/26/2010 16:30							WITH ALL HES EE'S
Rig-Up Equipment	10/26/2010 16:35							IRON TO SWEDGE, WATER LINES, 1 660 BULK TRUCK, F-550
Other	10/26/2010 16:36							PUMPED CEMENT JOB OFFLINE, PUMPED THROUGH A SWEDGE
Pre-Job Safety Meeting	10/26/2010 19:30							WITH ALL HES EE'S AND RIG CREW
Start Job	10/26/2010 19:51							TD-1512', TP-1481', SJ-42.13', MUD, OH-12 1/4", 8 5/8" CASING 24#
Prime Pumps	10/26/2010 19:52		2	2			76.0	FRESH WATER
Test Lines	10/26/2010 19:54		0.5	0.5			3800.0	TESTED TO 3800psi, TEST HELD GREAT
Pump Spacer	10/26/2010 19:57		6	20			180.0	FRESH WATER
Pump Lead Cement	10/26/2010 20:03		6	85.6			219.0	202skts OF VERSACEM PUMPED @ 12.3#, 2.38 ft3/sk, 13.75 gal/sk

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	10/26/2010 20:16		6	47.3			130.0	126sks OF VERSACEM PUMPED @ 12.8#, 2.11 ft3/sk, 11.75 gal/sk
Shutdown	10/26/2010 20:24							
Drop Top Plug	10/26/2010 20:33							UNSCREWED SWEDGE TO DROP TOP PLUG
Pump Displacement	10/26/2010 20:35		8	91.5			435.0	FRESH WATER
Slow Rate	10/26/2010 20:46		4	80			360.0	LAST 10 BBLS
Bump Plug	10/26/2010 20:48		4	91.5			860.0	TOOK 500psi OVER
Check Floats	10/26/2010 20:50							FLOATS HELD
End Job	10/26/2010 20:51							GOOD RETURNS THROUGHOUT JOB, 11 BBLS BACK TO THE PIT
Post-Job Safety Meeting (Pre Rig-Down)	10/26/2010 20:55							WITH ALL HES EE'S
Rig-Down Equipment	10/26/2010 22:00							
Pre-Convoy Safety Meeting	10/26/2010 22:35							WITH ALL HES EE'S
Depart Location for Service Center or Other Site	10/26/2010 22:40							THANK YOU FOR USING GRAND JUNCTION HALLIBURTON CEMENT, BRYAN HOEFER AND CREW

# NOBLE

## HYRUP 11-41B, SURFACE



Local Event Log							
Maximum		SPPP	Maximum		SPPP		
1	START JOB	19:53:36	3891	2	TEST LINES	19:54:36	3920
3	PUMP SPACER	19:57:54	170.3	4	PUMP LEAD CEMENT	20:03:04	206.3
5	PUMP TAIL CEMENT	20:16:34	130.3	6	SHUT DOWN/DROP PLUG	20:24:34	103.3
7	PUMP DISPLACEMENT	20:35:49	558.3	8	SLOW RATE	20:46:12	1005
9	BUMP PLUG	20:48:11	1056	10	CHECK FLOATS	20:50:06	979.3
11	END JOB	20:51:18	62.30				

Customer: NOBLE	Job Date: 26-Oct-2010	Sales Order #: 7729505
Well Description: HYRUP 11-41B	Job type: SURFACE	ADC Used: YES
Customer Rep: CHARLES CULVER	Service Supervisor: BRYAN HOEFER	Operator/ Pump: LEIST/ 7