
NOBLE ENERGY INC E-BUSINESS

**RULISON FED 20-11A
RULISON
Garfield County , Colorado**

**Cement Surface Casing
03-Mar-2011**

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2814376		Quote #:		Sales Order #: 7983629							
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: Wilkerson, Kenny									
Well Name: RULISON FED			Well #: 20-11A		API/UWI #: 05-045-18781								
Field: RULISON		City (SAP): RIFLE		County/Parish: Garfield		State: Colorado							
Lat: N 39.433 deg. OR N 39 deg. 25 min. 59.642 secs.				Long: W 107.918 deg. OR W -108 deg. 4 min. 56.071 secs.									
Contractor: H&P 322			Rig/Platform Name/Num: H&P 322										
Job Purpose: Cement Surface Casing													
Well Type: Development Well				Job Type: Cement Surface Casing									
Sales Person: METLI, MARSHALL			Srcv Supervisor: CALDWELL, JEFFREY			MBU ID Emp #: 369111							
Job Personnel													
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #						
CALDWELL, JEFFREY S		8	369111	DOUT, JACOB J		8	430298						
MOAT, RYAN C		8	489025	YOUNG, JEREMY R		8	418013						
LYNCH, JACK William		8	483039										
Equipment													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way						
10011429	60 mile	10784053	60 mile	10804567	60 mile	10951249	60 mile						
11560046	60 mile	11562538	60 mile										
Job Hours													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours					
03-03-11	8	1											
TOTAL								<i>Total is the sum of each column separately</i>					
Job				Job Times									
Formation Name				Date		Time	Time Zone						
Formation Depth (MD)	Top	Bottom	Called Out		02 - Mar - 2011	20:00	MST						
Form Type		BHST		On Location		03 - Mar - 2011	01:00	MST					
Job depth MD		1540. ft	Job Depth TVD		1540. ft	Job Started	03 - Mar - 2011	06:24	MST				
Water Depth		Wk Ht Above Floor		-15. ft	Job Completed		03 - Mar - 2011	07:31	MST				
Perforation Depth (MD)	From	To	Departed Loc		03 - Mar - 2011	09:00	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		
Tools and Accessories													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	8 5/8	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 ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		

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 Spacer		20	bbl	.	.0	.0	4.0	
2	Lead Cement	VERSACEM (TM) SYSTEM (452010)	231	sacks	12.3	2.38	13.75	6.0	13.75
3	Tail Cement	VERSACEM (TM) SYSTEM (452010)	133	sacks	12.8	2.11	11.75	5.0	11.75
4	Displacement		62	bbl	.	.0	.0	5.0	
Calculated Values		Pressures		Volumes					
Displacement	89.2	Shut In: Instant		Lost Returns	0	Cement Slurry	147.9	Pad	
Top Of Cement	SURFACE	5 Min		Cement Returns	10	Actual Displacement	62	Treatment	
Frac Gradient		15 Min		Spacers	20	Load and Breakdown		Total Job	229.9
Rates									
Circulating	4	Mixing		5	Displacement	5	Avg. Job		5
Cement Left In Pipe	Amount	445 ft	Reason	WE SHUT DOWN DISP. EARLY AS PER COMPANY REP					
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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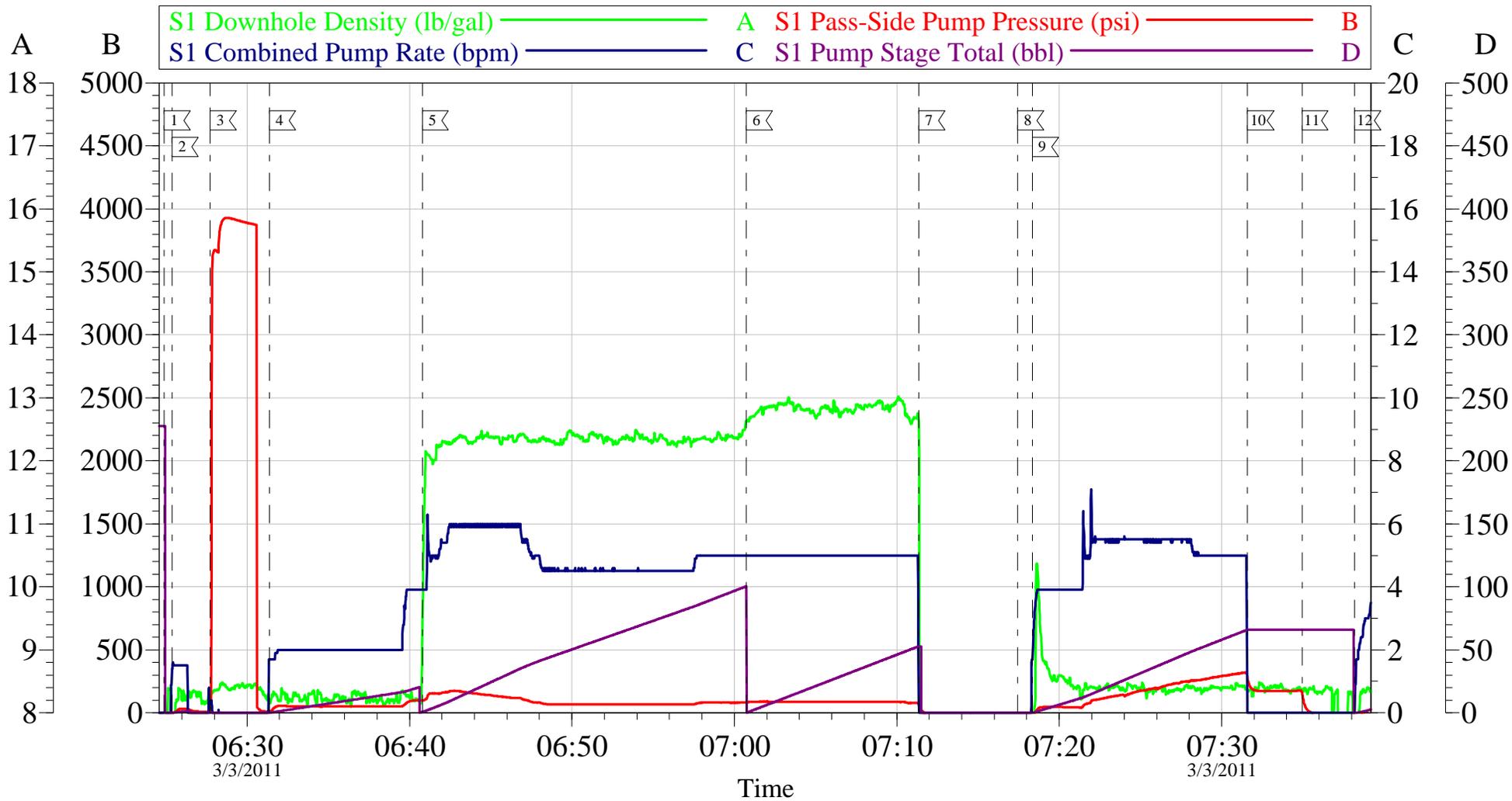
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Field: RULISON	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: H&P 322		Rig/Platform Name/Num: H&P 322	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: METLI, MARSHALL		Srvc Supervisor: CALDWELL, JEFFREY	
MBU ID Emp #: 369111			

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/02/2011 20:00							ELITE #5
Pre-Convoy Safety Meeting	03/02/2011 22:40							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Crew Leave Yard	03/02/2011 23:00							
Arrive At Loc	03/03/2011 01:00							CASING WAS STILL BEING RUN DOWN WELL.
Safety Meeting	03/03/2011 01:05							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Rig-Up Equipment	03/03/2011 01:15							
Pre-Job Safety Meeting	03/03/2011 03:30							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Wait on Customer or Customer Sub-Contractor Equip	03/03/2011 03:55							RIG CREW HAD PROBLEM SCREWING ON PUP LANDING JOINT TO WELL HEAD. THREADS WERE STRIPPED.
Start Job	03/03/2011 06:24							TD:1540', TP:1508', SJ:42.80',MUD:8.9 PPG, 12 1/4" OH.
Prime Pumps	03/03/2011 06:25		1.5	1.5			31.0	H2O
Test Lines	03/03/2011 06:27						3500.0	TEST GOOD
Pump Spacer	03/03/2011 06:31		4	20			90.0	H2O
Pump Lead Cement	03/03/2011 06:40		6	97.9			84.0	231 SKS 12.3 PPG 2.38 CUFT/SAK 13.75 GAL/SAK

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	03/03/2011 07:00		5	50			80.0	133 SKS 12.8 PPG 2.11 CUFT/SAK 11.75 GAL/SAK
Shutdown	03/03/2011 07:11							CEMENT JOB WAS PUMPED OFFLINE.
Drop Top Plug	03/03/2011 07:17							PLUG AWAY
Pump Displacement	03/03/2011 07:18		5.5	89.2			313.0	H2O
Slow Rate	03/03/2011 07:28		5	60			313.0	
Bump Plug	03/03/2011 07:31		5	62			321.0	PLUG DID NOT BUMP. AS PER COMPANY REP WE SHUT DOWN ONCE WE GOT 10 BBLs OF GOOD CEMENT BACK. APPROX. 445' OF CEMENT LEFT IN PIPE.
Check Floats	03/03/2011 07:34							FLOATS HELD, 1/4 BBL BACK. GOOD CIRCULATION THROUGH OUT JOB.
End Job	03/03/2011 07:38							
Post-Job Safety Meeting (Pre Rig-Down)	03/03/2011 07:39							ALL PERSONNEL ASSOCIATED WITH JOB ATTENDED.
Rig-Down Equipment	03/03/2011 07:40							
Crew Leave Location	03/03/2011 09:00							THANK YOU FOR CHOOSING HALLIBURTON, JEFF CALDWELL AND CREW.

NOBLE

RF 20-11A Surface



Local Event Log			
1 Start Job	06:24:54	2 Prime Lines	06:25:23
3 Test Lines	06:27:43	4 Pump H2O Spacer	06:31:23
5 Pump Lead Cement	06:40:48	6 Pump Tail Cement	07:00:44
7 Shut Down	07:11:22	8 Drop Top Plug	07:17:26
9 Pump Displacement	07:18:20	10 Shut Down Displacement	07:31:36
11 Check Floats	07:34:57	12 End Job	07:38:11

Customer: Noble	Job Date: 03-Mar-2011	Sales Order #: 7983629
Well Description: RF 20-11A	Job Type: Surface	ADC Used: Yes
Company Rep: Kenny Wilkerson	Cement Supervisor: Jeff Caldwell	Elite #: 5/Jeremy Young