

*The Road to Excellence Starts with Safety*

Sold To #: 338668	Ship To #: 2940402	Quote #:	Sales Order #: 900427802
Customer: CHEVRON - MID-CONTINENT EBIZ	Customer Rep: ALVIN H.		
Well Name: UPRR	Well #: 73X-29	API/UWI #: 05-103-07386	
Field:	City (SAP): RANGELY	County/Parish: Rio Blanco	State: Colorado
Job Purpose: Cement Liner			
Well Type: Producing Well	Job Type: Cement Liner		
Sales Person: SCHWARTZ, MICHAEL	Srvc Supervisor: DEAN, MARK	MBU ID Emp #: 454214	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEAN, MARK	7	454214	FUCHS, ANDREW	7	489821	Molvig, Karl	7	536620
Christophe			Peter					
SMITH, BRET George	7	529662						

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10948690	50 mile	11056349	50 mile	11501021	50 mile		

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
05-09-13	7	7						
TOTAL			Total is the sum of each column separately					

## Job

## Job Times

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To	Called Out	Date	Time	Time Zone
				BHST	5552. ft			Wk Ht Above Floor		2 ft	09 - May - 2013	09:14	06:00	MST
				145 degF							09 - May - 2013	09:14	06:00	MST
											09 - May - 2013	12:26	12:26	MST
											09 - May - 2013	14:30	14:30	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
6.125" Open Hole				6.125				6275.	6415.		
7" Bridge Plug	Unknown							5590.	5591.		
5.5" Scab Liner	Unknown		5.5	4.892	17.		L-80		5590.		
7" Production Casing	Unknown		7.	6.366	23.				6275.		

## Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug	5.5	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	5.5	1	HES
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 Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft3/sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
Fluid #	Stage Type							

1	Fresh Water		90	bbl	8.34	.0	.0	.0	
2	Scab Liner Cement	HALCEM (TM) SYSTEM (452986)	290	sacks	13.5	1.4	6.73		6.73
	6.73 Gal	FRESH WATER							
3	Fresh Water		128	bbl	8.34	.0	.0	.0	
<b>Calculated Values</b>		<b>Pressures</b>		<b>Volumes</b>					
Displacement	127.5	Shut In: Instant		Lost Returns	0	Cement Slurry	72	Pad	
Top Of Cement	SURF	5 Min		Cement Returns	9	Actual Displacement	128	Treatment	90
Frac Gradient		15 Min		Spacers	90	Load and Breakdown		Total Job	290
<b>Rates</b>									
Circulating	3	Mixing	2	Displacement	3	Avg. Job	2		
Cement Left In Pipe	Amount	44 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*

<b>Sold To #:</b> 338668		<b>Ship To #:</b> 2940402		<b>Quote #:</b>		<b>Sales Order #:</b> 900427802	
<b>Customer:</b> CHEVRON - MID-CONTINENT EBIZ				<b>Customer Rep:</b> ALVIN H.			
<b>Well Name:</b> UPRR			<b>Well #:</b> 73X-29			<b>API/UWI #:</b> 05-103-07386	
<b>Field:</b>		<b>City (SAP):</b> RANGELY		<b>County/Parish:</b> Rio Blanco		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b> N 0 deg. OR N 0 deg. 0 min. 0 secs.				<b>Long:</b> E 0 deg. OR E 0 deg. 0 min. 0 secs.			
<b>Contractor:</b>			<b>Rig/Platform Name/Num:</b>				
<b>Job Purpose:</b> Cement Liner						<b>Ticket Amount:</b> \$20,580.84	
<b>Well Type:</b> Producing Well			<b>Job Type:</b> Cement Liner				
<b>Sales Person:</b> SCHWARTZ, MICHAEL			<b>Srvc Supervisor:</b> DEAN, MARK			<b>MBU ID Emp #:</b> 454214	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/09/2013 02:00							Crew Called Out @ 02:00
Pre-Convoy Safety Meeting	05/09/2013 04:15							Discussed Planned Route, Chaining Up & Safe Driving
Depart from Service Center or Other Site	05/09/2013 04:30							Departed Yard in Convoy
Arrive at Location from Service Center	05/09/2013 06:00							Pulled Equipment Off the Road to Inspect Site.
Wait on Customer or Customer Sub-Contractor Equip	05/09/2013 06:01							Waiting on Customer to get on Site
Assessment Of Location Safety Meeting	05/09/2013 06:45							Discussed Layout & Spotting Equipment
Wait on Customer or Customer Sub-Contractor Equipm	05/09/2013 07:00							Customer arrived. Spotted Equipment on Location.
Pre-Rig Up Safety Meeting	05/09/2013 07:15							Discussed PPE, Red Zones & Other Hazards
Rig-Up Equipment	05/09/2013 07:20							Rigged up Safely to Customer & HES Standards
Pre-Job Safety Meeting	05/09/2013 08:30							Discussed Job Procedure & Safety Concerns with Customer & Crew
Test Lines	05/09/2013 09:17							Tested Lines to 3000 psi (Pressure Held)
Circulate Well	05/09/2013 09:25		3	71			380.0	Pumped a Total of 71 BBL Water to Circulate out gas and oil.
Other	05/09/2013 09:30							Discovered Leak from Casing @ Surface.
Shutdown	05/09/2013 09:50							Shutdown.



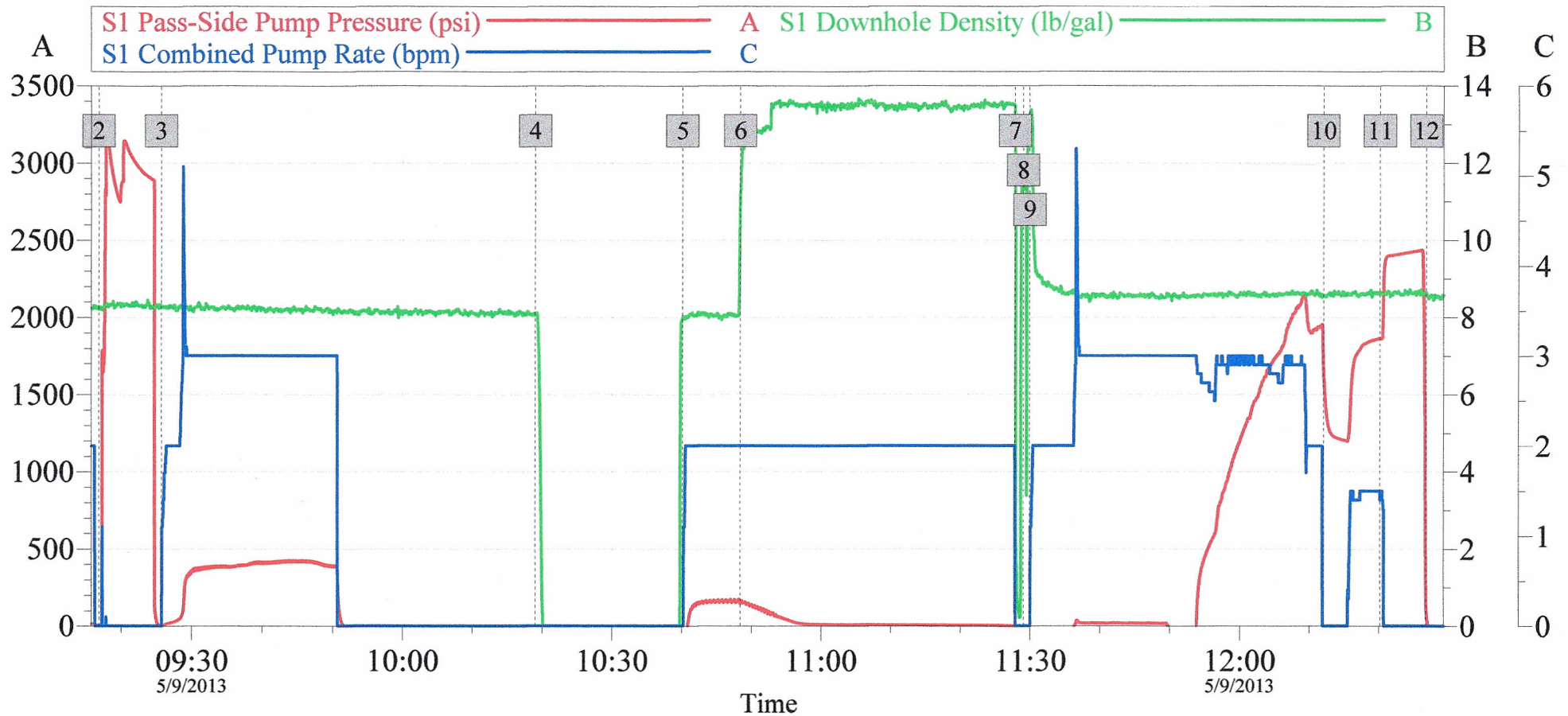
## Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Wait on Orders - Start Time	05/09/2013 09:51							Waiting on Orders from the Customer
Wait on Orders - End Time	05/09/2013 10:39							Customer decided to Pump.
Circulate Well	05/09/2013 10:40		2	15			160.0	Pumped an additional 15 BBL to Circulate Well
Pump Cement	05/09/2013 10:48		2	72			150.0	Pumped 72 BBL CMT @ D: 13.5# Y: 1.40 W: 6.73 (290 sks)
Shutdown	05/09/2013 11:28							Shutdown to Drop Plug
Drop Plug	05/09/2013 11:29							Tattle Tell Opened. Plug Left Head
Clean Lines	05/09/2013 11:30							Washed up on top of Plug with first 10 BBL of Displacement.
Pump Displacement	05/09/2013 11:30		3	128			30.0	Pumped 128 BBL of Fresh Water Displacement
Displ Reached Cmnt	05/09/2013 11:56		3	80			580.0	Caught Plug with 80 BBL Gone.
Cement Returns to Surface	05/09/2013 12:10		2	119			1900.0	9 BBL of CMT to Surface
Shutdown	05/09/2013 12:12			123				Shutdown to Monitor Well per Customer Request.
Pump Displacement	05/09/2013 12:15		1.5	123			1500.0	Pumped Last 5 BBL of Calculated Displacement.
Bump Plug	05/09/2013 12:21							Bumped Plug @ 1850 psi. 500 psi over to 2350psi
Check Floats	05/09/2013 12:26							1 BBL back to Truck
Pre-Rig Down Safety Meeting	05/09/2013 12:30							Discussed Trapped Pressure, Overhead Loads, & Other Hazards.
Rig-Down Equipment	05/09/2013 12:40							Rigged Down Safely to Customer & HES Standards.
Pre-Convoy Safety Meeting	05/09/2013 14:00							Discussed Safe Driving.
Depart Location for Service Center or Other Site	05/09/2013 14:15							Thankyou for Chosing Halliburton!

# Chevron 5.5 Liner

UPRR # 73X-29

05-09-13



Customer: Chevron  
Well Description: UPRR  
Cementer: Mark Dean

Job Date: 09-May-2013  
Well #: 73X-29  
Operator: Andy Fuchs

Sales Order #: 900427802  
Red Tiger #: 11501021

OptiCem v6.4.10  
09-May-13 12:51