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# **CHEVRON - MID-CONTINENT EBIZ**

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**Hagood A9  
RANGELY WEBER SAND UNIT  
Rio Blanco County , Colorado**

**Cement Production Casing**  
**24-Mar-2011**

**Job Site Documents**

## Cementing Job Summary

## ***The Road to Excellence Starts with Safety***

<b>Sold To #:</b> 338668		<b>Ship To #:</b> 2843999		<b>Quote #:</b>		<b>Sales Order #:</b> 8050132	
<b>Customer:</b> CHEVRON - MID-CONTINENT EBIZ				<b>Customer Rep:</b>			
<b>Well Name:</b> Hagood			<b>Well #:</b> A9		<b>API/UWI #:</b>		
<b>Field:</b> RANGELY WEBER		<b>City (SAP):</b> RANGELY		<b>County/Parish:</b> Rio Blanco		<b>State:</b> Colorado	
SAND UNIT							
<b>Contractor:</b> WORKOVER			<b>Rig/Platform Name/Num:</b> Workover				
<b>Job Purpose:</b> Cement Production Casing							
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Production Casing				
<b>Sales Person:</b> SCHROEDER, BRYCE			<b>Srvs Supervisor:</b> MCKEE, RALPH			<b>MBU ID Emp #:</b> 259268	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BROWN, PAUL	6	491062	FUCHS, ERIC James	6	471203	HUNTER, SAMUEL David	6	479669
MCKEE, RALPH R	6	259268	STILL, MICHEAL Wayne	6	258213			

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way

### Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
3-24-2011	6	2,5						

<b>TOTAL</b>	Total is the sum of each column separately	
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## Job

## Job Times

Formation Name						Date	Time	Time Zone
Formation Depth (MD)	Top		Bottom		Called Out	24 - Mar - 2011	03:00	MST
Form Type		BHST			On Location	24 - Mar - 2011	07:30	MST
Job depth MD	6494. ft	Job Depth TVD	6494. ft		Job Started	24 - Mar - 2011	10:51	MST
Water Depth		Wk Ht Above Floor			Job Completed	24 - Mar - 2011	13:30	MST
Perforation Depth (MD)	From		To		Departed Loc	24 - Mar - 2011	15:00	MST

## Well Data

<i>Description</i>	<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>
5-1/2" 17 #/ft	Unknown		5.5	4.892	17.			.	6480.		
7 in. 23 #/ft, K-55	Used		7.	6.366	23.		K-55	.	6494.		
Bridge Plug	Unknown		7.	6.366	23.	8 RD (LT&C)	J-55	6490.	6493.		

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

Description	Qty	Qty uom	Depth	Supplier
		LB		
PLUG,CMTG,TOP,5 1/2,HWE,4.38 MIN/5.09 MA	1	EA		

## 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 <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Fresh Water		150.00	bbl	8.34	.0	.0	.0	
2	BondCem V1	BONDCEM (TM) SYSTEM (452977)	305.0	sacks	13.5	1.46	6.99		6.99
	0.25 %	HR-5, 50 LB SK (100005050)							
	6.99 Gal	FRESH WATER							
3	Displacement		150.00	bbl	10.			.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	150	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					



*The Road to Excellence Starts with Safety*

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<b>Customer:</b> CHEVRON - MID-CONTINENT EBIZ				<b>Customer Rep:</b>			
<b>Well Name:</b> Hagood			<b>Well #:</b> A9		<b>API/UWI #:</b>		
<b>Field:</b> RANGELY WEBER SAND UNIT		<b>City (SAP):</b> RANGELY		<b>County/Parish:</b> Rio Blanco		<b>State:</b> Colorado	
<b>Legal Description:</b>							
<b>Lat:</b>				<b>Long:</b>			
<b>Contractor:</b> WORKOVER			<b>Rig/Platform Name/Num:</b> Workover				
<b>Job Purpose:</b> Cement Production Casing						<b>Ticket Amount:</b>	
<b>Well Type:</b> Development Well			<b>Job Type:</b> Cement Production Casing				
<b>Sales Person:</b> SCHROEDER, BRYCE			<b>Srv Supervisor:</b> MCKEE, RALPH			<b>MBU ID Emp #:</b> 259268	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	03/24/2011 03:00							Crew called out for job.
Pre-Convoy Safety Meeting	03/24/2011 04:15							Met with crew to discuss the hazards of travel, convoy order, and route to destination.
Depart from Service Center or Other Site	03/24/2011 04:45							Entered into Journey Management.
Arrive at Location from Service Center	03/24/2011 07:00							Ended Journey Management.
Other	03/24/2011 07:15							Met with company man to get numbers and verify information.
Other	03/24/2011 08:00							RIG READY
Assessment Of Location Safety Meeting	03/24/2011 08:15							Walked around location with crew to identify material locations (water, mud, etc), potential hazards for spotting equipment, and discussed equipment placement.
Other	03/24/2011 08:23							Spot Equipment
Pre-Rig Up Safety Meeting	03/24/2011 08:32							Discuss Safety and hazards.
Rig-Up Equipment	03/24/2011 08:45							Rig iron on the ground.
Pre-Job Safety Meeting	03/24/2011 10:30							
Other	03/24/2011 10:51				3			FILL LINES
Pressure Test	03/24/2011 10:54						3100.0	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Water	03/24/2011 10:58		5		150		10.0	
Shutdown	03/24/2011 11:46							
Other	03/24/2011 12:07			2			750.0	CASING PRESSURE TEST
Pump Cement	03/24/2011 12:19		4.5		79.3		750.0	305 SKS. PLUGCEM @ 13.5 #, 1.46 Y, 6.99 GPS
Shutdown	03/24/2011 12:41							DROP TOP PLUG
Pump Displacement - Start	03/24/2011 12:45		7				.0	
Slow Rate	03/24/2011 13:06		3	115			1937.0	
Cement Returns to Surface	03/24/2011 13:11			126				
Bump Plug	03/24/2011 13:20		2.5		150		2810.0	PRESSURED UP TO 3294
Check Floats	03/24/2011 13:23						3294.0	FLOATS DID NOT HOLD
Bump Plug	03/24/2011 13:29						3270.0	RE-BUMP PLUG / PRESSURED UP WELL/SHUT IN
End Job	03/24/2011 13:32							
Post-Job Safety Meeting (Pre Rig-Down)	03/24/2011 13:40							
Rig-Down Equipment	03/24/2011 13:50							
Safety Meeting - Departing Location	03/24/2011 14:45							
Crew Leave Location	03/24/2011 15:00							
Other	03/24/2011 15:00							Thanks for using Halliburton!!!

Sold To # : 338668

Ship To # :2843999

Quote # :

Sales Order # :

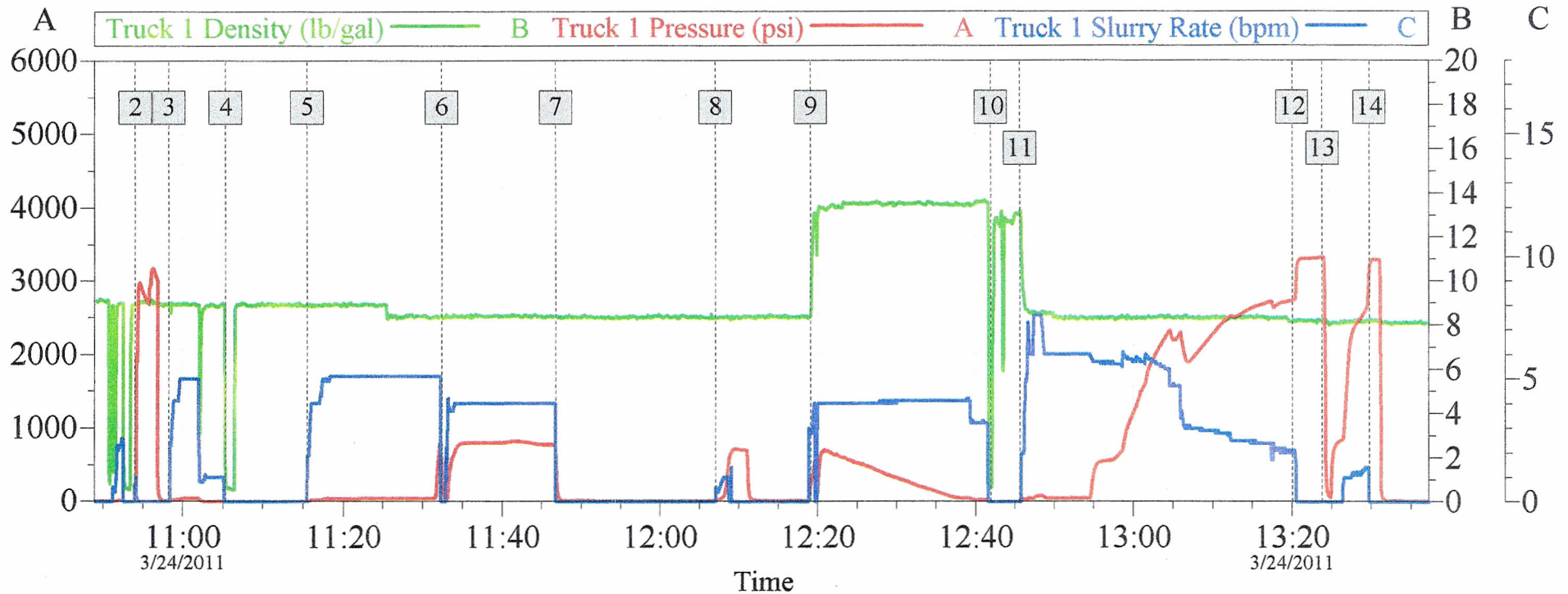
8050132



# CHEVERON PRODUCTION LINER

## HAGOOD # A9

3-24-2011



### Global Event Log

2	PRESSURE TEST	10:54:02	3	WATER AHEAD	10:58:16
4	SHUT DOWN	11:05:22	5	PUMP WATER	11:15:32
6	WELL CIRCULATES (K.O.)	11:32:26	7	SHUT DOWN /WAIT	11:46:50
8	PRESSURE TEST CSG.	12:07:04	9	Pump Cement	12:19:09
10	Drop Top Plug	12:41:57	11	Pump Displacement	12:45:40
12	Bump Plug	13:20:03	13	CHECK FLOATS	13:23:52
14	PRESS UP -SHUT IN WELL	13:29:46			

Customer: CHEVERON  
Well Description: HAGOOD A9

Job Date: 24-Mar-2011  
UWI:

Sales Order #: 8050132

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24-Mar-11 13:56