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## **CHEVRON - MID-CONTINENT EBIZ**

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SKR 698-09-AV-15  
PICEANCE  
Garfield County , Colorado

### **Cement Production Casing**

06-Apr-2009

### **Job Site Documents**

## The Road to Excellence Starts with Safety

Sold To #: 338668	Ship To #: 2713343	Quote #:	Sales Order #: 6585519
Customer: CHEVRON - MID-CONTINENT EBIZ	Customer Rep: MEIER, DAN		
Well Name: SKR	Well #: 698-09-AV-15	API/UWI #:	
Field: PICEANCE	City (SAP):	County/Parish: Garfield	State: Colorado
Contractor: H&P 318	Rig/Platform Name/Num: H&P 318		
Job Purpose: Cement Production Casing			
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: DUNNING, DUSTIN	Srv Supervisor: NELSON, RYAN	MBU ID Emp #: 386514	

## Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
ANDERSON, ADAM S	6	456683	HAYES, JESSE Doug	6	403601	JAMISON, PRICE W	6	229155
LEIST, JAMES R	6	362787	LOCKLEAR, BRANDON Nakya	6	445806	LUNCEFORD, STEVEN John	6	457512
NELSON, RYAN Cody	6	386514	OLDS, RYAN John	6	418018	SAUTER, MARK A	6	410526

## Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10240238C	120 mile	10297346	120 mile	10565341	120 mile	10567589C	120 mile
10719774	120 mile	10719786	120 mile	10784080	120 mile	10804579	120 mile
10995027	120 mile						

## Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4-6-09	6	2						
TOTAL								

Total is the sum of each column separately

## Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Job Depth TVD	Water Depth	Perforation Depth (MD)	From	To
				BHST	6330. ft	6330. ft				
						Wk Ht Above Floor	4. ft			

## Job Times

Date	Time	Time Zone
06 - Apr - 2009	12:00	MST
06 - Apr - 2009	15:30	MST
06 - Apr - 2009	18:30	MST
06 - Apr - 2009	20:05	MST
06 - Apr - 2009	21:30	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
Open Hole				7.875							
Production Casing	New		4.5	4.	11.6			1041.	6330.		
Surface Casing			8.625	8.097	24.			0.	6307.		
								0.	1041.		

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

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 4 1/2, HWE, 3.65 MIN/4.14 MA	1	EA		
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	4.5	1	HES
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container	4.5	1	HES
Stage Tool										Centralizers			

**HALLIBURTON****Cementing Job Summary**

Miscellaneous Materials											
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty	
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size	Conc %
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	Dyed Polyflake Spacer		40.00	bbl	8.33	.0	.0	.0			
2	Lead Cement	VARICEM (TM) CEMENT (452009)	330.0	sacks	12.8	1.6	7.31		7.31		
3	Tail Cement	VARICEM (TM) CEMENT (452009)	660.0	sacks	13.2	1.47	6.32		6.32		
4	KCL DISPLACEMENT		97.00	bbl	8.43	.0	.0	.0			
Calculated Values			Pressures			Volumes					
Displacement	97	Shut In: Instant		Lost Returns	No	Cement Slurry	267	Pad			
Top Of Cement		5 Min		Cement Returns	0	Actual Displacement	97	Treatment			
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job			
Rates											
Circulating		Mixing	6	Displacement	10	Avg. Job	7				
Cement Left In Pipe	Amount	48 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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Well Name: SKR	Well #: 698-09-AV-15	API/UWI #:	
Field: PICEANCE	City (SAP):	County/Parish: Garfield	State: Colorado
Legal Description:			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: H&P 318	Rig/Platform Name/Num: H&P 318		
Job Purpose: Cement Production Casing		Ticket Amount:	
Well Type: Development Well	Job Type: Cement Production Casing		
Sales Person: DUNNING, DUSTIN	Srv Supervisor: NELSON, RYAN	MBU ID Emp #: 386514	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	04/06/2009 12:00							Brandon Locklear is safety observer for the day
Arrive At Loc	04/06/2009 15:30							Arrived 2.5 hours early
Pre-Rig Up Safety Meeting	04/06/2009 15:35							All HES personal
Rig-Up Equipment	04/06/2009 15:40							
Pre-Job Safety Meeting	04/06/2009 18:00							All personal on location
Start Job	04/06/2009 18:35							TD-6330' TP-6307' SJ-48' CASING 4 1/2" 11.6 HOLE 7 7/8" MUD 10.2 SURFACE SET @ 1041'
Other	04/06/2009 18:36			1			250.0	Fill Lines
Test Lines	04/06/2009 18:38						4300.0	
Pump Spacer 1	04/06/2009 18:40		6	40			694.0	Fresh Water with Poly Flake
Pump Lead Cement	04/06/2009 18:51		6	94			625.0	330 sks 12.8 ppg 1.6 yield 7.31 gal/sk
Pump Tail Cement	04/06/2009 19:07		6	172.8			425.0	660 sks 13.2 ppg 1.47 yield 6.32 gal/sk
Shutdown	04/06/2009 19:37							
Clean Lines	04/06/2009 19:39							
Drop Top Plug	04/06/2009 19:44							
Pump Displacement	04/06/2009 19:45		10	97			1930.0	Fresh Water with 1.5 bags KCL per 10 bbls
Slow Rate	04/06/2009 19:54		3	85			1467.0	

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Bump Plug	04/06/2009 19:57		3	97			2150. 0	
Check Floats	04/06/2009 20:00							Floats Held
End Job	04/06/2009 20:05							Well circulated prior to job. Good Returns throughout the job. Pipe static throughout the job. Thank you for using Halliburton--Ryan Nelson & Crew

Chevron  
Production

