

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 304535	Ship To #: 2844949	Quote #:	Sales Order #: 8081765
Customer: PDC ENERGY EBUS		Customer Rep: SAILORS, CHAD	
Well Name: State	Well #: 13-4	API/UWI #: 05-123-20930-00	
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld	State: Colorado
Job Purpose: Recement Service			
Well Type: Development Well	Job Type: Recement Service		
Sales Person: FLING, MATTHEW	Srv Supervisor: SIPNEFSKI, ROBERT	MBU ID Emp #: 419391	

Job Personnel									
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	
BARNES, BRIAN L	4	485204	CONGDON, RICHARD S.	4	320306	DILLON, ALAN Davis	4	484871	
HALE, ROBERT E	1	470588	MAHONEY, KELLAN Carl	1	476531	SIPNEFSKI, ROBERT Anthony	5	419391	
SNYDER, JONATHAN Leroy	5	435616							

Equipment									
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way		
10866497C	55 mile	11064535	55 mile	11142999	55 mile		11338223	55 mile	
11410470C	55 mile	11606995	55 mile						

Job Hours					
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
4/4/2011	1	0	4/6/2011	4	1.5
TOTAL					
Total is the sum of each column separately					

Job Times									
Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone			
Formation Depth (MD)				06 - Apr - 2011	03:30	MST			
Form Type	BHST		On Location	06 - Apr - 2011	07:15	MST			
Job depth MD	2769. ft	Job Depth TVD	2769. ft	06 - Apr - 2011	08:29	MST			
Water Depth		Wk Ht Above Floor	4. ft	06 - Apr - 2011	10:39	MST			
Perforation Depth (MD)	From	To	Departed Loc	06 - Apr - 2011	11:45	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				9.				411.	3650.		
Production Casing	Unknown		4.5	4.052	10.5		J-55		6972.		
Surface Casing	Unknown		8.625	8.097	24.		J-55		411.		
TUBING	Unknown		1.25	.671	3.02				2769.		

Tools and Accessories									
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	Conc	Surfactant	Conc	Conc	Acid Type	Qty	Conc	%
Treatment Fld		Conc	Inhibitor		Conc	Sand Type	Size		

Stage/Plug #: 1				Fluid Data							
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	Clay/Fix III Water Spacer		10.00	bbl	8.33	.0	.0	2.0			
2	MUD FLUSH III	MUD FLUSH III - SBM (528788)	12.00	bbl	8.4	.0	.0	2.0			
3	Caly/Fix III Water Spacer		10.00	bbl	8.33	.0	.0	2.0			
2.5 gal/Mgal		CLAYFIX 3, TOTETANK (101583425)									
4	Extendacem 11.3#	EXTENDACEM (TM) SYSTEM (452981)	345.0	sacks	11.3	2.4	13.85	2.0	13.85		
13.85 Gal		FRESH WATER									
Calculated Values		Pressures		Volumes							
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad			
Top Of Cement		5 Min		Cement Returns	8	Actual Displacement		Treatment			
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job			
Rates											
Circulating		Mixing		Displacement		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	ID			
The Information Stated Herein Is Correct				Customer Representative Signature							

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Well Name: State		Well #: 13-4		API/UWI #: 05-123-20930-00			
Field: WATTENBERG	City (SAP): KERSEY	County/Parish: Weld		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:		Rig/Platform Name/Num:		Ticket Amount:			
Job Purpose: Recement Service		Job Type: Recement Service					
Well Type: Development Well		Srv Supervisor: SIPNEFSKI, ROBERT		MBU ID Emp #: 419391			
Sales Person: FLING, MATTHEW							
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl	Pressure psig	Comments	
Arrive at Location from Service Center	04/06/2011 07:15					Customer requested 0700 on location time.	
Assessment Of Location Safety Meeting	04/06/2011 07:20					No site specific hazards noted	
Safety Meeting	04/06/2011 08:15					Held pre-job safety meeting with all third party personell on location. 15 people total.	
Start Job	04/06/2011 08:29						
Test Lines	04/06/2011 08:31				3404.0		
Pump Spacer 1	04/06/2011 08:32	2	10	10	1580.0	H2O Spacer with 2% Clayfix	
Pump Spacer 2	04/06/2011 08:39	2	12	22	1522.0	Mudflush III Spacer mixed with H2O supplied by rig.	
Pump Spacer 1	04/06/2011 08:45	2	10	32	1491.0	H2O Spacer with 2% Clayfix	
Pump Cement	04/06/2011 08:50	2	79	111	1411.0	185 sks @ 11.0 #/gal mixed with H2O supplied by rig.	
Pump Displacement	04/06/2011 09:31	2	1	112	2196.0	H2O Spacer with 2% Clayfix	
Wait on Customer or Customer Sub-Contractor Equip	04/06/2011 09:33					Rig crew pulled 39 joints of tubing	
Pump Cement	04/06/2011 10:04	2	65	177	1450.0	160 sks @ 11.0 #/gal mixed with H2O supplied by rig. Pumped until cement returned to surface, then pumped 8 additional bbls	
Pump Displacement	04/06/2011 10:38	2	1	178	1471.0	H2O Spacer with 2% Clayfix	

Sold To #: 7.20.130

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