



02055518

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 346707		Ship To #: 2927520		Quote #:		Sales Order #: 9522058	
Customer: QUICKSILVER RESOURCES INC-EBUSINESS				Customer Rep:			
Well Name: SIMOES			Well #: 12-30		AP/UWI #: 05081077220000		
Field:		City (SAP): CRAIG		County/Parish: Moffat		State: Colorado	
Contractor: DHS			Rig/Platform Name/Num: DHS 6				
Job Purpose: Cement Surface Casing							
Well Type: Exploratory / Wildcat				Job Type: Cement Surface Casing			
Sales Person: SCOTT, KYLE				Srv Supervisor: FUCHS, BENJAMIN		MBU ID Emp #: 470584	
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
ELDER, DENNIS R	8.0	505202	FUCHS, BENJAMIN Reinhard	8.0	470584	VOORHIS, WALTER T	8.0
WHITE, KAMEREON V	8.0	475856					
Equipment							
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
10265375	80 mile	10948687	80 mile	10991611	80 mile	11024385	80 mile
11338213	80 mile	11360879	80 mile	11512092	80 mile		
Job Hours							
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours
5-18-2012	1.5	.5	5-19-2012	6.5	5.5		
TOTAL		Total is the sum of each column separately					
Job				Job Times			
Formation Name				Date		Time	Time Zone
Formation Depth (MD)	Top	Bottom		Called Out	18 - May - 2012	04:30	MST
Form Type	BHST			On Location	18 - May - 2012	22:30	MST
Job depth MD	1255. ft	Job Depth TVD	1255. ft	Job Started	19 - May - 2012	01:04	MST
Water Depth	Wk Ht Above Floor		4. ft	Job Completed	19 - May - 2012	04:14	MST
Perforation Depth (MD)	From	To		Departed Loc	19 - May - 2012	06:30	MST
Well Data							
Description	New / Used	Max pressure psig	Size in	ID In	Weight lbm/ft	Thread	Grade
Surface Open Hole				12.25			
Surface Casing	Unknown		9.625	8.921	36.		J-55
							1200.
Sales/Rental/3 rd Party (HES)							
Description				Qty	Qty uom	Depth	Supplier
MILEAGE FOR CEMENTING CREW,ZI				160	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON				160	MI		
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA				1	EA		
Tools and Accessories							
Type	Size	Qty	Make	Depth	Type	Size	Qty
Guide Shoe					Packer		
Float Shoe					Bridge Plug		
Float Collar					Retainer		
Insert Float							
Stage Tool							
Miscellaneous Materials							
Gelling Agt		Conc		Surfactant		Conc	
Treatment Fld		Conc		Inhibitor		Conc	
				Acid Type		Qty	
				Sand Type		Size	
						Conc	%
						Qty	

Fluid Data									
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	SUPER FLUSH 101	SUPER FLUSH 101 - SBM (12199)	20.00	bbl	10.	.0	.0	.0	
2	VariCem V1	VARICEM (TM) CEMENT (452009)	200.0	sacks	12.3	2.25	12.67		12.67
	0.125 lbm	POLY-E-FLAKE (101216940)							
	1 lbm	GRANULITE TR 1/4, 50 LB SK (100064073)							
	12.67 Gal	FRESH WATER							
3	VariCem V1	VARICEM (TM) CEMENT (452009)	200.0	sacks	13.5	1.73	8.77		8.77
	0.125 lbm	POLY-E-FLAKE (101216940)							
	1 lbm	GRANULITE TR 1/4, 50 LB SK (100064073)							
	8.77 Gal	FRESH WATER							
4	Displacement		94.00	bbl				.0	
5	HalCem TopOut	HALCEM (TM) SYSTEM (452986)	115.0	sacks	15.8	1.2	5.26		5.26
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	5.26 Gal	FRESH WATER							
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		Avg. Job			
Cement Left In Pipe	Amount	40 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: SIMOES	Well #: 12-30	API/UWI #: 05081077220000	
Field:	City (SAP): CRAIG	County/Parish: Moffat	State: Colorado
Legal Description:			
Lat:		Long:	
Contractor: DHS		Rig/Platform Name/Num: DHS 6	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Exploratory / Wildcat		Job Type: Cement Surface Casing	
Sales Person: SCOTT, KYLE		Srvs Supervisor: FUCHS, BENJAMIN	MBU ID Emp #: 470584

Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	05/18/2012 16:30							
Safety Meeting - Departing Location	05/18/2012 17:45							Discuss all travel related safety issues with crew
Crew Leave Yard	05/18/2012 18:00							
Arrive at Location from Service Center	05/18/2012 22:30							1/2 hour late Pump truck had a flat tire that we had to wait on to be repaired
Safety Meeting - Assessment of Location	05/18/2012 22:45							Identify and discuss all jobsite hazards and equipment layout
Other	05/18/2012 23:00							Spot equipment using spotter(s)
Safety Meeting - Pre Rig-Up	05/18/2012 23:15							Discuss all rig up related safety issues with crew
Rig-Up Equipment	05/18/2012 23:30							
Safety Meeting - Pre Job	05/19/2012 00:45							Discuss all job related safety issues and pump schedule with crew and rig crew
Start Job	05/19/2012 01:04	1						
Pump Water	05/19/2012 01:05	2	2	3	3		40.0	Fill lines for pressure test
Pressure Test	05/19/2012 01:05	3					3498.0	
Pump Water	05/19/2012 01:07	4	4	10	13		70.0	
Pump Spacer	05/19/2012 01:10	5	4	20	33		72.0	Superflush mixed @ 10.0 ppg
Pump Water	05/19/2012 01:15	6	4	10	43		78.0	

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Activity Description	Date/Time	Cht #	Rate bbl/ min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Lead Cement	05/19/2012 01:18	7	6	80	123		139.0	Lead mixed @ 12.3 ppg 2.25 yield 12.67 gal/sk (200 sks)
Pump Tail Cement	05/19/2012 01:27	8	6	61	184		216.0	Tail mixed @ 13.5 ppg 1.73 yield 8.77 gal/sk (200 sks)
Shutdown	05/19/2012 01:44	9					120.0	
Drop Plug	05/19/2012 01:46	10						
Pump Displacement	05/19/2012 01:46	11	8	94	278		157.0	
Cement Returns to Surface	05/19/2012 01:54	12	8					Cement to surface with 59 bbls away
Other	05/19/2012 01:54	13	8					Lost returns with 62 bbls away. Slowed rate to 5 bbls/min at that time
Slow Rate	05/19/2012 01:59	14	4				314.0	
Bump Plug	05/19/2012 02:01	15					245.0	
Check Floats	05/19/2012 02:03	16					916.0	
End Job	05/19/2012 02:05	17						
Wait on Orders - Start Time	05/19/2012 02:10							Company Man is deciding if we will top out or not
Pump Cement	05/19/2012 04:02		2	25	303		260.0	1st Top Out mixed @ 15.8 ppg 1.2 yield 5.26 gal/sk (115 sks)
Cement Returns to Surface	05/19/2012 04:07		2				272.0	Cement to surface with 10 bbls away. 10 bbls = 72' in conductor annulus
Shutdown	05/19/2012 04:14							Observed cement in annulus. It is not falling back
Safety Meeting - Pre Rig-Down	05/19/2012 04:15							Discuss all rig down related safety issues with crew
Rig-Down Equipment	05/19/2012 04:30							
Safety Meeting - Departing Location	05/19/2012 06:15							Discuss all travel related safety issues with crew
Crew Leave Location	05/19/2012 06:30							

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