



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	SUPER FLUSH 101	SUPER FLUSH 101 - SBM (12199)	20.00	bbi	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	bbi				.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					

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	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		Srvc 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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Saturday, May 19, 2012 05:15:00

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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