

HALLIBURTON

Job Summary

Job Information

Job Start Date	6/3/2011 2:10:00 AM
Job MD	914.0 ft
Job TVD	914.0 ft
Height of Plug Container/Swage Above Rig Floor	3.0 ft
Surface Temperature at Time of Job	50 degF
Mud Type	Oil Based
Actual Mud Density	9 lbm/gal
Time Circulated before job	3.00 hour(s)
Mud Volume Circulated	510.00 bbl
Rate at Which Well was Circulated	4.000 bbl/min
Pipe Movement During Hole Circulation	None
Time From End Mud Circ. to Job Start	15.00 minute
Pipe Movement During Cementing	None
Calculated Displacement	140.82 bbl
Amount of Cement Returns	170.00 bbl
Job Displaced by (rig/halco)	Cement Unit HP Pumps
Annular flow Before Job? (Water/Gas)	Unknown
Annular flow After Job? (Water/Gas)	Unknown

Cementing Equipment

Number of Centralizers Used	68
Pipe Centralization	Through Entire Cement Column
Brand of Float Equipment Used	Halliburton
Did Float Equipment Hold?	Yes
Plug set used?	Yes
Brand of Plug set used?	Halliburton
Did Plugs Bump?	Yes
Calculated Pressure to Bump Plugs	1,161.0 psig

HALLIBURTON

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 346707		Ship To #: 346707		Quote #:		Sales Order #: 8221021	
Customer: QUICKSILVER RESOURCES INC-EBUSINESS				Customer Rep: Hord, Ryan			
Well Name: Roundup			Well #: 22-24D		API/UWI #:		
Field:		City (SAP): FORT WORTH		County/Parish: Moffat		State: Colorado	
Legal Description: Section SW 15 Township 7N Range 93W							
Job Purpose: Cement Production Casing							
Well Type: Producing Well				Job Type: Cement Production Casing			
Sales Person: SCOTT, KYLE		Srvc Supervisor: DAVIS, CODY		MBU ID Emp #: 446891			
Job Personnel							
HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs
ANGLIN, JOSHUA B		462343	CARREON, CESAR Martin		362735	DAVIS, CODY R	
PEAY, SHANE Blake		472880	REYNOLDS, COREY W		212159	THOMAS, STEPHEN Troy	
WEYERMAN, JEREMY Todd		477287	WILLIAMS, CAMERON Kent		438405	WILLIAMS, DONALD Wade	
Equipment							
HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>	HES Unit #	<i>Distance-1 way</i>
Job Hours							
Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>	Operating Hours	Date	<i>On Location Hours</i>
TOTAL		<i>Total is the sum of each column separately</i>					
Job				Job Times			
Formation Name				Date	Time	Time Zone	
Formation Depth (MD)	Top	Bottom		Called Out	02 - Jun - 2011	10:00	MST
Form Type	BHST		193 degF	On Location	02 - Jun - 2011	15:30	MST
Job depth MD	914. ft	Job Depth TVD	914. ft	Job Started	03 - Jun - 2011	02:10	MST
Water Depth		Wk Ht Above Floor	3. ft	Job Completed	03 - Jun - 2011	03:50	MST
Perforation Depth (MD)	From	To		Departed Loc	03 - Jun - 2011	06:30	MST
Well Data							
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbf/ft	Thread	Grade
Production Open Hole				6.125			
Intermediate Casing	Unknown		7.	6.366	23.		J-55
Production Casing	Unknown		4.5	4.	11.6		P-110
Sales/Rental/3rd Party (HES)							
Description				Qty	Qty uom	Depth	Supplier
CLR,FLT,4-1/2 LG 8RD,9.5-13.5PPF,P-110				1	EA		
SHOE,FLT,4-1/2 8RD,P-110,2-3/4 SSII				1	EA		
MILEAGE FOR CEMENTING CREW,ZI				160	MI		
ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON				160	MI		

Description					Qty	Qty uom	Depth	Supplier	
PLUG,CMTG, TOP, 4 1/2, HWE, 3.65 MIN/4.14 MA					1	EA			
PLUG,CMTG, BOT, 4 1/2, HWE, 3.65 MIN/4.14 MA					1	EA			
KCL POTASSIUM CHLORIDE					2045	LB			
Tools and Accessories									
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	
Guide Shoe					Packer				
Float Shoe					Bridge Plug				
Float Collar					Retainer				
Insert Float									
Stage Tool									
Miscellaneous Materials									
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%		
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty <td></td> <td></td>			
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	TUNED SPACER III	TUNED SPACER III - SBM (483826)	20.00	bbl	10.	.0	.0	.0	
	38.32 gal/bbl	FRESH WATER							
	0.125 gal/bbl	MUSOL(R) A, BULK (100003696)							
	0.125 gal/bbl	SEM-7, 55 GAL DRUM (100001626)							
	0.125 gal/bbl	D-AIR 3000L, 5 GAL PAIL (101007444)							
	59.8 lbm/bbl	BARITE, BULK (100003681)							
2	ElastiSeal	ELASTISEAL (TM) SYSTEM (450262)	410.0	sacks	14.3	1.22	5.39		5.39
	0.4 %	HR-601, 50 LB BAG (101328348)							
	2 %	FDP-C760-04, TOTE TANK (101439825)							
	5.391 Gal	FRESH WATER							
3	ElastiCem	ELASTICEM (TM) SYSTEM (450261)	50.0	sacks	14.3	1.22	5.39		5.39
	0.4 %	HR-601, 50 LB BAG (101328348)							
	5.391 Gal	FRESH WATER							
4	KCL Displacement		135.00	bbl	8.4			.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		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					