

HALLIBURTON

iCem[®] Service

GREAT WESTERN OIL & GAS LLC

For:

Date: Thursday, February 19, 2015

Detienne FD

Great Western Detienne FD 10-202HN Surface

Job Date: Thursday, February 19, 2015

Sincerely,

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The Road to Excellence Starts with Safety

Sold To #: 346459	Ship To #: 3645125	Quote #:	Sales Order #: 0902154516
Customer: GREAT WESTERN OIL & GAS LLC - eBUS		Customer Rep:	
Well Name: DETIENNE FD	Well #: 10-202HN	API/UWI #: 05-123-41177-00	
Field: WATTENBERG	City (SAP): WINDSOR	County/Parish: WELD	State: COLORADO
Legal Description: NW SW-10-6N-67W-1895FSL-550FWL			
Contractor: CRAIG ENERGY		Rig/Platform Name/Num: CRAIG 4	
Job BOM: 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HB60191		Srv Supervisor: Nathan McBride	
Job			

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type			BHST
Job depth MD	1055ft		Job Depth TVD
Water Depth			Wk Ht Above Floor
Perforation Depth (MD)	From		To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	8.921	36	STC	J-55	0	1044	0	1044
Open Hole Section			13.5				0	1060	0	1060

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	9.625			1044		Top Plug	9.625		HES
Float Shoe	9.625					Bottom Plug	9.625		HES
Float Collar	9.625					SSR plug set	9.625		HES
Insert Float	9.625					Plug Container	9.625		HES
Stage Tool	9.625					Centralizers	9.625		HES

Miscellaneous Materials									
Gelling Agt		Conc		Surfactant		Conc		Acid Type	
Treatment Fld		Conc		Inhibitor		Conc		Sand Type	
								Qty	Conc
								Size	Qty

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Fresh Water Spacer	Fresh Water w/ Dye	10	bbl	8.4			6	

Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
2	SwiftCem B2	SWIFTCM (TM) SYSTEM	455	sack	14.2	1.54		6	7.66

HALLIBURTON***Cementing Job Summary***

7.66 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
3	Displacement	Displacement	78.2	bbl	8.33			6	
Cement Left In Pipe		Amount	45 ft			Reason		Shoe Joint	
Comment 2lbs Red Dye Used in water ahead									

Table of Contents

Real-Time Job Summary

Job Event Log.....

1.0 Real-Time Job Summary

1.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comb Pump Rate (bbl/min)	DH Density (ppg)	PS Pump Press (psi)	Comments
Event	1	Arrive at Location from Service Center	Arrive at Location from Service Center	2/19/2015	04:30:00	USER				Requested on location 0500 Rig getting ready to run casing
Event	2	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	2/19/2015	04:35:00	USER				Discuss hazard hunt and location layout
Event	3	Pre-Rig Up Safety Meeting	Pre Rig Up Safety Meeting	2/19/2015	04:40:00	USER				Discuss fluid sources and rig up layout
Event	4	Rig-Up Equipment	Rig-Up Equipment	2/19/2015	04:45:00	USER				
Event	5	Rig-Up Completed	Rig-Up Completed	2/19/2015	05:30:00	USER				
Event	6	Casing on Bottom	Casing on Bottom	2/19/2015	07:20:00	USER				
Event	7	Circulate Well	Circulate Well	2/19/2015	07:25:00	USER				5bpm 1Hr
Event	8	Pre-Job Safety Meeting	Pre-Job Safety Meeting	2/19/2015	07:48:33	USER	1.00	8.20	-37.00	With Customer and Rig Crew
Event	9	Start Job	Start Job	2/19/2015	08:51:52	COM7	0.00	8.31	112.00	
Event	10	Test Lines	Test Lines	2/19/2015	08:55:08	COM7	0.00	8.73	3723.00	3723
Event	11	Pump Spacer 1	Fresh Water w/ Dye	2/19/2015	08:58:02	COM7	0.00	8.61	-24.00	10bbbls Dyed Fresh Water
Event	12	Pump Cement	Pump Cement	2/19/2015	09:04:59	COM7	1.00	8.66	-23.00	124.8bbbls @ 14.2ppg
Event	13	Drop Plug	Drop Plug	2/19/2015	09:29:07	COM7	0.00	-0.34	-52.00	
Event	14	Pump Displacement	Pump Displacement	2/19/2015	09:29:35	COM7	1.00	-0.26	-54.00	78.2bbbls FW
Event	15	Cement Returns to Surface	Cement Returns to Surface	2/19/2015	09:46:25	USER	5.00	7.88	387.00	70bbbls Displaced 8bbbls to Pit
Event	16	Bump Plug	Bump Plug	2/19/2015	09:50:08	COM7	2.00	7.89	339.00	339psi Final Lift 1074psi was final over

Event	17	Check Floats	Check Floats	2/19/2015	09:52:15	USER	0.00	7.88	48.00	Floats Good half bbl back
Event	18	Comment	Casing Test	2/19/2015	09:55:24	USER	0.00	7.95	2520.00	2524 PSI Start 30 Minutes 2536psi final pressure
Event	19	Comment	End Test	2/19/2015	10:29:16	USER	0.00	7.93	1152.00	Thanks McBride and Crew
Event	20	End Job	End Job	2/19/2015	10:35:29	COM7	1.50	7.92	-28.00	

Custom Results

