

The Road to Excellence Starts with Safety

Sold To #: 375989	Ship To #: 375989	Quote #: 0022471239	Sales Order #: 0905131508
Customer: CONFLUENCE DJ LLC-EBUS		Customer Rep:	
Well Name: MIDDLEPARK		Well #: 18-21-3L	API/UWI #: 05-123-47444-00
Field: WATTENBERG	City (SAP): ROGGEN	County/Parish: WELD	State: COLORADO
Legal Description: SE SW-18-4N-62W-222FSL-1649FWL			
Contractor: XTREME DRLG		Rig/Platform Name/Num: XTREME 24	
Job BOM: 7521 7521			
Well Type: HORIZONTAL OIL			
Sales Person: HALAMERICA\HX38199		Srvc Supervisor: Fernando Luna	

Job

Formation Name			
Formation Depth (MD)	Top		Bottom
Form Type	BHST		
Job depth MD	1560ft		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			0	1549	0	
Open Hole Section			13.5				0	1560		

Tools and Accessories

Type	Size in	Qty	Make	Depth ft	Type	Size in	Qty	Make
Guide Shoe	9.625			1549	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

Fluid Data

Stage/Plug #: 1										
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	
1	Mud Flush III (Powder)	Mud Flush III	40	bbl	8.4			8		
42 gal/bbl		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	
1	Red dye water	Red dye water	10	bbbl	8.4			8		
42 gal/bbl		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	
2	13.5# SwiftCem	SWIFTCEM (TM) SYSTEM	575	sack	13.5	1.74		8	9.2	
9.18 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 fluid		n/a rig displaces	bbbl	8.3			8		
Cement Left In Pipe		Amount	40 ft		Reason			Shoe Joint		
Mix Water:		pH 7	Mix Water Chloride:		<50 ppm		Mix Water Temperature:			64 °F °C
Cement Temperature:		## °F °C	Plug Displaced by:		Obm: rig displaces		Disp. Temperature:			## °F °C
Plug Bumped?		Yes	Bump Pressure:		1155 psi MPa		Floats Held?			Yes/No
Cement Returns:		35 bbl m3	Returns Density:		## lb/gal kg/m3		Returns Temperature:			## °F °C
Comment										

2.0 Real-Time Job Summary

2.1 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 Loc	Arrive At Loc	9/13/2018	08:00:00	USER				HES crew arrives on location, signs in with rig safety captain, conducts hazard hunt, spots equipment, conducts pre-rig up safety meeting, completes jsa, and verify volumes with co-rep
Event	2	Slow Rate	Water Test	9/13/2018	08:01:00	USER				Water test=pH: 7, Cl: <50, temp 64 degrees, Well Fluid density: 8.4 watertemp: approx.. 78, calibrate pressurized mud scales via provided fresh water source @ 8.33ppg
Event	3	Slow Rate	Well Info	9/13/2018	08:02:00	USER				TD: 1560' , TP : 1547' , SJ: 43' , OH: 13 1/2" , Casing: Size/Weight/: 9 5/8" 36#
Event	4	Slow Rate	Job Info	9/13/2018	08:03:00	USER				Spacer: 40bbl fresh water/10bbls red dye water TOS: approx.. surface' Lead Cement: approx.. 178bbls/1001cuft/575sks lead cement @ -/+ 13.5 density/1.74 yield/9.2 waterTOC: approx... surface' , Displacement: 116.2bbls fresh water , CMT left in Pipe: 43' Reason: shoe joint
Event	5	Safety Meeting - Pre Job	Safety Meeting - Pre Job	9/13/2018	10:30:00	USER	0.00	8.49	4.00	Conduct safety meeting with all on location: discuss

										job procedure/contingency plans/hazards involved prior to pumping
Event	6	Pressure Test	Pressure Test	9/13/2018	10:44:50	USER	0.00	8.48	772.00	Low pressure test surface lines @ 771psi
Event	7	Pressure Test	Pressure Test	9/13/2018	10:45:57	USER	0.00	8.52	2914.00	High pressure test surface lines @ 2914
Event	8	Pump Spacer 1	Pump Spacer 1	9/13/2018	10:49:59	USER	2.50	8.41	25.00	Pump 40bbls mud flush III
Event	9	Pump Spacer 2	Pump Spacer 2	9/13/2018	10:55:57	USER	8.00	8.35	77.00	Pump 10bbls red dye water
Event	10	Pump Lead Cement	Pump Lead Cement	9/13/2018	10:57:17	USER	8.00	11.48	149.00	Scale and pump approx. 178bbls/1001cuft/575sks lead cement @ +/- 13.5 density/1.74 yield/9.2 water
Event	11	Shutdown	Shutdown	9/13/2018	11:21:41	USER	0.00	13.13	81.00	
Event	12	Drop Top Plug	Drop Top Plug	9/13/2018	11:22:26	USER	0.00	-1.82	15.00	HES service supervisor drops 3rd party top plug
Event	13	Pump Displacement	Pump Displacement	9/13/2018	11:24:11	USER	8.00	8.16	118.00	Displace 3rd party top plug with approx. 116.2bbls fresh water
Event	14	Cement Returns to Surface	Cement Returns to Surface	9/13/2018	11:35:52	USER	8.30	8.31	478.00	Approx. 15bbls/82cuft/48sks cement returns to surface
Event	15	Slow Rate	Slow Rate	9/13/2018	11:38:43	USER	2.10	8.31	431.00	Slow rate to 2bpm
Event	16	Bump Plug	Bump Plug	9/13/2018	11:41:42	USER	0.00	8.35	994.00	Bump 3rd party top plug @ 994psi
Event	17	Pressure Test	Pressure Test	9/13/2018	11:41:42	USER	0.00	8.35	994.00	Pressure test casing @ 994psi for 3min as per co-rep request
Event	18	Bleed Casing	Bleed Casing	9/13/2018	11:44:16	USER	0.00	8.33	116.00	Bleed off surface lines/casing and verify float collar holds (successful casing test/approx. 1/2bbl fluid returns to

Event	19	Depart Location	Depart Location	9/13/2018	15:00:00	USER	displacement tank) HES crew conducts pre-rig down safety meeting, signs out with rig safety captain and departs location
Event	20	Depart Location	Gratitude	9/13/2018	15:01:00	USER	Thank you for choosing Halliburton Energy Services

3.0 Attachments

3.1 Middlepark 18-5-4L Surface.png

