

The Road to Excellence Starts with Safety

Sold To #: 375989		Ship To #: 3899647		Quote #:		Sales Order #: 0905721994					
Customer: CONFLUENCE DJ LLC-EBUS				Customer Rep: CONFLUENCE REP							
Well Name: 70 RANCH			Well #: 10-14-1L		API/UWI #: 05-123-47593-00						
Field: WATTENBERG		City (SAP): KERSEY		County/Parish: WELD		State: COLORADO					
Legal Description: SW SW-3-4N-63W-260FSL-1261FWL											
Contractor: ENSIGN DRLG				Rig/Platform Name/Num: ENSIGN 140							
Job BOM: 7521 7521											
Well Type: HORIZONTAL OIL											
Sales Person: HALAMERICA\HX38199				Srv Supervisor: Kyle Bath							
Job											
Formation Name											
Formation Depth (MD)		Top		Bottom							
Form Type				BHST							
Job depth MD		1550ft		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	1580	0		
Open Hole Section			13.5				0	1587			
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	9.625			1580		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
2	12.5# SwiftCem	SWIFTCCEM (TM) SYSTEM	170	sack	12.5	2.16		8	12.32
12.32 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	13.5# SwiftCem	SWIFTCCEM (TM) SYSTEM	170	sack	13.5	1.74		8	9.2
9.20 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
4	Displacement fluid	Water	116	bbl	8.3			8	
Cement Left In Pipe		Amount	40 ft		Reason			Shoe Joint	
Mix Water:		pH ##	Mix Water Chloride:## ppm			Mix Water Temperature:## °F °C			
Cement Temperature:		## °F °C	Plug Displaced by:## lb/gal kg/m3 XXXX			Disp. Temperature:## °F °C			
Plug Bumped?		Yes/No	Bump Pressure:#### psi MPa			Floats Held?Yes/No			
Cement Returns:		## 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)	DS Pump Press (psi)	Pump Stg Tot (bbl)	Comments
Event	1	Depart Yard Safety Meeting		5/27/2019	12:15:00						
Event	2	Crew Leave Yard		5/27/2019	12:30:00						
Event	3	Arrive at Location from Service Center		5/27/2019	14:20:00						RIG BROKE DOWN UPON HES ARRIVAL
Event	4	Call Out		5/27/2019	21:30:00						CREW CALLED OUT AT 12:00, CREW CALLED AT 14:00 TO PUSH BACK TIME AS RIG BROKE DOWN, CREW CALLED OUT AT 21:30, REQUESTED ON LOCATION 23:30
Event	5	Assessment Of Location Safety Meeting		5/27/2019	23:00:00						WATER TEST TEMP 60 CHLORIDES 0 PH 6.5
Event	6	Safety Meeting - Pre Rig-Up		5/27/2019	23:10:00						PRE RIG UP SAFETY MEETING AND COMMENCE RIG UP
Event	7	Safety Meeting - Pre Job		5/28/2019	00:01:00						PRE JOB SAFETY MEETING WITH RIG CREW AND CO REP, RIG CIRCULATE 1 BOTTOMS UP, 8 BPM 80 PSI
Event	8	Start Job		5/28/2019	00:28:47						TD 1587, TP 1583.44, SJ 47.64, CSG 9 5/8 36#, PREV CSG 16" @ 80, HOLE 13.5, MUD 8.8
Event	9	Test Lines		5/28/2019	00:31:33						TEST LINES TO 3450 PSI

Event	10	Pump Spacer 2	5/28/2019	00:36:05	4	8.4	100	40	PUMP 40 BBLS MUDFLUSH SPACER 4 BPM 100 PSI
Event	11	Pump Lead Cement	5/28/2019	00:51:55	8	12.5	300	109	MIX AND PUMP 285 SKS 109 BBLS LEAD CEMENT 12.5 PPG, 2.16 FT3/SK, 12.32 GAL/SK 8 BPM 300 PSI, CALCULATED TOLC SURFACE
Event	12	Pump Tail Cement	5/28/2019	01:08:33	8	13.5	300	60	MIX AND PUMP 195 SKS 60 BBLS TAIL CEMENT 13.5 PPG, 1.74 FT3/SK, 9.2 GAL/SK 8 BPM 300 PSI, CALCULATED TOTC 935
Event	13	Shutdown	5/28/2019	01:21:03					
Event	14	Drop Top Plug	5/28/2019	01:23:41					LAUNCH TOP PLUG
Event	15	Pump Displacement	5/28/2019	01:24:36	8	8.4	498	118	PUMP 118 BBLS FRESH WATER DISPLACEMENT 5 BPM 498 PSI, RECIEVED 40 BBLS MUDFLUSH 28 BBLS CEMENT TO SURFACE
Event	16	Slow Rate	5/28/2019	01:39:46					SLOW RATE TO BUMP
Event	17	Bump Plug	5/28/2019	01:44:37					
Event	18	End Job	5/28/2019	01:49:57					
Event	19	Safety Meeting - Pre Rig-Down	5/28/2019	01:55:00					PRE RIG DOWN SAFETY MEETING AND COMMENCE RIG DOWN
Event	20	Depart Location Safety Meeting	5/28/2019	03:00:00					
Event	21	Crew Leave Location	5/28/2019	03:30:00					THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW

3.0 Attachments

3.1 JOB CHART

