

The Road to Excellence Starts with Safety

Sold To #: 375989		Ship To #: 3899604		Quote #:		Sales Order #: 0905721995					
Customer: CONFLUENCE DJ LLC-EBUS						Customer Rep: CONFLUENCE REP					
Well Name: 70 RANCH				Well #: 10-15-3L		API/UWI #: 05-123-47594-00					
Field: WATTENBERG		City (SAP): KERSEY		County/Parish: WELD		State: COLORADO					
Legal Description: SW SW-3-4N-63W-260FSL-1236FWL											
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	1543	0		
Open Hole Section			13.5				0	1550			
Tools and Accessories											
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make		
Guide Shoe	9.625			1543		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 ft ³ /sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal
1	Mud Flush III (Powder)	Mud Flush III			40	bbl	8.4			8	

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	SWIFTCEN (TM) SYSTEM	285	sack	12.5	2.16		8	12.32
3	13.5# SwiftCem	SWIFTCEN (TM) SYSTEM	185	sack	13.5	1.74		8	9.2
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)	Comments
Event	1	Depart Yard Safety Meeting	Depart Yard Safety Meeting	5/28/2019	11:45:00	USER				
Event	2	Crew Leave Yard	Crew Leave Yard	5/28/2019	12:00:00	USER				
Event	3	Call Out	Call Out	5/28/2019	17:30:00	USER				REQUESTED ON LOCATION AT 23:30
Event	4	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	5/28/2019	19:30:00	USER				PRE RIG UP SAFETY MEETING AND COMMENCE RIG UP
Event	5	Arrive at Location from Service Center	Arrive at Location from Service Center	5/28/2019	21:20:00	USER				RIG PULLING DP UPON HES ARRIVAL
Event	6	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	5/28/2019	21:30:00	USER				WATER TEST TEMP 60 CHLORIDES 0 PH 6.5
Event	7	Safety Meeting - Pre Job	Safety Meeting - Pre Job	5/29/2019	03:30:00	USER	0.00	8.40	-3.00	PRE JOB SAFETY MEETING WITH RIG CREW AND CO REP, RIG CIRCULATE BOTTOMS UP, 8 BPM 70 PSI
Event	8	Start Job	Start Job	5/29/2019	03:48:36	COM6	0.00	8.46	-8.00	TD 1550, TP 1546.84, SJ 47.64, CSG 9 5/8 36#, PREV CSG 16" @ 80', HOLE 13.5, MUD 9
Event	9	Test Lines	Test Lines	5/29/2019	03:56:28	USER	0.00	8.56	1151.00	TEST LINES TO 3300 PSI
Event	10	Pump Lead Cement	Pump Lead Cement	5/29/2019	04:14:29	COM6	4.40	8.42	76.00	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	11	Pump Tail Cement	Pump Tail Cement	5/29/2019	04:31:03	COM6	6.80	13.28	181.00	MIX AND PUMP 195 SKS 60 BBLS TAIL CEMENT 13.5 PPG, 1.74 FT3/SK, 9.2 GAL/SK 8 BPM 400 PSI, CALCULATED TOTC 895
Event	12	Shutdown	Shutdown	5/29/2019	04:41:46	COM6	0.00	20.00	7.00	
Event	13	Drop Plug	Drop Plug	5/29/2019	04:43:06	COM6	0.00	20.19	-3.00	LAUNCH TOP PLUG

Event	14	Pump Displacement	Pump Displacement	5/29/2019	04:43:19	COM6	0.00	20.19	-3.00	PUMP 116 BBLS FRESH WATER DISPLACEMENT 8 BPM 498 PSI, RECIEVED 40 BBLS MUDFLUSH 36 BBLS CEMENT TO SURFACE
Event	15	Other	Other	5/29/2019	04:52:46	USER	6.70	8.25	277.00	SLOW AS LINE TO OVERBOERD CEMENT WAS NOT READY
Event	16	Bump Plug	Bump Plug	5/29/2019	05:03:03	COM6	0.00	8.28	843.00	BUMP PLUG AT 430 PSI TOOK TO 880 PSI
Event	17	Check Floats	Check Floats	5/29/2019	05:07:27	USER	0.00	8.27	885.00	CHECK FLOATS, FLOATS HELD TOOK .5 BBLS BACK
Event	18	End Job	End Job	5/29/2019	05:08:02	COM6	0.00	8.24	8.00	
Event	19	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig-Down	5/29/2019	05:12:00	USER	0.00	8.23	-2.00	PRE RIG DOWN SAFETY MEETING AND COMMENCE RIG DOWN
Event	20	Depart Location Safety Meeting	Depart Location Safety Meeting	5/29/2019	06:30:00	USER				
Event	21	Crew Leave Location	Crew Leave Location	5/29/2019	07:00:00	USER				THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW

3.0 Attachments

3.1 70 Ranch West 10-15-3L Surface – Job Chart

