

The Road to Excellence Starts with Safety

Sold To #: 375989		Ship To #: 3899603		Quote #: 0022574402		Sales Order #: 0905712786				
Customer: CONFLUENCE DJ LLC-EBUS					Customer Rep: CONFLUENCE REP					
Well Name: 70 RANCH			Well #: 10-13-2L			API/UWI #: 05-123-47591-00				
Field: WATTENBERG		City (SAP): KERSEY		County/Parish: WELD			State: COLORADO			
Legal Description: SE SW-3-4N-63W-260FSL-1311FWL										
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	1537	0	
Open Hole Section			13.5				0	1545		
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	9.625			1537		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	SWIFTCEM (TM) SYSTEM	310	sack	12.5	2.16		5	12.32	
12.31 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	SWIFTCEM (TM) SYSTEM	195	sack	13.5	1.74		5	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	
4	Displacement fluid		0	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 <i>(bbl/min)</i>	DH Density <i>(ppg)</i>	DS Pump Press <i>(psi)</i>	Pump Stg Tot <i>(bbl)</i>	Comments
Event	1	Slow Rate	Call Out	5/25/2019	06:00:00	USER					REQUESTED ON LOCATION AT 12:00
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	5/25/2019	07:45:00	USER					
Event	3	Crew Leave Yard	Crew Leave Yard	5/25/2019	08:00:00	USER					
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	5/25/2019	09:45:00	USER					RIG PULLING DP UPON HES ARRIVAL
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	5/25/2019	11:00:00	USER					WATER TEST TEMP 60 CHLORIDES 500 PH 6.5
Event	6	Safety Meeting - Pre Rig-Up	Safety Meeting - Pre Rig-Up	5/25/2019	11:10:00	USER					PRE RIG UP SAFETY MEETING AND COMMENCE RIG UP
Event	7	Safety Meeting - Pre Job	Safety Meeting - Pre Job	5/25/2019	15:00:00	USER	0.00	8.16	4.00	0.00	PRE JOB SAFETY MEETING WITH RIG CREW AND CO REP, RIG CIRCULATE BOTTOMS UP, 8 BPM 120 PSI
Event	8	Start Job	Start Job	5/25/2019	15:21:05	COM6	0.00	8.00	-1.00	0.00	TD 1545, TP 1540.83, SJ 47.65, CSG 9 5/8 36#, PREV CSG 16" @ 80, HOLE 13.5, MUD 9.2
Event	9	Test Lines	Test Lines	5/25/2019	15:22:47	COM6	0.00	8.35	3.00	2.10	TEST LINES TO 3250 PSI
Event	10	Pump Spacer 1	Pump Spacer 1	5/25/2019	15:30:00	COM6	0.00	8.53	6.00	2.10	PUMP 40 BBLs MUDFLUSH SPACER 5 BPM 90 PSI
Event	11	Pump Lead Cement	Pump Lead Cement	5/25/2019	15:40:50	COM6	5.00	8.30	97.00	36.70	MIX AND PUMP 310 SKS 119 BBLs LEAD CEMENT

											12.5 PPG, 2.16 FT3/SK, 12.32 GAL/SK 5 BPM 160 PSI, CALCULATED TOLC SURFACE
Event	12	Other	Other	5/25/2019	15:51:45	USER	3.20	11.40	80.00	60.00	HAVING ISSUES WITH WATER KNIFE NOT PULLING ENOUGH WATER
Event	13	Pump Tail Cement	Pump Tail Cement	5/25/2019	16:09:24	COM6	5.10	12.46	97.00	0.00	MIX AND PUMP 195 SKS 60 BBLs TAIL CEMENT 13.5 PPG, 1.74 FT3/SK, 9.2 GAL/SK 5 BPM 180 PSI, CALCULATED TOTC 889
Event	14	Shutdown	Shutdown	5/25/2019	16:22:40	USER	5.10	13.59	175.00	67.60	
Event	15	Pump Displacement	Pump Displacement	5/25/2019	16:24:49	COM6	0.00	16.76	12.00	0.00	PUMP 115 BBLs FRESH WATER DISPLACEMENT 8 BPM 400 PSI, RECIEVED 40 BBLs MUDFLUSH AND 45 BBLs CEMENT TO SURFACE
Event	16	Slow Rate	Slow Rate	5/25/2019	16:36:50	USER	4.00	8.34	388.00	87.30	SLOW RATE TO BUMP
Event	17	Bump Plug	Bump Plug	5/25/2019	16:43:08	USER	4.00	8.37	433.00	112.30	BUMP PLUG AT 450 PSI TOOK TO 800 PSI
Event	18	Check Floats	Check Floats	5/25/2019	16:47:39	USER	0.00	8.41	815.00	113.00	FLOATS HELD TOOK .5 BBLs BACK TO TRUCK
Event	19	End Job	End Job	5/25/2019	16:48:26	COM6	0.00	8.41	4.00	0.00	
Event	20	Safety Meeting - Pre Rig-Down	Safety Meeting - Pre Rig- Down	5/25/2019	23:00:00	USER					PRE RIG DOWN SAFETY MEETING AND COMMENCE RIG DOWN
Event	21	Depart Location Safety Meeting	Depart Location Safety Meeting	5/25/2019	23:01:00	USER					
Event	22	Crew Leave Location	Crew Leave Location	5/25/2019	23:02:00	USER					THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW

3.0 Attachments

3.1 Confluence 70 Ranch 10-13-2L Surface Chart



