

The Road to Excellence Starts with Safety

Sold To #: 375989	Ship To #: 3987786	Primary Sales Order #: 0905967089
Customer: CONFLUENCE DJ LLC-EBUS	Job Purpose: 7523 CMT PRODUCTION CASING BOM	
Well Name: JUDY	Well #: 3-4	API/UWI #: 05-123-50294-00
Field: WATTENBERG	City: HUDSON	County/Parish: WELD
Legal Description:		State/Prov: COLORADO
Rig Name & Number / Phone Number: ENSIGN 122 /		Location: LAND
myCem id#: 464212	Job Criticality Status: GREEN	

Contacts

Type	Name	Email	Phone
Account Rep	Theodore Groff	Ted.Groff@Halliburton.com	+13036554785
Service Coordinator	Larry Lavalley	Larry.Lavalley@Halliburton.com	+17203838168

PPE, Safety Huddles, JSA's, HOC & Near Miss Reporting, BBP Observations

Distance/Mileage(1 way) Srvc:	11 mile	Distance/Mileage(1 way) Mtls:	11 mile
		Rqstd Job Start Date/Time:	09/08/2019

HSE Information

H2S Present:	Unknown	CO2 Present:	Unknown
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Drive Safely. Lights On for Safety. Wear Seat Belts. Observe all HES / Customer Safety Policies.

Directions:

CR 8 EAST TO CR 45 SOUTH TO WCR 2 EAST 0.9 MILES AND NORTH INTO LOCATION.

Instruction

4 1/2" DSQL and Manifold
 41/2" BTC Swage

General Equipment

3rd Party / Inventory Items

SAP Number	Description	Quantity	UoM	Pricing Enabled
100003781	CHEM, MICRO MATRIX RETARDER, 5 GAL	15	GAL	No
101382962	Chem-BE-3S, 50 lb	3	LB	No
101985045	CHEM, CLA-WEB - TOTE	10	GAL	No
101007444	CHEM, D-AIR 3000L, 5 GAL PAIL	10	GAL	No
100008028	CHEM, SUGAR, GRANULATED, 50LB BAG	100	LB	No

Job Info / Well Data

Job Depth (MD) ft	Job Depth (TVD) ft	Well Fluid Type	Well Fluid Weight lbm/gal	Displacement Fluid	Displ Fluid Weight lbm/gal
7750			9.4	Displacement	8.34
BHST degF	BHCT degF	Log Temp degF		Time Since Circ Stopped HH:MM:SS	

Job Tubulars/Tools

Description	Size	Weight	ID	Thread	Grade	Top MD	Btm MD	Top TVD	Btm TVD	Shoe Jnt	% Excess
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	in	lbm/ft	in		ft	ft	ft	ft	ft	
8-5/8" Surface	8.625	24	8.097		0	1546				
12 1/4" OPEN HOLE			12.25		0	1555				
7-7/8" OPEN HOLE			7.875		1555	7730				10
4-1/2" Casing	4.5	11.6	4		0	7720			34	

Mud conditioning plan

The condition of the drilling fluid is one of the most important variables in achieving a cement barrier. Prior to cementing, circulate the mud at the planned highest displacement rate for the cement job for at least 2 bottoms-up until the well is clean, mud is free of gas and pump pressures have stabilized.

Materials

Stage/Plug #: 1

Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft3/sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time
1	FDP-C1337-18		100	bbl	12	3.12	19.6			
180.10 lbm/bbl		Barite Pre-Mix Dry								
1 lbm/bbl		FE-2, 2000 LB BAG Pre-Mix Dry								
0.10 gal/bbl		D-AIR 3000L Mix-On-Fly to Slurry								
Fluid Loss										
iFacts Test id #										

Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft3/sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time hr
2	ElastiCem	ELASTICEM (TM) SYSTEM	775	sack	14.4	1.7	7.27	8	7.32	
0.45 %		HR-5 Pre-Mix Dry								
7.32 Gal		FRESH WATER Mix-On-Fly to Slurry								
iFacts Test id #		2582574								

Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft3/sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time
3	MMCR Displacement		30	bbl	8.34					
0.50 gal/bbl		Micro Matrix Retarder Mix-On-Fly to Slurry								
Fluid Loss										
iFacts Test id #										

Fluid #	Fluid Name	Package/SBM/Material Name	Rqstd Del Qty	UOM	Density lbm/gal	Yield ft3/sack	Water Req Gal/sack	Rate bbl/min	Total Mix Fluid Gal/sack	Surface Batch Mixing Time
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iCem® Service

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4	Displacement		228.7	bbl	8.34					
0.30 lbm/bbl		BE-3S Pre-Mix Dry								
0.02 gal/bbl		CLA-Web Mix-On-Fly to Slurry								
Fluid Loss										
iFacts Test id #										
Caution: Displacement quantities and densities are estimates ONLY! Do not use them for the actual job.										
Packaged Materials										
SAP #		Material		Qty		UOM		Comments		
101007444		D-AIR 3000L		10		Gal				
		FRESH WATER		5671.9		Gal				
100003781		Micro Matrix Retarder		15		Gal				
101985045		CLA-Web		4.57		Gal				
Casing Equipment										

2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Comb Pump Rate (bbl/min)	DS Pump Press (psi)	DH Density (ppg)	Pump Stg Tot (bbl)	Comments
Event	1	Check Floats	9/12/2019	18:30:00					CREW CALLED OUT, REQUESTED ON LOCATION AT 23:30
Event	2	Depart Yard Safety Meeting	9/12/2019	21:35:00					DISCUSS ROUTE AND HAZARDS
Event	3	Crew Leave Yard	9/12/2019	21:50:00					CREW DEPART YARD
Event	4	Arrive at Location from Service Center	9/12/2019	22:15:00					ARRIVE ON LOCATION, RIG RUNNING CASING UPON HES ARRIVAL, RECIEVED NUMBERS FROM THE CO REP TD 7730, TP 7723, SJ 23, CSG 4.5 11.6#, PREV CSG 8 5/8 @ 1546, HOLE 7 7/8, MUD 9.8, TVD 7602
Event	5	Assessment Of Location Safety Meeting	9/12/2019	22:30:00					DISCUSS LOCATION HAZARDS AND HOW TO MITIGATE THEM, WATER TEST TEMP 65, PH 7, CHLORIDES 0
Event	6	Safety Meeting - Pre Rig-Up	9/13/2019	00:30:00					DISCUSS HAZARDS AND WAYS TO MITIGATE THEM
Event	7	Safety Meeting - Pre Job	9/13/2019	01:40:00					PRE JOB SAFETY MEETING WITH RIG CREW AND CO REP
Event	8	Start Job	9/13/2019	02:08:01					START RECORDING DATA
Event	9	Test Lines	9/13/2019	02:11:20					PUMP 100 BBLS TUNED SPACER 12 PPG 8 BPM 400

					PSI, CALCULATED TOS SURFACE
Event	10	Pump Spacer 1	9/13/2019	02:21:44	
Event	11	Check Weight	9/13/2019	02:23:54	
Event	12	Pump Lead Cement	9/13/2019	02:36:11	MIX AND PUMP 775 SKS 234 BBLS LEAD CEMENT 14.4 PPG, 1.7 FT3/SK, 7.27 GAL/SK 8 BPM 380 PSI, CALCULATED TOLC 1944
Event	13	Check Weight	9/13/2019	02:38:18	
Event	14	Drop Top Plug	9/13/2019	03:29:58	LAUNCH TOP PLUG
Event	15	Pump Displacement	9/13/2019	03:30:03	PUMP 120 BBLS FRESH WATER DISPLACEMENT 8 BPM 2400 PSI, MMCR IN FIRST 30 BBLS BE3 AND CLAYWEB THROUGHOUT, RECIEVED 8 BBLS TUNED SPACER TO SURFACE
Event	16	Bump Plug	9/13/2019	03:50:10	BUMP PLUG AT 2400 PSI TOOK TO 3360 PSI
Event	17	Check Floats	9/13/2019	03:54:51	FLOATS HELD TOOK 1.5 BBLS BACK TO TRUCK
Event	18	End Job	9/13/2019	03:55:45	STOP RECORDING DATA
Event	19	Safety Meeting - Pre Rig-Down	9/13/2019	04:00:00	DISCUSS HAZARDS AND WAYS TO MITIGATE THEM
Event	20	Depart Location Safety Meeting	9/13/2019	05:30:00	DISCUSS HAZARDS AND ROUTE
Event	21	Crew Leave Location	9/13/2019	06:00:00	THANK YOU FOR USING HALLIBURTON, KYLE BATH AND CREW

3.0 Attachments

3.1 JOB CHART.png

