

# HALLIBURTON

iCem<sup>®</sup> Service

## **EXTRACTION OIL & GAS-EBUS**

Date: Tuesday, January 09, 2018

### **Jesser 3E-10-15N Production**

Job Date: Saturday, January 06, 2018

Sincerely,

**Justin Lansdale**

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## 1.0 Cementing Job Summary

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### 1.1 Executive Summary

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Halliburton appreciates the opportunity to perform the cementing services on the **Jesser 3E-10-15N** cement **Production** casing job. A pre-job safety meeting was held before the job where details of the job were discussed, potential safety hazards were reviewed, and environmental compliance procedures were outlined.

Halliburton maintains a continuous quality improvement process and appreciates any comments or suggestions that you may have. Halliburton again thanks you for the opportunity to perform service work on this well. We hope to be your solutions provider for future projects.

Respectfully,

**Halliburton [Fort Lupton]**

The Road to Excellence Starts with Safety

Sold To #: 369404		Ship To #: 3830579		Quote #:		Sales Order #: 0904551824				
Customer: EXTRACTION OIL & GAS				Customer Rep: Kalyn Holgate						
Well Name: JESSER			Well #: 3E-10-15N		API/UWI #: 05-123-45669-00					
Field: WATTENBERG		City (SAP): BERTHOUD		County/Parish: WELD		State: COLORADO				
Legal Description: NW SW-3-4N-68W-2314FSL-636FWL										
Contractor:				Rig/Platform Name/Num: Patterson 901						
Job BOM: 7523 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HX38199				Srv Supervisor: Kendall Broom - H194727						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		11889ft		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	0	9.625	8.921	36		J-55	0	1600	0	1600
Casing	0	5.5	4.778	20		P-110	0	11889		6960
Open Hole Section			8.5				1600	11900	1600	6960
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	5.5					Top Plug	5.5		HES	
Float Shoe	5.5			11889		Bottom Plug	5.5		HES	
Float Collar	5.5					SSR plug set	5.5		HES	
Insert Float	5.5					Plug Container	5.5	1	HES	
Stage Tool	5.5					Centralizers	5.5		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	11.5 lb/gal Tuned Spacer III	Tuned Spacer III		50	bbl	11.5	3.73		6	
149.34 lbm/bbl		BARITE, BULK (100003681)								
35 gal/bbl		FRESH WATER								
0.50 gal/bbl		MUSOL A, 330 GAL TOTE - (790828)								
0.50 gal/bbl		DUAL SPACER SURFACTANT B, 5 GAL PAIL (100003665)								

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	ElastiCem	ELASTICEM (TM) SYSTEM	2000	sack	13.2	1.57		8	7.53
0.45 %		SCR-100 (100003749)							
7.53 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	Displacement	263	bbl	8.34			10	
Cement Left In Pipe	Amount	0	Reason				Wet shoe		
Comment 62 bbl cement back to surface.									

## 2.0 Real-Time Job Summary

## 2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Comments
Event	1	Call Out	Call Out	1/6/2018	12:00:00	USER	Called crew out to be on location at 1900
Event	2	Depart Shop for Location	Depart Shop for Location	1/6/2018	16:30:00	USER	Held a safety huddle before leaving for location
Event	3	Arrive At Loc	Arrive At Loc	1/6/2018	17:30:00	USER	Arrived on location and had a hazard hunt. met with the tool hand to verify numbers
Event	4	Rig-up Lines	Rig-up Lines	1/6/2018	17:45:00	USER	Spotted in the trucks and rigged up the lines
Event	5	Safety Meeting	Safety Meeting	1/6/2018	20:45:00	USER	Held a safety meeting with the rig crew to discuss the operation and safety
Event	6	Start Job	Start Job	1/6/2018	21:09:43	COM5	Filled lines with 4 bbls water
Event	7	Test Lines	Test Lines	1/6/2018	21:11:47	COM5	Test lines 500 psi k/o function, 5th gear stall out, then 5000 psi
Event	8	Pump Spacer 1	Pump Spacer 1	1/6/2018	21:18:58	COM5	Pumped 50 bbls Tuned Spacer, 11.5#, 3.73 yield, 23.4 gal/sks with 25 gal Musol, 25 gal Dual Spacer and 10 gal D-Air
Event	9	Pump Cement	Pump Cement	1/6/2018	21:27:48	COM5	Pumped 2000 sks Elasticem, 559.23 bbls, 13.2#, 1.57 yield, 7.53 gal/sks. Pumped at 8 bpm, 590 psi.
Event	10	Check Weight	Check weight	1/6/2018	21:28:08	COM5	Verified weight with pressurized scales. 13.2#.
Event	11	Check Weight	Check weight	1/6/2018	21:49:11	COM5	Verified weight with pressurized scales 13.2#
Event	12	Check Weight	Check weight	1/6/2018	22:09:14	COM5	Verified weight with pressurized scales 13.2#
Event	13	Check Weight	Check weight	1/6/2018	22:32:47	COM5	Verified weight with pressurized scales 13.2 #
Event	14	Shutdown	Shutdown	1/6/2018	22:44:45	COM5	

Event	15	Drop Top Plug	Drop Top Plug	1/6/2018	22:46:39	COM5	Dropped plug by KLX tool hand. Witnessed by the company man
Event	16	Pump Displacement	Pump Displacement	1/6/2018	22:46:43	COM5	Pumped 263 bbls water displacement. 9 bpm 3000 psi. Slowed to 5 bpm last 20 bbls. Got 62 bbls of cement back to surface.
Event	17	Bump Plug	Bump Plug	1/6/2018	23:17:34	COM5	Bumped plug at 2980psi.
Event	18	Pressure Up	Pressure Up	1/6/2018	23:18:35	USER	Pressured up 2 bpm and burst at 3890 psi. Pumped an additional 5 bbls for a wet shoe. Released pressure and checked floats.
Event	19	Other	Other	1/6/2018	23:26:30	COM5	Floats did not hold, pumped 2 bbls back into it. rechecked and the floats held. Got 2 bbls back on the truck
Event	20	End Job	End Job	1/6/2018	23:30:21	COM5	
Event	21	Rig Down Lines	Rig Down Lines	1/6/2018	23:45:00	USER	Held a safety meeting before rigging down
Event	22	Depart Location	Depart Location	1/7/2018	01:00:00	USER	Held a safety huddle before leaving location



3.0 Attachments

3.1 Job Chart



