

HALLIBURTON

iCem[®] Service

SRC ENERGY RESOURCES CORPORATION

Troudt 2N-29B-L Production

Sincerely,
Meghan Jacobs

Legal Notice

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Troudt 2N-29B-L** 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.

Approximately 16bbbls of cement returned to surface.

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 [Ft. Lupton]

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Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 359915	Ship To #: 3853221	Quote #:	Sales Order #: 0904937069							
Customer: SRC ENERGY INC-EBUS		Customer Rep: Kevin Brakovec								
Well Name: TROUDT	Well #: 2N-29B-L	API/UWI #: 05-123-46293-00								
Field: WATTENBERG	City (SAP): LUCERNE	County/Parish: WELD	State: COLORADO							
Legal Description: SE NW-27-6N-66W-2122FNL-1689FWL										
Contractor: Precision		Rig/Platform Name/Num: Precision 562								
Job BOM: 7523 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HB41307		Srv Supervisor: Luke Kosakewich								
Job										
Formation Name										
Formation Depth (MD)	Top	Bottom								
Form Type	BHST									
Job depth MD	16480ft	Job Depth TVD	6916ft							
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	LTC	J-55	0	1826		1826
Casing	0	5.5	4.778	20	BTC	P-110	0	16465	0	6916
Open Hole Section			8.5				1826	16480	1826	6916
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe						Top Plug	5.5	1	Weatherford	
Float Shoe	5.5			16465		Bottom Plug	5.5	1	Weatherford	
Wet Shoe Sub	5.5			16356		SSR plug set				
Insert Float						Plug Container	5.5	1	HES	
Stage Tool						Centralizers				
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	Tuned Spacer III	Tuned Spacer III	40	bbl	11.5	3.8		5		
Stage/Plug #: 2										
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 LEAD	ELASTICEM (TM) SYSTEM	1011	sack	13.2	1.57		8	7.54	

last updated on 6/27/2018 9:42:08 AM

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Cementing Job Summary

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	NeoCem	NeoCem TM	1157	sack	13.2	2.04		8	9.77	
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	Water	Water	362.7	bbl	8.33			10		
Cement Left In Pipe		Amount	0 Ft		Reason			Wet Shoe		
Mix Water:		pH 7	Mix Water Chloride:		0 ppm		Mix Water Temperature:			72 °F
Comment There were full returns throughout the job. We bumped the plug 500 psi. over 2,400 psi. at 3 bpm. Finale pressure was 2,900 psi. Held pressure for a minute. Pressure held. We pressured up to 5406 ps to shift the sleeve. Pumped a 6 bbl wet shoe. Checked Floats., Floats held. We Circulated 40 bbls. of Tuned Spacer III and 16 bbls. of cement to surface. Estimated TOT is 6221'..										

2.0 Real-Time Job Summary

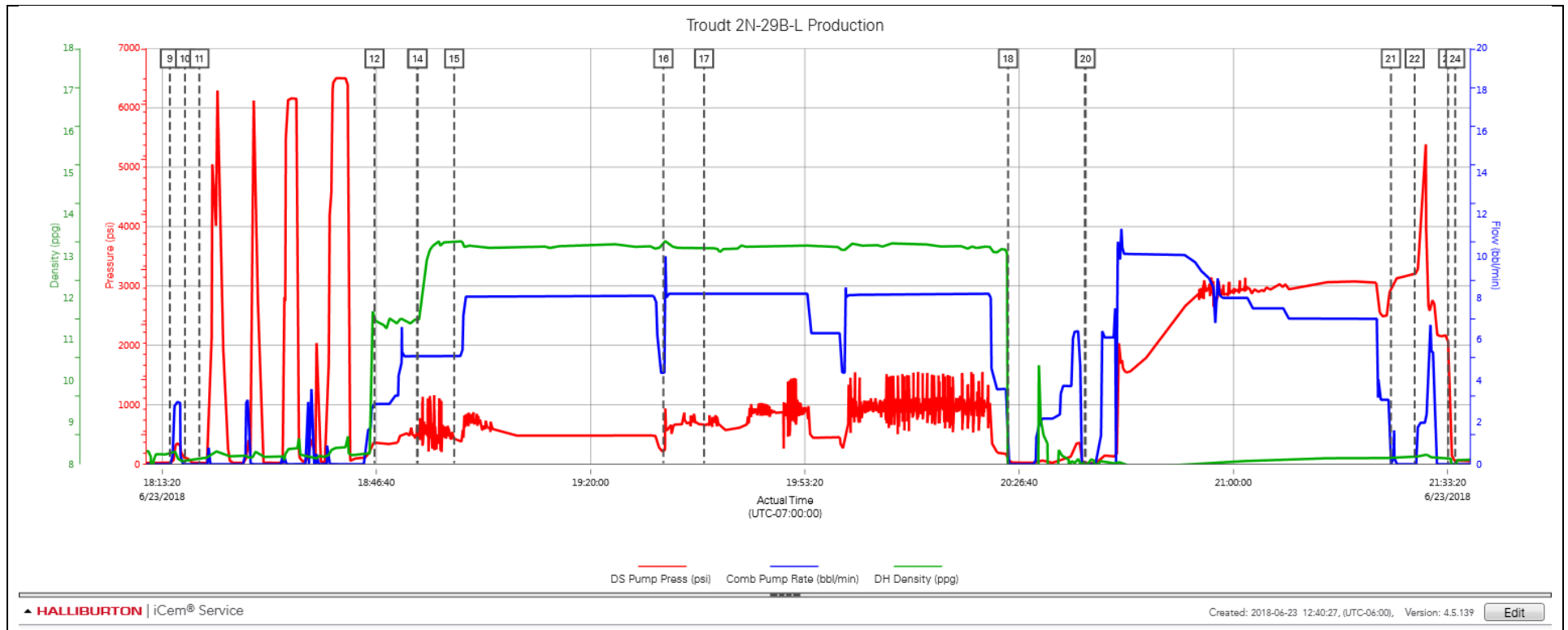
2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	DS Pump Press (psi)	Comb Pump Rate (bbl/min)	DH Density (ppg)	Comments
Event	1	Call Out	Call Out	6/23/2018	08:00:00	USER				Crew was called out at 08:00 for an on location time of 15:00.
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	6/23/2018	13:15:00	USER				Crew held a pre journey safety meeting and JSA.
Event	3	Depart Shop for Location	Depart Shop for Location	6/23/2018	13:20:00	USER				Started journey management with dispatch and left location.
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	6/23/2018	14:20:00	USER				Crew performed a site assessment, safety meeting and hazard hunt on location. Checked in with the customer and discussed the job procedures, rig up and well bore schematics. The rig was running casing.
Event	5	Other	Other	6/23/2018	14:25:00	USER				
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	6/23/2018	14:30:00	USER				The crew held a pre rig up safety meeting and JSA.
Event	7	Rig-Up Equipment	Rig-Up Equipment	6/23/2018	14:40:00	USER				The crew rigged up all lines, hoses and equipment for the job.
Event	8	Safety Meeting	Safety Meeting	6/23/2018	18:00:00	USER	20.00	0.00	8.31	Halliburton cement crew held a pre cement job safety meeting and JSA with third party personnel and rig crew.
Event	9	Start Job	Start Job	6/23/2018	18:14:33	COM5	27.00	0.00	8.26	Pumped 3 bbls. of fresh water at 3 bpm. to fill lines and establish circulation.
Event	10	Test Lines	Test Lines	6/23/2018	18:16:54	COM5	105.00	0.00	8.09	Pressure tested lines to 6300 psi
Event	11	Test Lines	Test Lines	6/23/2018	18:19:08	COM5	21.00	0.00	8.14	Retested lines and trouble shot leak. W found and isolated the leak.
Event	12	Pump Spacer 1	Pump Spacer 1	6/23/2018	18:46:23	COM5	387.00	2.90	11.43	Pumped 40 bbls. of Tuned Spacer III with surfactants mixed at 11.5 ppg., Yield: 3.8 ft3/sks, 23.8 gal/sks. Density was verified by pressurized scales.

Event	13	Drop Bottom Plug	Drop Bottom Plug	6/23/2018	18:53:02	COM5	518.00	5.20	11.47	I dropped the bottom plug, which was witnessed by the customer.
Event	14	Pump Lead Cement	Pump Lead Cement	6/23/2018	18:53:05	COM5	570.00	5.20	11.45	Pumped 283 bbls. (1011 sks.) of Elasticem mixed at 13.2 ppg., Yield: 1.57 ft3/sks, 7.54 gal/sks. Density was verified by pressurized scales.
Event	15	Check Weight	Check weight	6/23/2018	18:58:47	COM5	409.00	5.20	13.35	Cement weighed up at 13.2 ppg
Event	16	Pump Tail Cement	Pump Tail Cement	6/23/2018	19:31:20	COM5	218.00	4.40	13.40	Pumped 421 bbls. (1157 sks.) of Neocem mixed at 13.2 ppg. Yield: 2.04 ft3/sks, 9.77 gal/sks. Density was verified by pressurized scales.
Event	17	Check Weight	Check weight	6/23/2018	19:37:40	COM5	679.00	8.20	13.20	Cement weighed up at 13.2 ppg
Event	18	Shutdown	Shutdown	6/23/2018	20:24:57	COM5	85.00	0.00	4.64	Shutdown and washed pumps and lines until clean.
Event	19	Drop Top Plug	Drop Top Plug	6/23/2018	20:36:53	COM5	20.00	0.00	8.02	Dropped top plug
Event	20	Pump Displacement	Pump Displacement	6/23/2018	20:37:01	COM5	19.00	0.00	7.99	Pumped 358.2 bbls. of fresh water with MMCR in the first 30 bbls. and last 70 bbls. BE3 biocide and Clayweb was added throughout the rest of displacement.
Event	21	Bump Plug	Bump Plug	6/23/2018	21:24:31	COM5	2966.00	0.00	8.16	B
Event	22	Other	Other	6/23/2018	21:28:12	COM5	3204.00	0.00	8.18	Pressured up the well to 5406 psi to shift the sleeve. Then pumped 6 bbls of fresh water at 5 bpm for 6 bbl wet shoe.
Event	23	Check Floats	Check Floats	6/23/2018	21:33:25	USER	2031.00	0.00	8.14	Checked floats; floats held 3 bbls back to truck
Event	24	End Job	End Job	6/23/2018	21:34:31	COM5				Wash and blew down all lines till clean and dry.
Event	25	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	6/23/2018	21:40:00	USER				Halliburton cement crew held a pre rig down safety meeting and JSA.
Event	26	Rig-Down Equipment	Rig-Down Equipment	6/23/2018	21:45:00	USER				Rigged down all lines, hoses and equipment.
Event	27	Depart Location Safety Meeting	Depart Location Safety Meeting	6/23/2018	23:45:00	USER				Held a pre journey safety meeting with the crew.
Event	28	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	6/23/2018	23:50:00	USER				Started journey management with dispatch and left location.

3.0 Attachments

3.1 Troudt 2N-29B-L Production – Job Chart with Events



3.2 Troudt 2N-29B-L Production – Job Chart without Events

