

HALLIBURTON

iCem[®] Service

EXTRACTION OIL & GAS

Date: Monday, February 29, 2016

Bybee #1

Production

Job Date: Sunday, February 28, 2016

Sincerely,

Lauren Roberts

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1.0 Cementing Job Summary

1.1 Executive Summary

Halliburton appreciates the opportunity to perform the cementing services on the **Bybee #1** 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.

50 bbls. 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]

The Road to Excellence Starts with Safety

Sold To #: 369404		Ship To #: 3677756		Quote #:		Sales Order #: 0903145566				
Customer: EXTRACTION OIL & GAS						Customer Rep: LARRY SEGAL				
Well Name: BYBEE			Well #: 1		API/UWI #: 05-123-41800-00					
Field: WATTENBERG		City (SAP): FIRESTONE		County/Parish: WELD		State: COLORADO				
Legal Description: NE SE-14-2N-68W-2267FSL-1080FEL										
Contractor: PATTERSON-UTI ENERGY				Rig/Platform Name/Num: PATTERSON 346						
Job BOM: 7523										
Well Type: HORIZONTAL OIL										
Sales Person: HALAMERICA\HX38199				Srv Supervisor: Aaron Smith						
Job										
Formation Name										
Formation Depth (MD)		Top		Bottom						
Form Type				BHST						
Job depth MD		12658ft		Job Depth TVD		7328				
Water Depth				Wk Ht Above Floor		3				
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	1556		0
Casing		5.5	4.778	20			0	12639		0
Open Hole Section			7.875				1556	12658	0	0
Tools and Accessories										
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make	
Guide Shoe	5.5					Top Plug	5.5	1	HES	
Float Shoe	5.5	1		12639		Bottom Plug	5.5		HES	
Float Collar	5.5	1		12634		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	3.74		6	

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	150	sack	13.2	1.6		8	7.53
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	ElastiCem Tail Cement	ELASTICEM (TM) SYSTEM	1550	sack	13.2	1.6		8	7.54
7.54 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	MMCR Displacement	MMCR Displacement	10	bbl	8.33			8	
0.50 gal/bbl		MICRO MATRIX CEMENT RETARDER, 1 GAL PAIL (100003780)							
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
5	Displacement	Displacement	269.3	bbl	8.33			8	
Cement Left In Pipe		Amount	5 ft			Reason		Shoe Joint	
Comment									

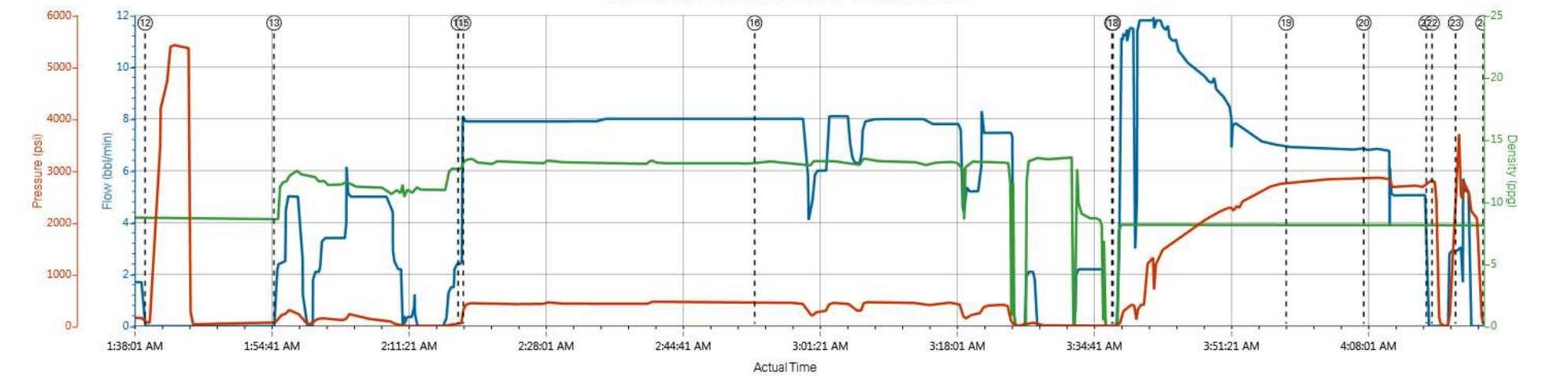
2.0 Real-Time Job Summary

2.1 Job Event Log

Type	Seq. No.	Activity	Graph Label	Date	Time	Source	Combined Pump Rate (bbl/min)	Downhole Density (ppg)	Pass-Side Pump Pressure (psi)	Comments
Event	1	Call Out	Call Out	2/27/2016	17:30:00	USER				FOR ON LOCATION @ 0001
Event	2	Depart Yard Safety Meeting	Depart Yard Safety Meeting	2/27/2016	21:30:00	USER				JOURNEY MANAGMENT MEETING PRIOR TO DEPARTURE
Event	3	Depart from Service Center or Other Site	Depart from Service Center or Other Site	2/27/2016	21:45:00	USER				
Event	4	Arrive at Location from Service Center	Arrive at Location from Service Center	2/27/2016	22:50:00	USER				WITH ALL EQUIPEMENT AND MATERIALS,
Event	5	Assessment Of Location Safety Meeting	Assessment Of Location Safety Meeting	2/27/2016	22:55:00	USER				HAZARD HUNT AND WATER TEST PERFORMED
Event	6	Pre-Rig Up Safety Meeting	Pre-Rig Up Safety Meeting	2/27/2016	23:00:00	USER				JSA TO DISCUSS THE HAZARDS OF RIG-UP
Event	7	Rig-Up Equipment	Rig-Up Equipment	2/27/2016	23:05:00	USER				
Event	8	Rig-Up Completed	Rig-Up Completed	2/28/2016	00:01:00	USER				
Event	9	Pre-Job Safety Meeting	Pre-Job Safety Meeting	2/28/2016	00:45:00	USER				WITH CUSTOMER REP AND RIG-CREW
Event	10	Other	Rig Info	2/28/2016	00:57:00	USER				TD: 12658ft TP: 12639ft (5.5 @ 20#) Shoe Joint: 5ft Surface: 1556ft (9.625 @ 36#) Mud: 9.8# Water Test: pH: 7 Temp: 68FChorlides: 0
Event	11	Start Job	Start Job	2/28/2016	00:58:14	COM4				
Event	12	Test Lines	Test Lines	2/28/2016	01:39:34	COM4	0.00	8.69	67.00	@5419 PSI
Event	13	Pump Spacer 1	Pump Spacer 1	2/28/2016	01:55:14	COM4	1.70	8.53	79.00	50 BBLS TUNED SPACER @ 11.5 PPG, WITH 10 GAL MUSOL A, 10 GAL DUAL SPACER B 10 GAL D-AIR, VERIFIED WITH PRESSURIZED
Event	14	Pump Cement	Pump Cement	2/28/2016	02:17:38	COM4	2.40	12.64	55.00	1700 SKS (484.32 BBLS) ELASTICEM, 150 SKS WITH OUT CBL, @ 13.2 PPG, VERFIED WITH PRESSURIZED SCALES

Event	15	Check Weight	Check weight	2/28/2016	02:18:16	COM4	7.90	13.35	423.00	13.2
Event	16	Check Weight	Check weight	2/28/2016	02:53:40	COM4	8.00	13.10	454.00	13.35
Event	17	Drop Top Plug	Drop Top Plug	2/28/2016	03:37:07	COM4	0.00	-0.31	6.00	KLX TOOL HAND DROPPED TOP PLUG IN PLUG CONTAINER
Event	18	Pump Displacement	Pump Displacement	2/28/2016	03:37:15	COM4	0.00	-0.31	5.00	279.32 BBLS FRESH WATER, 5 GALLONS MMCR IN FIRST 10 BBLS
Event	19	Other	Spacer Returns to Surface	2/28/2016	03:58:18	COM4	6.90	8.17	2762.00	@ 179 BBLS DISPLACEMENT, 50 BBLS TO SURFACE
Event	20	Other	Cement Returns to Surface	2/28/2016	04:07:44	COM4	6.80	8.18	2857.00	@229 BBLS DISPLACEMENT , 50 BBLS TO SURFACE
Event	21	Bump Plug	Bump Plug	2/28/2016	04:15:20	COM4				@500 PSI OVER, FINAL CIRCULATING PRESSURE 2700 PSI
Event	22	Check Floats	Check Floats	2/28/2016	04:16:03	USER	0.00	8.19	2796.00	FLOATS GOOD 2.5 BBLS BACK
Event	23	Comment	Comment	2/28/2016	04:18:54	USER	2.90	8.20	3453.00	PUMP 5 BBL WET SHOE
Event	24	End Job	End Job	2/28/2016	04:22:14	COM4				THANKS AARON SMITHA ND CREW
Event	25	Pre-Rig Down Safety Meeting	Pre-Rig Down Safety Meeting	2/28/2016	04:25:00	USER				JSA TO DISCUSS THE HAZARDS OF RIGDOWN
Event	26	Rig-Down Equipment	Rig-Down Equipment	2/28/2016	04:30:00	USER				
Event	27	Rig-Down Completed	Rig-Down Completed	2/28/2016	05:00:00	USER				
Event	28	Depart Location Safety Meeting	Depart Location Safety Meeting	2/28/2016	05:10:00	USER				JOURNEY MANAGMENT MEETING PRIOR TO DEPARTURE
Event	29	Depart Location for Service Center or Other Site	Depart Location for Service Center or Other Site	2/28/2016	05:15:00	USER				JOURNEY CALLED IN TO DISPATCH

EXTRACTION OIL & GAS BYBEE 1 PRODUCTION



			Comb Pump Rate (bbl/min)			DH Density (ppg)			PS Pump Press (psi)		
ety Meeting 0;0.14;1 12;1	1 Start Job 0;0.11;1	2 Pump Spacer 11.7;8.53;79	3 Check weight 7.9;13.35;423	4 Drop Top Plug 0;-0.31;6	5 Spacer Returns to Surface 6.9;8.17;2762	6 21 Bump Plug 0;8.17;2797	7 23 Comment 2.9;8.2;3453	8 25 Pre-Rig Down Safety Meeting 0;8.11;3	9 27 Ri		
	10 Test Lines 0;8.69;67	11 Pump Cement 2.4;12.64;55	12 Check weight 8;13.1;454	13 Pump Displacement 0;-0.31;5	14 20 Cement Returns to Surface 6.8;8.18;2857	15 22 Check Floats 0;8.19;2796	16 24 End Job 0;8.12;10.11	17 26 Rig-Down Equipment n/a;n/a;n/a	18 28 Ds		

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Customer : EXTRACTION OIL & GAS
Representative : AARON SMITH

Job Date : 2/28/2016 12:23:09 AM
Sales Order # : 903145566

Well : BYBEE 1

EXTRACTION OIL & GAS BYBEE 1 PRODUCTION

