

# Cementing Service Report

				Customer Crestone		Job Number E7RM-00415	
Well Kats 8-2-34		Location (legal)		Schlumberger Location Cheyenne		Job Start Dec/02/2020	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD ft	Well TVD ft
County Weld		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master		API/UWI					
Rig Name Workover	Drilled For Oil	Service Via Land	Casing/Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class Old	Well Type Workover					
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing	Job Type Plug			T	7900.0	2.4	4.7
					0.0	0.0	0.0
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection 2 3/8" 4.7# T/S	Perforations/Open Hole				
			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft
			ft	ft			
			ft	ft			Diameter in
			ft	ft			
			Treat Down Tubing	Displacement 26.5 bbl	Packer Type	Packer Depth ft	
			Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure psi				Shoe Type		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft		Tool Type	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth ft	
Cement Head Type			Stage Tool Depth ft		Tail Pipe Size in		
Job Scheduled For Dec/02/2020		Arrived on Location Dec/02/2020	Leave Location Dec/02/2020	Collar Type		Tail Pipe Depth ft	
				Collar Depth ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
12/02/2020	10:29:39	0	0.0	0.01	0.0	Started Acquisition	
12/02/2020	10:34:39	0	0.0	-0.00	0.0		
12/02/2020	10:39:39	0	0.0	8.04	0.0		
12/02/2020	10:41:06	137	0.0	8.25	0.0	Start Pumping Water	
12/02/2020	10:43:11	78	0.1	8.24	2.2	End Water	
12/02/2020	10:44:39	2802	0.0	8.24	2.2		
12/02/2020	10:44:57	3465	0.0	8.24	2.2	Pressure Test Lines	
12/02/2020	10:49:39	0	0.0	12.95	2.2		
12/02/2020	10:51:47	0	0.0	15.73	2.2	Start Cement Slurry	
12/02/2020	10:54:39	128	2.0	15.82	7.1		
12/02/2020	10:59:39	1817	2.0	15.52	17.3		
12/02/2020	11:03:58	1630	2.0	15.33	26.1	End Cement Slurry	
12/02/2020	11:04:00	1598	2.0	14.63	26.2	Start Displacement	
12/02/2020	11:04:39	1561	2.0	8.23	27.5		
12/02/2020	11:09:39	2252	2.0	8.26	37.7		
12/02/2020	11:14:39	2994	0.9	8.23	45.2		
12/02/2020	11:19:39	3058	0.4	8.23	48.3		
12/02/2020	11:20:47	3246	0.3	8.23	48.7	End Displacement	

<b>Well</b> Kats 8-2-34	<b>Field</b> DJ	<b>Job Start</b> Dec/02/2020	<b>Customer</b> Crestone	<b>Job Number</b> E7RM-00415
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 1.6	N2	Mud	Maximum Rate 2.2		Total Slurry 29.7	Mud 0.0	Spacer 5.0	N2		
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 3484	Final 0	Average 1426	Bump Plug to	Breakdown	Type		Volume bbl	Density lb/gal		
Avg. N2 Percent %		Designed Slurry Volume 29.7 bbl		Displacement 26.5 bbl		Mix Water Temp 60 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Carl Rayas				Schlumberger Supervisor Matt Leiker				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
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# Cementing Service Report

				Customer Crestone		Job Number E7RM-00415	
Well Kats 8-2-34		Location (legal)		Schlumberger Location Cheyenne		Job Start Dec/02/2020	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD ft	Well TVD ft
County Weld		State/Province Colorado		BHP psi	BHST degF	BHCT degF	Pore Press. Gradient lb/gal
Well Master		API/UWI					
Rig Name Ensign 313	Drilled For Oil	Service Via Land	Casing/Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class Old	Well Type Workover					
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
Service Line Cementing	Job Type Plug			T	5655.0	2.4	4.7
					0.0	0.0	0.0
Max. Allowed Tub. Press psi	Max. Allowed Ann. Press psi	WH Connection 2 3/8" 4.7# T/S	Perforations/Open Hole				
			Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval ft
			ft	ft			
			ft	ft			Diameter in
			Treat Down Tubing	Displacement 21.3 bbl	Packer Type	Packer Depth ft	
			Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. bbl	
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure psi				Shoe Type		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft		Tool Type	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth ft	
Cement Head Type			Stage Tool Depth ft		Tail Pipe Size in		
Job Scheduled For Dec/02/2020		Arrived on Location Dec/02/2020	Leave Location Dec/02/2020	Collar Type		Tail Pipe Depth ft	
				Collar Depth ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
12/02/2020	13:39:21	13	0.0	8.24	0.0	Started Acquisition	
12/02/2020	14:19:21	17	0.0	8.24	0.0		
12/02/2020	14:24:21	0	0.0	8.24	0.0		
12/02/2020	14:25:00	0	0.0	8.24	0.0	Start Pumping Water	
12/02/2020	14:27:30	5	0.7	8.24	1.7	End Water	
12/02/2020	14:29:21	37	0.0	8.24	1.7		
12/02/2020	14:34:21	32	0.0	15.62	1.7		
12/02/2020	14:35:51	37	0.0	15.60	1.7	Start Cement Slurry	
12/02/2020	14:37:48	531	2.0	10.89	4.2	End Cement Slurry	
12/02/2020	14:37:49	517	2.0	10.08	4.3	Start Displacement	
12/02/2020	14:39:21	211	2.0	9.16	7.4		
12/02/2020	14:44:21	394	2.0	8.23	17.6		
12/02/2020	14:46:30	-18	0.0	8.23	21.8	End Displacement	
12/02/2020	15:04:21	-5	0.0	8.24	21.8		
12/02/2020	15:06:41	64	0.0	8.25	21.8	Start Pumping Water	
12/02/2020	15:09:21	5	0.0	8.23	21.8		
12/02/2020	15:10:43	-9	0.1	8.24	23.3	End Water	
12/02/2020	15:14:21	69	0.0	15.72	23.3		
12/02/2020	15:16:27	73	0.0	15.78	23.3	Start Cement Slurry	
12/02/2020	15:18:28	453	2.0	14.69	26.4	End Cement Slurry	
12/02/2020	15:18:29	471	2.0	13.71	26.5	Start Displacement	

Well Kats 8-2-34			Field DJ		Job Start Dec/02/2020		Customer Crestone		Job Number E7RM-00415	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
12/02/2020	15:24:21	284	2.0	8.25	38.4					

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 1.9	N2		Mud	Maximum Rate 2.1	Total Slurry 6.6	Mud 0.0		Spacer 6.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 655	Final 0	Average 111	Bump Plug to	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 6.6 bbl		Displacement 39.7 bbl		Mix Water Temp 60 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Carl Rayas				Schlumberger Supervisor Matt Leiker				Circulation Lost <input type="checkbox"/>		Job Completed <input type="checkbox"/>
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# Cementing Service Report

				Customer Crestone			Job Number ELPN-00002		
Well Kat 8-2-34			Location (legal)		Schlumberger Location Cheyenne			Job Start Dec/03/2020	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in		Well MD ft		
County Weld		State/Province Colorado		BHP psi	BHST degF		BHCT degF		
Well Master		API/UWI				Pore Press. Gradient lb/gal			
Rig Name Ensign 313		Drilled For Oil		Service Via Land		Casing/Liner			
Offshore Zone		Well Class Old		Well Type Workover		Depth, ft			
						Size, in			
						Weight, lb/ft			
						Grade			
						Thread			
Drilling Fluid Type		Max. Density lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe			
Service Line Cementing		Job Type Plug				T/D			
						Depth, ft			
						Size, in			
						Weight, lb/ft			
						Grade			
						Thread			
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection 2 3/8" 4.7# T/S		Perforations/Open Hole			
						Top, ft			
						Bottom, ft			
						shot/ft			
						No. of Shots			
						Total Interval ft			
						ft			
						ft			
						ft			
						Diameter in			
						Treat Down Casing			
						Displacement 37.3 bbl			
						Packer Type			
						Packer Depth ft			
						Tubing Vol. bbl			
						Casing Vol. bbl			
						Annular Vol. bbl			
						Openhole Vol. bbl			
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>		Casing Tools			Squeeze Job		
Lift Pressure psi				Shoe Type			Squeeze Type		
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft			Tool Type		
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type			
						Tool Depth ft			
Cement Head Type				Stage Tool Depth ft			Tail Pipe Size in		
Job Scheduled For Dec/03/2020		Arrived on Location Dec/03/2020		Leave Location Dec/03/2020		Collar Type			
						Tail Pipe Depth ft			
						Collar Depth ft			
						Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
12/03/2020	14:45:05	17	0.0	0.01	0.0	Started Acquisition			
12/03/2020	14:50:05	0	0.0	0.27	0.0				
12/03/2020	14:50:56	0	0.0	8.18	0.0	Start Pumping Water			
12/03/2020	14:53:53	64	0.0	8.22	3.3	Pressure Test Lines			
12/03/2020	14:55:05	2820	0.0	8.22	3.3				
12/03/2020	15:00:05	380	3.8	8.22	16.4				
12/03/2020	15:03:36	252	0.0	8.23	29.5	End Pumping Water			
12/03/2020	15:05:05	124	0.0	10.20	29.5				
12/03/2020	15:08:28	124	0.0	15.75	29.5	Start Pumping Slurry			
12/03/2020	15:10:05	554	3.8	15.73	29.5				
12/03/2020	15:14:24	252	3.8	15.84	29.5	End Pumping Slurry			
12/03/2020	15:14:29	256	3.8	14.80	29.5	Start Displacement			
12/03/2020	15:15:05	55	3.8	8.48	31.7				
12/03/2020	15:20:05	82	3.7	8.22	50.5				
12/03/2020	15:22:30	-9	1.3	8.22	59.5	End Displacement			

<b>Well</b> Kat 8-2-34	<b>Field</b> DJ	<b>Job Start</b> Dec/03/2020	<b>Customer</b> Crestone	<b>Job Number</b> ELPN-00002
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 3.4	N2		Mud	Maximum Rate 3.8	Total Slurry 21.9	Mud 0.0		Spacer 35.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 2861	Final 0	Average 279	Bump Plug to	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 21.9 bbl		Displacement 37.3 bbl		Mix Water Temp 65 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Carl Rayas				Schlumberger Supervisor Matt Leiker				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-

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<b>Well</b> Kat 8-2-34	<b>Field</b> DJ	<b>Job Start</b> Dec/04/2020	<b>Customer</b> Crestone	<b>Job Number</b> ELPN-00004
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry 2.0	N2		Mud	Maximum Rate 2.0	Total Slurry 34.0	Mud 0.0		Spacer 30.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 2315	Final 0	Average 141	Bump Plug to	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 34.0 bbl		Displacement 2.1 bbl		Mix Water Temp 63 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative Carl Rayas				Schlumberger Supervisor Matt Leiker				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-



# Cementing Service Report

				Customer Crestone		Job Number ELK3-00010	
Well Kats 8-2-34		Location (legal) CWY		Schlumberger Location Cheyenne		Job Start Dec/30/2020	
Field DJ		Formation Name/Type		Deviation deg	Bit Size in	Well MD 608.0 ft	Well TVD 608.0 ft
County Weld		State/Province Colorado		BHP psi	BHST 90 degF	BHCT 80 degF	Pore Press. Gradient lb/gal
Well Master 1234		API/UWI					
Rig Name Workover	Drilled For Oil and Gas	Service Via Land	Casing/Liner				
			Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Offshore Zone	Well Class Old	Well Type Other	608.0	8.6	24.0	n/a	n/a
			0.0	0.0	0.0		
Drilling Fluid Type Other		Max. Density 8.40 lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe			
				T/D	Depth, ft	Size, in	Weight, lb/ft
					608.0	2.4	4.7
					0.0	0.0	0.0
Service Line Cementing	Job Type P & A Surface Plug		Perforations/Open Hole				
		Max. Allowed Ann. Press psi	WH Connection 2 3/8" 4.7# T/S	Top, ft	Bottom, ft	shot/ft	No. of Shots
				ft	ft		Total Interval ft
				ft	ft		Diameter in
				ft	ft		
				Treat Down Tubing	Displacement bbl	Packer Type	Packer Depth ft
				Tubing Vol. bbl	Casing Vol. bbl	Annular Vol. bbl	Openhole Vol. bbl
Casing/Tubing Secured <input type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input type="checkbox"/>		Casing Tools		Squeeze Job	
Lift Pressure psi				Shoe Type		Squeeze Type	
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>		Shoe Depth ft		Tool Type	
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth ft	
Cement Head Type				Stage Tool Depth ft		Tail Pipe Size in	
Job Scheduled For Dec/30/2020		Arrived on Location Dec/30/2020	Leave Location Dec/30/2020	Collar Type		Tail Pipe Depth ft	
				Collar Depth ft		Sqz. Total Vol. bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density PSI	Volume BBL	Message	
12/30/2020	08:50:17	0	0.0	0	0.0	Started Acquisition	
12/30/2020	08:55:17	0	0.0	0	0.0		
12/30/2020	09:00:17	0	0.0	0	0.0		
12/30/2020	09:05:17	69	0.8	0	0.0		
12/30/2020	09:10:17	23	0.0	0	0.0		
12/30/2020	09:11:31	18	0.0	0	0.0	Start cmt	
12/30/2020	09:15:17	78	2.0	0	0.0		
12/30/2020	09:20:17	9	0.0	0	0.0		
12/30/2020	09:25:17	169	2.0	0	0.0		
12/30/2020	09:30:17	211	2.0	0	0.0		
12/30/2020	09:35:17	14	0.7	0	0.0		
12/30/2020	09:40:17	14	0.5	0	0.0		
12/30/2020	09:45:17	188	2.0	0	0.0		

<b>Well</b> Kats 8-2-34	<b>Field</b> DJ	<b>Job Start</b> Dec/30/2020	<b>Customer</b> Crestone	<b>Job Number</b> ELK3-00010
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl				
Slurry 1.5	N2		Mud	Maximum Rate 3.5	Total Slurry 41.2	Mud 0.0		Spacer 0.0	N2
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum 1364	Final 18	Average 80	Bump Plug to	Breakdown	Type		Volume bbl		Density lb/gal
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 0.0 bbl		Mix Water Temp degF		Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume bbl
								Washed Thru Perfs <input type="checkbox"/>	To ft
Customer or Authorized Representative Carl R.				Schlumberger Supervisor Richard White				Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>
								-	-