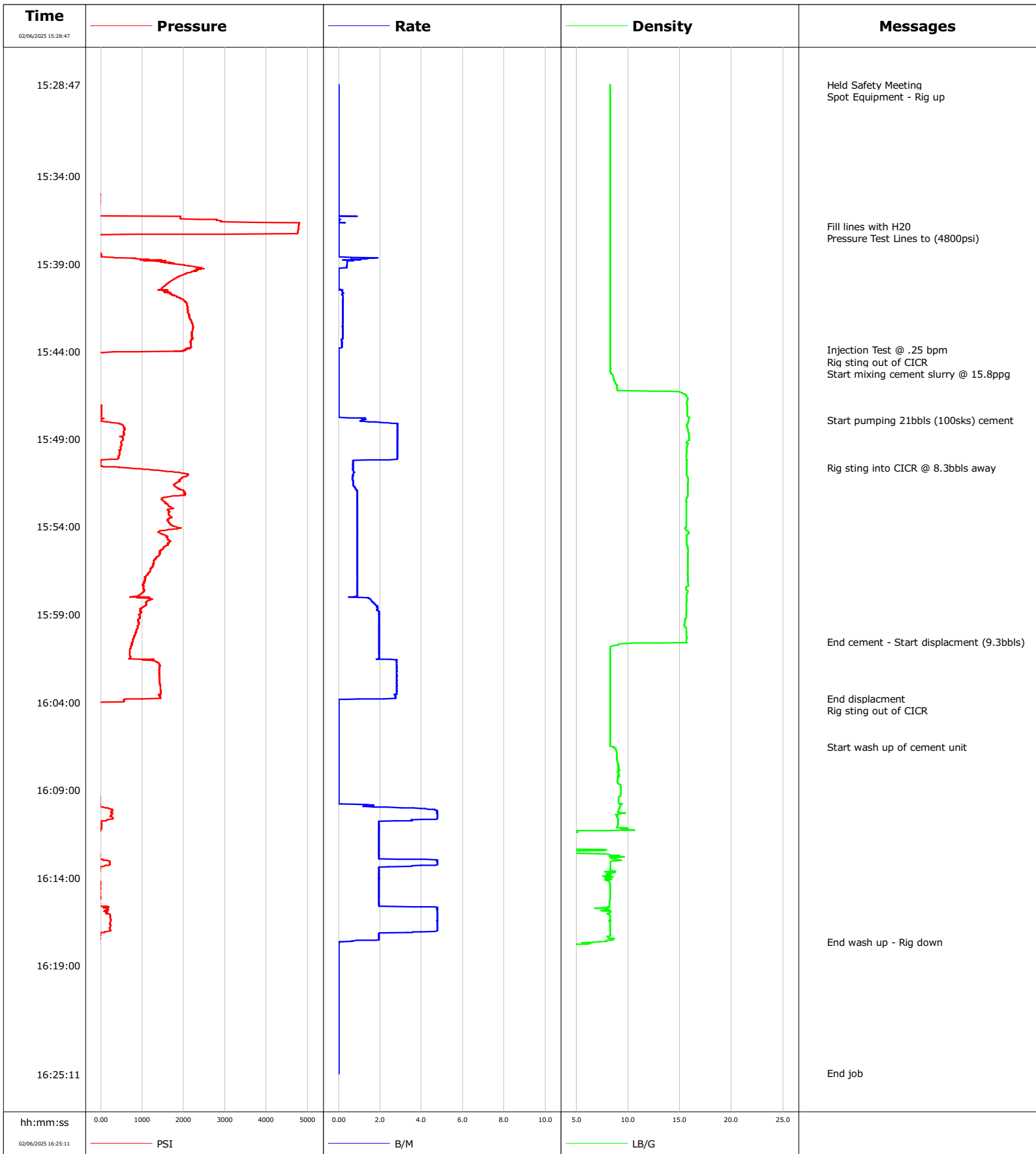


Well	TUTTLE INVEST CO UN1	Client	OXY Petroleum
Field	Wattenberg	SIR No.	1063462.X1R156
Engineer	Dustin Krueger	Job Type	PA Step # 33 - Lower AGM
Country	United States	Job Date	2-5-2024



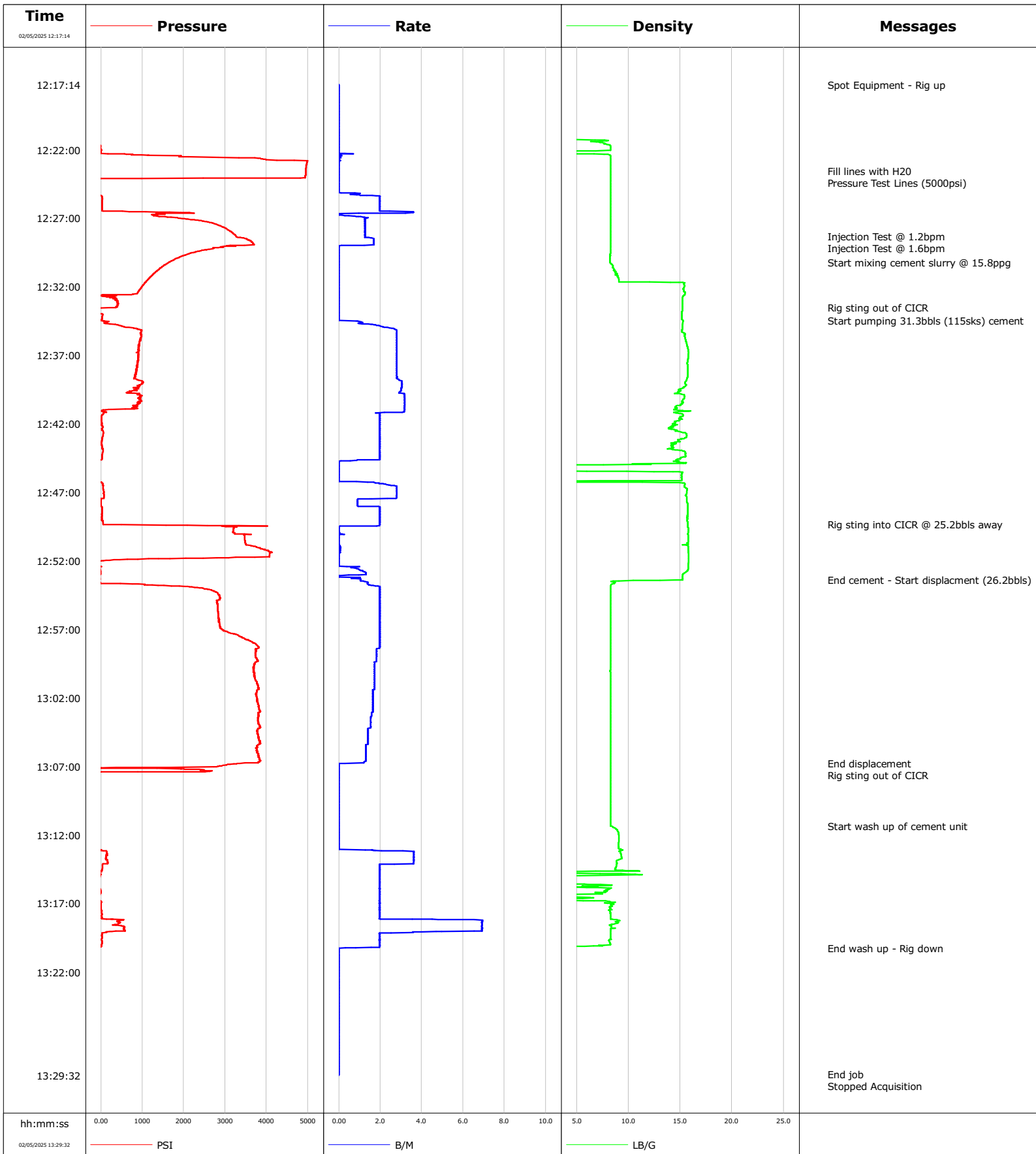
				Customer			Job Number		
				OXY Petroleum			1063462.X1R156		
Well		Location (legal)		Schlumberger Location			Job Start		
TUTTLE INVEST CO UN1		40.2432096, -104.8051068		Windsor, Colorado			Feb/06/2025		
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD		
Wattenberg				deg	in	8200.0 ft	8200.0 ft		
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
Converse		Colorado		psi	90 degF	80 degF	lb/gal		
Well Master		API/UWI							
64995153		05-123-15355							
Rig Name	Drilled For	Service Via	Casing/Liner						
Swabco 12	Oil & Gas	Land	Depth, ft		Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type	8187.0	5.5	17.0	N/A	N/A		
	Old	Workover	0.0	0.0	0.0				
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type		T	2670.0	2.9	6.5	P110	8RD	
Cementing	PA Step # 33 - Lower AGM		0.0	0.0	0.0				
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole					
psi	psi	2 7/8" 6.5# T/S		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
Service Instructions		Treat Down	Displacement	Packer Type		Packer Depth			
Pressure Test: 4800psi Estimated BOC = 2702' ; Estimated TOC = 2627' Cement Type Density = Lower AGM @ 15.8 ppg Volume = 21.6bbl ; Sacks = 100sks Yield = 1.21 ft3/sk ; GPS = 5.263 Water: Temp 67;Cl <500 ; pH 7		Tubing	9.3 bbl			ft			
D907 (G Cement) = 94 lbs/sk WBWOB /// B547 (GASBLOK) = .4% BWOB D053 (Extender) = 4% BWOB /// S001 (Accelerator) = 1.5% BWOB		Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.				
		10.3 bbl	bbl	bbl	bbl				
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement	Casing Tools			Squeeze Job			
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							
Lift Pressure		Shoe Type	Shoe Depth			Squeeze Type			
psi			ft						
Pipe Rotated		Pipe Reciprocated	Stage Tool Type			Tool Depth			
<input type="checkbox"/>		<input type="checkbox"/>				ft			
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Depth			Tail Pipe Size		
				ft			in		
Cement Head Type		Collar Type	Collar Depth			Tail Pipe Depth			
			ft			ft			
Job Scheduled For		Arrived on Location	Leave Location	Sqz. Total Vol.					
Feb/06/2025 15:30		Feb/06/2025 15:30	Feb/06/2025 17:30	ft			bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/06/2025	15:28:47	-65	0.0	8.27	0.0	Started Acquisition			
02/06/2025	15:28:48	-65	0.0	8.27	0.0	Spot Equipment - Rig up			
02/06/2025	15:36:53	4778	0.0	8.27	0.0	Fill lines with H2O			
02/06/2025	15:36:56	4778	0.0	8.27	0.0	Pressure Test Lines to (4800psi)			
02/06/2025	15:43:55	2022	0.0	8.27	1.1	Injection Test @ .25 bpm			
02/06/2025	15:44:22	-65	0.0	8.27	1.1	Rig sting out of CICR			
02/06/2025	15:45:06	-70	0.0	8.29	1.1	Start mixing cement slurry @ 15.8ppg			
02/06/2025	15:47:54	-38	1.2	15.88	1.2	Start pumping 21bbls (100sks) cement			
02/06/2025	15:50:38	622	0.7	15.69	7.8	Rig sting into CICR @ 8.3bbls away			
02/06/2025	16:00:34	786	2.0	15.66	19.1	End cement - Start displacment (9.3bbls)			
02/06/2025	16:03:46	1450	2.7	8.27	27.2	End displacment			
02/06/2025	16:03:59	530	0.0	8.27	27.4	Rig sting out of CICR			
02/06/2025	16:06:32	-65	0.0	8.55	27.4	Start wash up of cement unit			
02/06/2025	16:17:40	-79	0.0	7.30	49.6	End wash up - Rig down			

Well TUTTLE INVEST CO UN1	Field Wattenberg	Job Start Feb/06/2025	Customer OXY Petroleum	Job Number 1063462.X1R156
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 1.8	N2	Mud	Maximum Rate 4.8	Total Slurry 21.6	Mud 0.0	Spacer 0.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4801	Final 0	Average 1276	Bump Plug to	Breakdown	Type FreshWater	Volume 12.5 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 21.6 bbl	Displacement 9.3 bbl	Mix Water Temp 67 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume 0.0 bbl	To ft	Washed Thru Perfs <input type="checkbox"/>	
Customer or Authorized Representative Ray Bishop			Schlumberger Supervisor Dustin Krueger		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	-	

Well	TUTTLE INVEST CO UN1	Client	OXY Petroleum
Field	Wattenberg	SIR No.	1063462.X1R156
Engineer	Dustin Krueger	Job Type	PA Step #17 - Nio
Country	United States	Job Date	2-5-2024



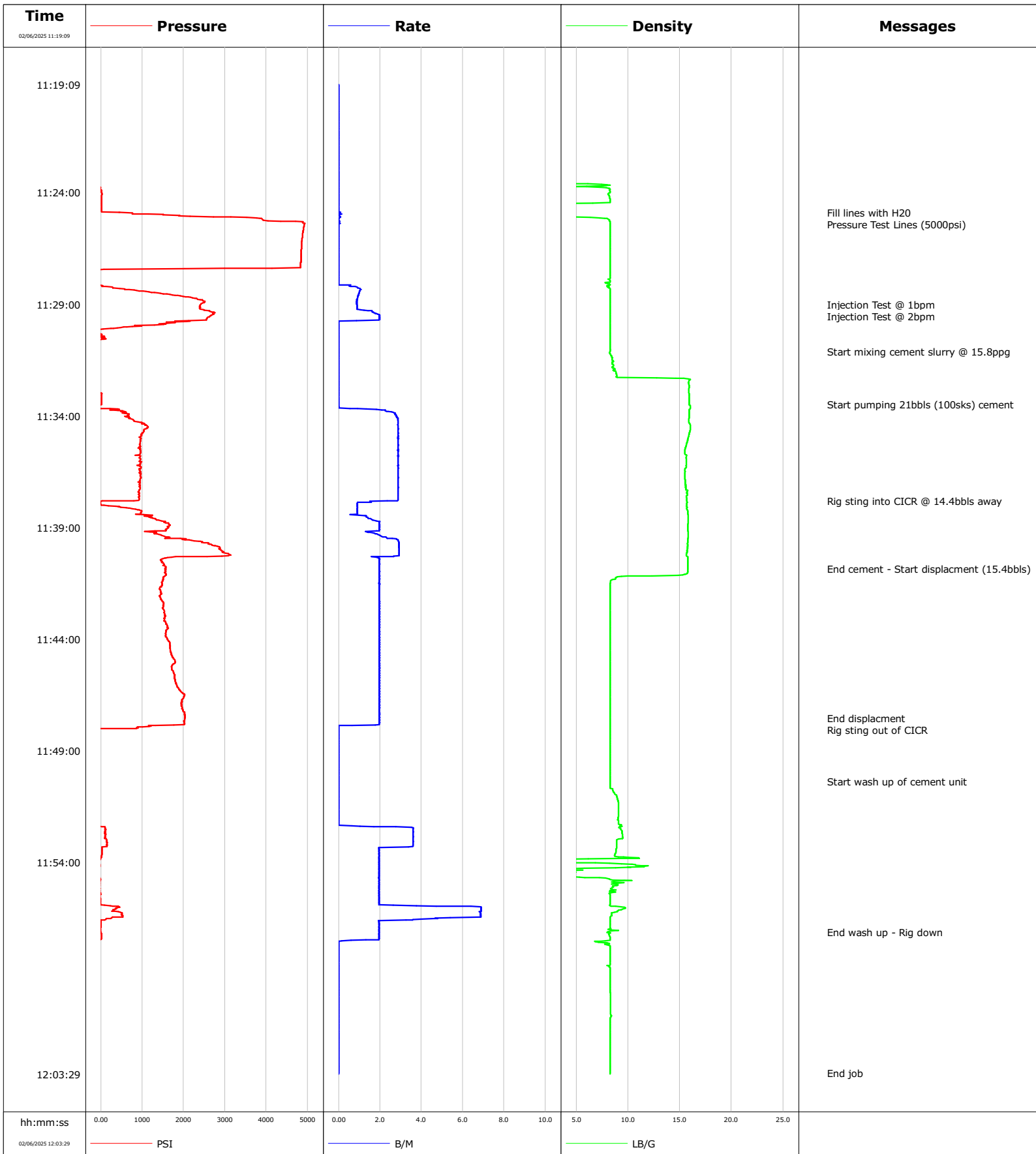
				Customer			Job Number		
				OXY Petroleum			1063462.X1R156		
Well		Location (legal)		Schlumberger Location			Job Start		
TUTTLE INVEST CO UN1		40.2432096, -104.8051068		Windsor, Colorado			Feb/06/2025		
Field		Formation Name/Type		Deviation	Bit Size	Well MD		Well TVD	
Wattenberg				deg	in	8200.0 ft		8200.0 ft	
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
Converse		Colorado		psi	90 degF	80 degF	lb/gal		
Well Master		API/UWI							
64995153		05-123-15355							
Rig Name	Drilled For	Service Via	Casing/Liner						
Swabco 12	Oil & Gas	Land	Depth, ft		Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type	8187.0	5.5	17.0	N/A	N/A		
	Old	Workover	0.0	0.0	0.0				
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type		T	7038.0	2.9	6.5	P110	8RD	
Cementing	PA Step #17 - Nio		0.0	0.0	0.0				
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole					
psi	psi	2 7/8" 6.5# T/S		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
Service Instructions Pressure Test: 5000psi Estimated BOC = 7068' ; Estimated TOC = 6995' Cement Type Density = Niobrara @ 15.8 ppg Volume = 31.3bbl ; Sacks = 115sks Yield = 1.53 ft3/sk ; GPS = 6.329 Water: Temp 68;Cl <500 ; pH 7 D907 (G Cement)= 94 lbs/sk BWOB /// D066 (Silica) = 35% BWOB D800 (Retarder) = .23% BWOB /// D065 (Dispersant) = .2% BWOB D167A (Fluid Loss) = .4% BWOB /// B547 (GASBLOK) = .4% BWOB				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
Treat Down		Displacement		Packer Type		Packer Depth			
Tubing		26.2 bbl				ft			
Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.			
27.2 bbl		bbl		bbl		bbl			
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement		Casing Tools			Squeeze Job		
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							
Lift Pressure		psi		Shoe Type		Squeeze Type			
Pipe Rotated		Pipe Reciprocated		Shoe Depth		Tool Type			
<input type="checkbox"/>		<input type="checkbox"/>		ft					
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth			
						ft			
Cement Head Type				Stage Tool Depth		Tail Pipe Size			
				ft		in			
Job Scheduled For		Arrived on Location	Leave Location	Collar Type		Tail Pipe Depth			
Feb/06/2025 11:00		Feb/06/2025 11:00	Feb/06/2025 12:00			ft			
				Collar Depth	Sqz. Total Vol.	bbl			
				ft	bbl				
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/05/2025	12:17:14	-60	0.0	0.01	0.0	Started Acquisition			
02/05/2025	12:23:32	4947	0.0	8.27	0.0	Fill lines with H2O			
02/05/2025	12:23:40	4947	0.0	8.27	0.0	Pressure Test Lines (5000psi)			
02/05/2025	12:28:20	3268	1.3	8.26	4.8	Injection Test @ 1.2bpm			
02/05/2025	12:28:55	3707	1.7	8.26	5.8	Injection Test @ 1.6bpm			
02/05/2025	12:30:15	1629	0.0	8.25	5.9	Start mixing cement slurry @ 15.8ppg			
02/05/2025	12:33:32	214	0.0	15.21	5.9	Rig sting out of CICR			
02/05/2025	12:34:28	-51	0.0	15.29	5.9	Start pumping 31.3bbls (115sks) cement			
02/05/2025	12:49:19	59	2.0	15.75	37.9	Rig sting into CICR @ 25.2bbls away			
02/05/2025	12:53:25	-33	1.1	14.59	39.2	End cement - Start displacement (26.2bbls)			
02/05/2025	13:06:47	3354	0.3	8.26	62.1	End displacement			
02/05/2025	13:07:22	2581	0.0	8.26	62.1	Rig sting out of CICR			
02/05/2025	13:11:22	-56	0.0	8.27	62.1	Start wash up of cement unit			
02/05/2025	13:20:16	-47	0.0	0.39	82.3	End wash up - Rig down			
02/05/2025	13:29:28	-51	0.0	0.01	82.3	End job			

Well TUTTLE INVEST CO UN1	Field Wattenberg	Job Start Feb/06/2025	Customer OXY Petroleum	Job Number 1063462.X1R156
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.1	N2	Mud	Maximum Rate 7.0	Total Slurry 31.3	Mud 0.0	Spacer 0.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4998	Final 0	Average 1835	Bump Plug to	Breakdown	Type FreshWater	Volume 17.3 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 31.3 bbl	Displacement 26.2 bbl	Mix Water Temp 68 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume 0.0 bbl	To ft	Washed Thru Perfs <input type="checkbox"/>	
Customer or Authorized Representative Ray Bishop			Schlumberger Supervisor Dustin Krueger		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	-	

Well	TUTTLE INVEST CO UN1	Client	OXY Petroleum
Field	Wattenberg	SIR No.	X1R158
Engineer	Dustin Krueger	Job Type	PA Step #26 Sussex
Country	United States	Job Date	2-6-2024



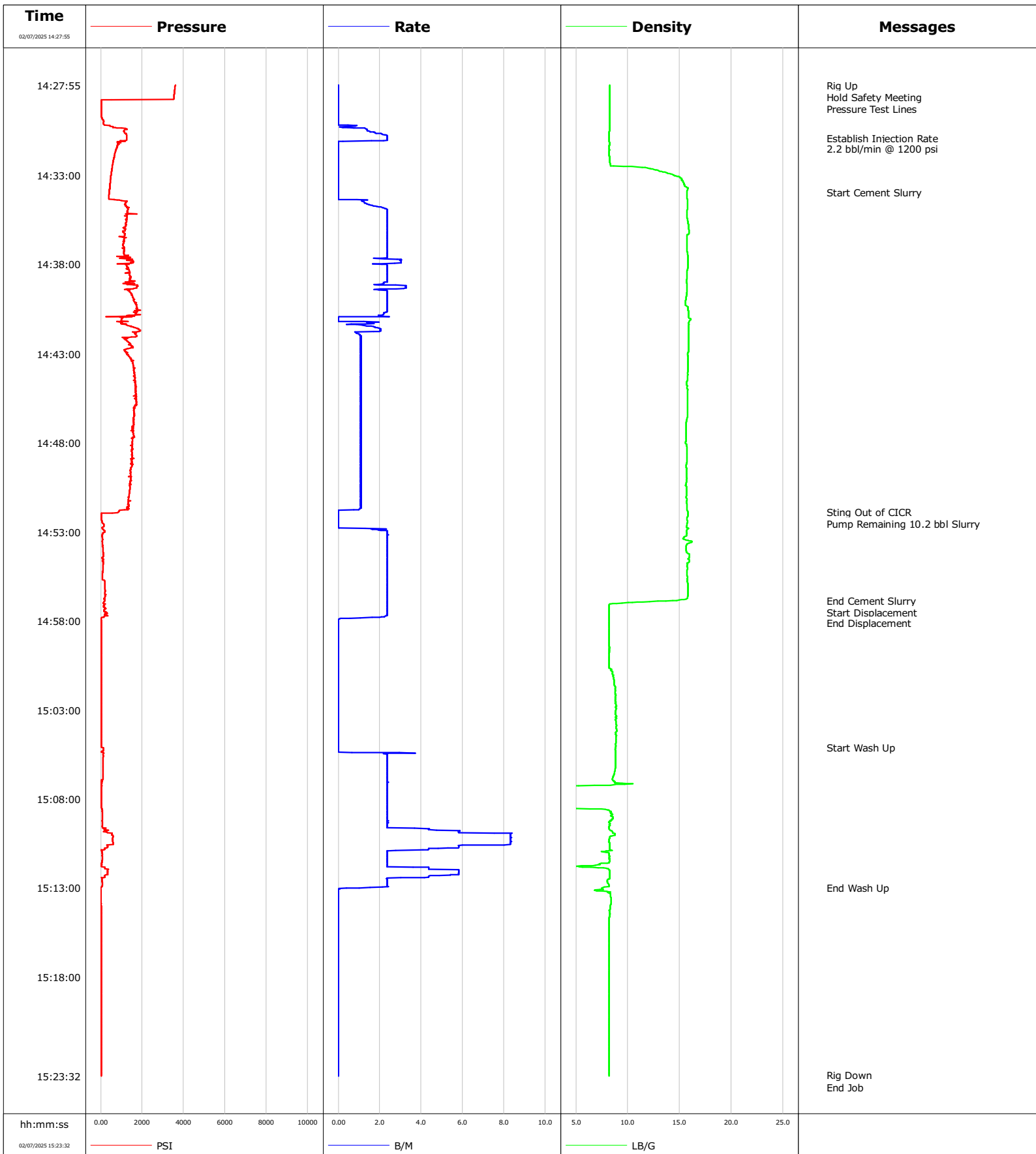
				Customer			Job Number		
				OXY Petroleum			X1R158		
Well		Location (legal)		Schlumberger Location			Job Start		
TUTTLE INVEST CO UN1		40.2432096, -104.8051068		Windsor, Colorado			Feb/06/2025		
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD		
Wattenberg				deg	in	8200.0 ft	8200.0 ft		
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
Converse		Colorado		psi	90 degF	80 degF	lb/gal		
Well Master		API/UWI							
64995153		05-123-15355							
Rig Name	Drilled For	Service Via	Casing/Liner						
Swabco 12	Oil & Gas	Land	Depth, ft		Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type	8187.0	5.5	17.0	N/A	N/A		
	Old	Workover	0.0	0.0	0.0				
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
		lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type		T	4239.0	2.9	6.5	P110	8RD	
Cementing	PA Step #26 Sussex		0.0	0.0	0.0				
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole					
psi	psi	2 7/8" 6.5# T/S		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
Service Instructions Pressure Test : 5000psi Estimated BOC = 4273' ; Estimated TOC = 4196' Cement Type Density = Sussex AGM @ 15.8 ppg Volume = 21bbl ; Sacks = 100sks Yield = 1.18 ft3/sk ; GPS = 5.162 Water : Temp 70;Cl <500 ; pH 7 D907 (G Cement) = 94 lbs/sk BWOB /// B547 (GASBLOK) = .4% BWOB D053 (Gypsum) = 2% BWOB /// D167A (Fluid Loss) = .25% BWOB D065 (Dispersant) = .4% BWOB				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
		Treat Down	Displacement	Packer Type		Packer Depth			
		Tubing	15.4 bbl			ft			
		Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.				
		16.4 bbl	bbl	bbl	bbl				
Casing/Tubing Secured		1 Hole Vol. Circulated prior to Cement		Casing Tools			Squeeze Job		
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>							
Lift Pressure		psi		Shoe Type			Squeeze Type		
Pipe Rotated		Pipe Reciprocated		Shoe Depth			Tool Type		
<input type="checkbox"/>		<input type="checkbox"/>		ft					
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type			Tool Depth		
							ft		
Cement Head Type				Stage Tool Depth			Tail Pipe Size		
				ft			in		
Job Scheduled For		Arrived on Location		Leave Location		Collar Type		Tail Pipe Depth	
Feb/06/2025 11:00		Feb/06/2025 11:00		Feb/06/2025 13:00				ft	
						Collar Depth		Sqz. Total Vol.	
						ft		bbl	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
02/06/2025	11:19:09	-70	0.0	0.01	0.0	Started Acquisition			
02/06/2025	11:24:54	461	0.0	0.03	0.0	Fill lines with H2O			
02/06/2025	11:25:00	1505	0.0	0.13	0.0	Pressure Test Lines (5000psi)			
02/06/2025	11:29:02	2398	0.9	8.28	0.8	Injection Test @ 1bpm			
02/06/2025	11:29:32	2636	2.0	8.27	1.5	Injection Test @ 2bpm			
02/06/2025	11:31:07	-74	0.0	8.26	1.9	Start mixing cement slurry @ 15.8ppg			
02/06/2025	11:33:30	13	0.0	15.91	1.9	Start pumping 21bbbls (100sks) cement			
02/06/2025	11:37:49	40	2.4	15.70	13.7	Rig sting into CICR @ 14.4bbbls away			
02/06/2025	11:40:51	1551	2.0	15.79	19.6	End cement - Start displacement (15.4bbbls)			
02/06/2025	11:47:32	2036	2.0	8.27	32.8	End displacement			
02/06/2025	11:47:43	2018	2.0	8.27	33.2	Rig sting out of CICR			
02/06/2025	11:50:23	-70	0.0	8.27	33.5	Start wash up of cement unit			
02/06/2025	11:57:07	-28	2.0	8.11	47.1	End wash up - Rig down			

Well TUTTLE INVEST CO UN1	Field Wattenberg	Job Start Feb/06/2025	Customer OXY Petroleum	Job Number X1R158
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.1	N2	Mud	Maximum Rate 7.0	Total Slurry 21.0	Mud 0.0	Spacer 0.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4998	Final 0	Average 1835	Bump Plug to	Breakdown	Type FreshWater	Volume 12.3 bbl	Density 8.34 lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 21.0 bbl	Displacement 15.4 bbl	Mix Water Temp 70 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume 0.0 bbl	To ft		
				Washed Thru Perfs <input type="checkbox"/>				
Customer or Authorized Representative Ray Bishop			Schlumberger Supervisor Dustin Krueger		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		

Well	Tuttle Invest Co UN1	Client	Oxy
Field	DJ	SIR No.	1063462.07.44
Engineer	Matt Leiker	Job Type	Sqz
Country	United States	Job Date	02-07-2025



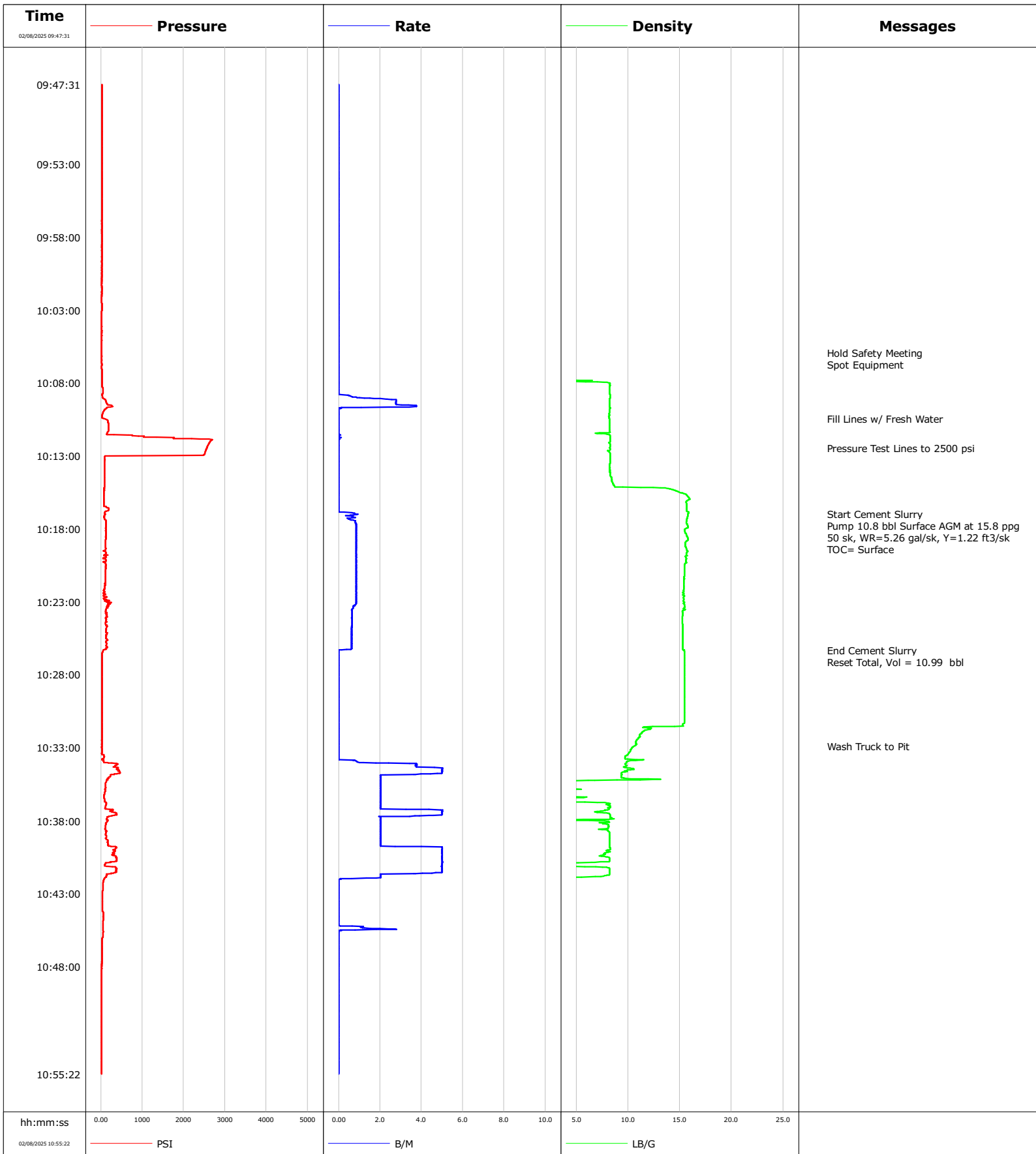
				Customer			Job Number	
				Oxy			1063462.07.44	
Well		Location (legal)			Schlumberger Location			Job Start
Tuttle Invest Co UN1								Feb/07/2025
Field		Formation Name/Type		Deviation	Bit Size		Well MD	Well TVD
DJ				deg	in		ft	ft
County		State/Province		BHP	BHST		BHCT	Pore Press. Gradient
Weld		Colorado		psi	degF		degF	lb/gal
Well Master		API/UWI						
64995153		05-123-15355						
Rig Name		Drilled For	Service Via		Casing/Liner			
Swabco 12		Oil	Land					
		Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone		Well Class	Well Type					
		Old	Workover					
Drilling Fluid Type		Max. Density	Plastic Viscosity		Tubing/Drill Pipe			
		lb/gal	cP					
		T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread	
Service Line		Job Type						
Cementing		Sqz						
		T	1245.0	2.4	4.7	J55	8RD	
		0.0	0.0	0.0				
Max. Allowed Tub. Press		Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole			
psi		psi	2 3/8" 4.7# T/S					
		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval		
Service Instructions		ft	ft			ft		
Pressure Test: 3500 psi		ft	ft			Diameter		in
Estimated BOC = 1275' ; Estimated TOC = 598'		ft	ft					
Cement Type Density = Upper AGM @ 15.8 ppg		ft	ft					
Volume = 35.9 bbl ; Sacks = 165 sks		Treat Down	Displacement	Packer Type	Packer Depth			
Yield = 1.22 ft ³ /sk ; GPS = 5.26		Tubing	2.3 bbl		ft			
Water: Temp 71 ; Cl <500 ; pH 7		Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.			
D907 (G Cement) = 94 lbs/sk WBWOB /// B547 (GASBLOK) = .4% BWOB		bbl	bbl	bbl	bbl			
D053 (Extender) = 4% BWOB /// S001 (Accelerator) = 2.0% BWOB								
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	
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		Arrived on Location	Leave Location		Collar Type			Tail Pipe Depth
Feb/07/2025		Feb/07/2025	Feb/07/2025					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		
02/07/2025	14:27:55	3602	0.0	8.24	0.0	Started Acquisition		
02/07/2025	14:28:08	3579	0.0	8.24	0.0	Pressure Test Lines		
02/07/2025	14:30:54	1244	2.4	8.22	1.1	Establish Injection Rate		
02/07/2025	14:31:30	754	0.0	8.23	1.5	2.2 bbl/min @ 1200 psi		
02/07/2025	14:33:58	411	0.0	15.75	1.5	Start Cement Slurry		
02/07/2025	14:51:53	864	0.0	15.81	28.6	Sting Out of CICR		
02/07/2025	14:51:58	40	0.0	15.81	28.6	Pump Remaining 10.2 bbl Slurry		
02/07/2025	14:56:52	210	2.4	14.35	38.2	End Cement Slurry		
02/07/2025	14:56:54	168	2.4	12.91	38.3	Start Displacement		
02/07/2025	14:58:07	31	0.0	8.23	40.5	End Displacement		
02/07/2025	15:05:05	36	0.0	8.85	40.5	Start Wash Up		
02/07/2025	15:12:59	4	1.0	7.51	65.8	End Wash Up		
02/07/2025	15:23:29	36	0.0	8.22	65.8	Rig Down		

Well Tuttle Invest Co UN1	Field DJ	Job Start Feb/07/2025	Customer Oxy	Job Number 1063462.07.44
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 2.1	N2	Mud	Maximum Rate 8.4	Total Slurry 35.9	Mud 0.0	Spacer 2.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 3602	Final 0	Average 604	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 35.9 bbl	Displacement 2.3 bbl	Mix Water Temp 71 degF	Cement Circulated to Surface? <input type="checkbox"/>	Volume bbl	To ft	Job Completed <input checked="" type="checkbox"/>	
Customer or Authorized Representative Ray Bishop		Schlumberger Supervisor Matt Leiker			Washed Thru Perfs <input type="checkbox"/>	Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>	
					-	-	-	

Well	Tuttle Invest Co UN1	Client	OXY
Field	Wattenberg	SIR No.	A.1063462.07.45
Engineer	Thomas Bailey	Job Type	PA Step #56
Country	United States	Job Date	02-08-2025



				Customer		Job Number	
				OXY		A.1063462.07.45	
Well		Location (legal)		Schlumberger Location		Job Start	
Tuttle Invest Co UN1		Swabco 12		Cheyenne, WY		Feb/08/2025	
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD
Wattenberg				deg	in	8200.0 ft	8200.0 ft
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient
Weld		Colorado		psi	80 degF	80 degF	lb/gal
Well Master		API/UWI					
64995153		05-123-15355					
Rig Name	Drilled For	Service Via	Casing/Liner				
Swabco 12	Oil & Gas	Land					
	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
Offshore Zone	Well Class	Well Type	8187.0	5.5	17.0		
N/a	Old	Workover	0.0	0.0	0.0		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe			
Water		8.34 lb/gal	1.000 cP				
T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread		
	260.0	2.4	4.7				
	0.0	0.0	0.0				
Service Line	Job Type		Perforations/Open Hole				
Cementing	P&A Step #56						
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection	Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval
psi	psi	2 3/8" 4.7# T/S	145.0 ft	149.0 ft			4.0 ft
Service Instructions Pressure Test: 2500 psi Estimated BOC : 300' Estimated TOC = 0' Cement Type D Surface AGM @ 15.8 ppg Volume = 10.8 bbl ; Sacks = 50 sks Yield = 1.22 ft ³ /sk ; GPS = 5.26 Water: Temp 71;Cl <500 ; pH 7 D907 (G Cement) = 94 lbs/sk WBWOB /// B547 (GASBLOK) = .4% BWOB D053 (Extender) = 4% BWOB /// S001 (Accelerator) = 2.5% BWOB			Diameter				
			in				
Casing/Tubing Secured	1 Hole Vol. Circulated prior to Cement	Casing Tools	Displacement	Packer Type	Packer Depth		
<input type="checkbox"/>	<input type="checkbox"/>		0.1 bbl		ft		
Lift Pressure	Shoe Type	Shoe Depth	Tubing Vol.	Casing Vol.	Annular Vol.	Openhole Vol.	
psi		ft	0.1 bbl	9.0 bbl	bbl	bbl	
Pipe Rotated	Pipe Reciprocated	Stage Tool Type	Stage Tool Depth	Tail Pipe Size			
<input type="checkbox"/>	<input type="checkbox"/>		ft	ft	in		
No. Centralizers	Top Plugs	Bottom Plugs	Collar Type	Tail Pipe Depth			
				ft	ft		
Cement Head Type	Job Scheduled For	Arrived on Location	Leave Location	Collar Depth	Sqz. Total Vol.		
	Feb/08/2025 10:00	Feb/08/2025 10:00	Feb/08/2025 12:00	ft	bbl		
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Message		
02/08/2025	09:47:31	27	0.0	0.06	Started Acquisition		
02/08/2025	10:05:56	22	0.0	0.06	Hold Safety Meeting		
02/08/2025	10:10:26	68	0.0	8.19	Fill Lines w/ Fresh Water		
02/08/2025	10:12:27	2563	0.0	8.25	Pressure Test Lines to 2500 psi		
02/08/2025	10:16:57	95	0.8	15.82	Start Cement Slurry		
02/08/2025	10:17:00	118	0.9	15.80	Pump 10.8 bbl Surface AGM at 15.8 ppg		
02/08/2025	10:17:10	86	0.7	15.76	50 sk, WR=5.26 gal/sk, Y=1.22 ft ³ /sk		
02/08/2025	10:17:20	95	0.5	15.71	TOC= Surface		
02/08/2025	10:26:18	68	0.0	15.43	End Cement Slurry		
02/08/2025	10:26:30	45	0.0	15.47	Reset Total, Vol = 10.99 bbl		

Well Tuttle Invest Co UN1	Field Wattenberg	Job Start Feb/08/2025	Customer OXY	Job Number A.1063462.07.45
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Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl			
Slurry 1.8	N2	Mud	Maximum Rate 5.0	Total Slurry 10.9	Mud 0.0	Spacer 1.0	N2	
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 2700	Final 17	Average 118	Bump Plug to	Breakdown	Type	Volume bbl	Density lb/gal	
Avg. N2 Percent %	Designed Slurry Volume 10.8 bbl	Displacement 0.0 bbl	Mix Water Temp 71 degF	Cement Circulated to Surface? <input checked="" type="checkbox"/>	Volume 1.0 bbl	Washed Thru Perfs <input type="checkbox"/>	To ft	
Customer or Authorized Representative Ray Bishop			Schlumberger Supervisor Thomas Bailey		Circulation Lost <input type="checkbox"/>	Job Completed <input checked="" type="checkbox"/>		
					-	-		