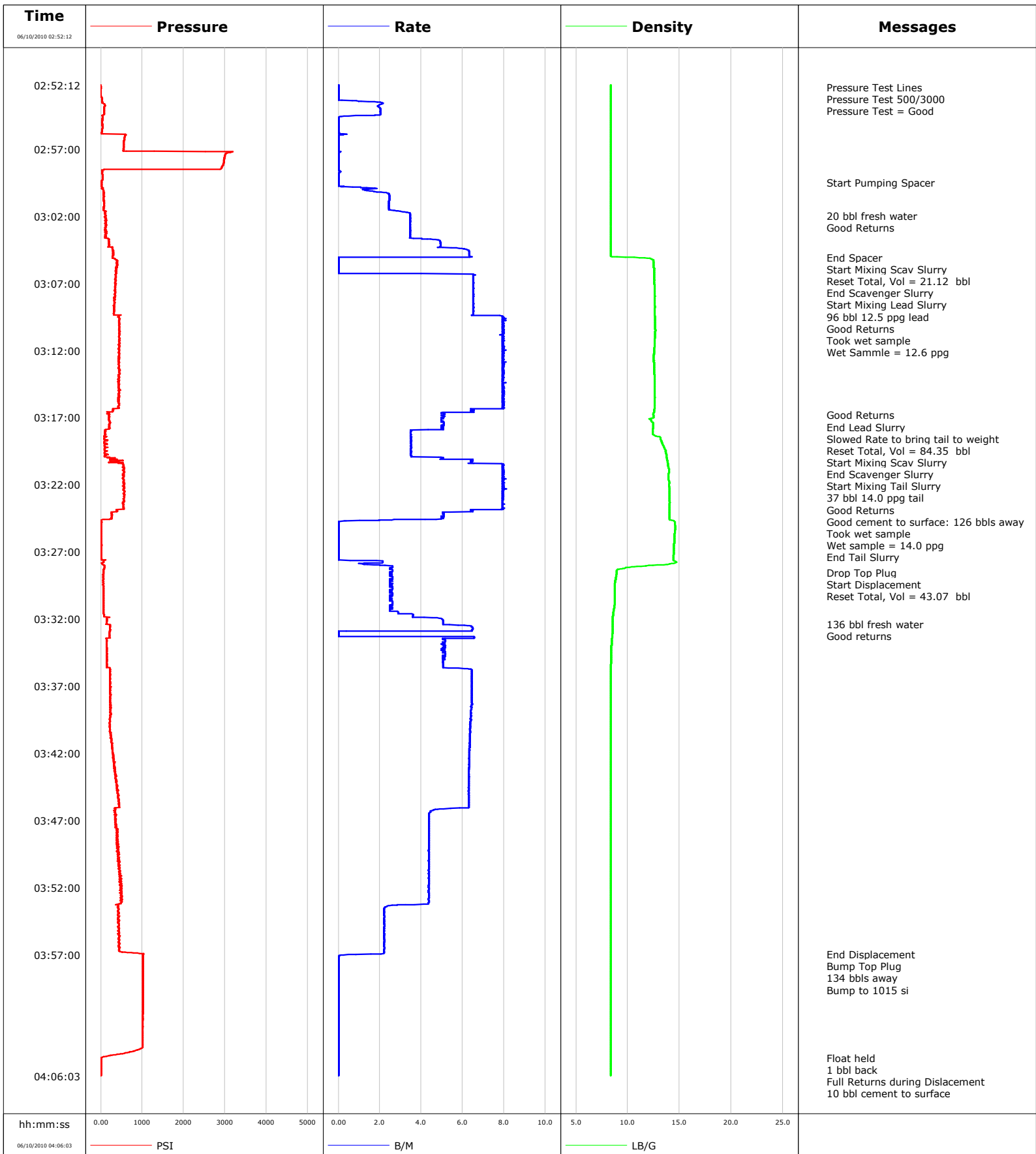


Well	WF03D-27 K22 596	Client	Encana
Field	North Parachute	SIR No.	B2IJ-00162
Engineer	Juan Jose Gomez Valadez	Job Type	9 5/8" Surface Casing
Country	United States	Job Date	06-10-2010





Cementing Service Report

Well				Location (legal)			Schlumberger Location			Job Start					
WF03D-27 K22 596 WF03D-27 K22 596										Jun/10/2010					
Field		Formation Name/Type		Deviation		Bit Size		Well MD		Well TVD					
North Parachute		Shale		0 deg		12.3 in		1974.0 ft		1974.0 ft					
County		State/Province		BHP		BHST		BHCT		Pore Press. Gradient					
Garfield		Colorado				100 degF		86 degF							
Well Master		API/UWI													
0631185817															
Rig Name		Drilled For		Service Via		Casing/Liner									
Patterson 303		Gas		Land		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Offshore Zone		Well Class		Well Type		120.0		16.000		94.5		J55		8RD	
		New		Development		1794.0		9.630		36.0		J55		8RD	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Tubing/Drill Pipe									
Bentonite						Depth,		Size,		Weight,		Grade		Thread	
Service Line		Job Type													
Cementing		9 5/8" Surface Casing													
Max. Allowed Tub. Press		Max. Allowed Ann. Press		WH Connection		Perforations/Open Hole									
				Single Cement head		Top,		Bottom,		No. of Shots		Total Interval			
Service Instructions												Diameter			
						Treat Down		Displacement		Packer Type		Packer Depth			
						Casing		135.6 bbl							
						Tubing Vol.		Casing Vol.		Annular Vol.		Openhole Vol.			
								135.6 bbl		109.0 bbl		256.0 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		890 psi		Shoe Type		Guide		Squeeze Type							
Pipe Rotated		<input type="checkbox"/> Pipe Reciprocated		Shoe Depth		1794.0 ft		Tool Type							
No. Centralizers		Top Plugs		Bottom Plugs		Stage Tool Type				Tool Depth					
		1													
Cement Head Type		Single		Stage Tool Depth				Tail Pipe Size							
Job Scheduled For		Arrived on Location		Leave Location		Collar Type		Diff-Fill		Tail Pipe Depth					
Jun/10/2010		Jun/10/2010		Jun/10/2010											
						Collar Depth		1749.0 ft		Sqz. Total Vol.					
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message									
06/10/2010	01:21:58					Started Acquisition									
06/10/2010	01:28:40					Rig Up per Std 5									
06/10/2010	01:28:40					Held Safety Meeting									
06/10/2010	01:29:45					Start Job									
06/10/2010	02:52:12	-1	0.0	8.36	0.0										
06/10/2010	02:52:21					Pressure Test Lines									
06/10/2010	02:52:21	-1	0.0	8.36	0.0										
06/10/2010	02:52:23					Pressure Test 500/3000									
06/10/2010	02:52:23	1	0.0	8.36	0.0										
06/10/2010	02:52:24					Pressure Test = Good									
06/10/2010	02:52:24	-1	0.0	8.36	0.0										
06/10/2010	02:52:38	-3	0.0	8.36	0.0										
06/10/2010	02:53:58	81	2.0	8.35	1.1										
06/10/2010	02:55:18	38	0.0	8.36	2.2										
06/10/2010	02:56:38	556	0.0	8.36	2.2										
06/10/2010	02:57:58	2968	0.0	8.36	2.2										
06/10/2010	02:59:18	41	0.0	8.35	2.3										
06/10/2010	02:59:30					Start Pumping Spacer									
06/10/2010	02:59:30	15	0.0	8.35	2.3										
06/10/2010	03:00:38	73	2.5	8.35	3.9										
06/10/2010	03:01:58					20 bbl fresh water									

Well		Field		Job Start		Customer		Job Number	
WF03D-27 K22 596 WF03D-27 K22 596		North Parachute		Jun/10/2010		Encana		B2IJ-00162	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/10/2010	03:02:40					Good Returns			
06/10/2010	03:02:40	133	3.5	8.35	9.9				
06/10/2010	03:03:18	135	3.5	8.36	12.1				
06/10/2010	03:04:38	288	6.3	8.35	18.4				
06/10/2010	03:05:03					End Spacer			
06/10/2010	03:05:03	277	6.4	9.79	21.1				
06/10/2010	03:05:07					Start Mixing Scav Slurry			
06/10/2010	03:05:07	285	0.0	11.95	21.1				
06/10/2010	03:05:24					Reset Total, Vol = 21.12 bbl			
06/10/2010	03:05:24	387	0.0	12.50	21.1				
06/10/2010	03:05:31					End Scavenger Slurry			
06/10/2010	03:05:31	373	0.0	12.49	21.1				
06/10/2010	03:05:32					Start Mixing Lead Slurry			
06/10/2010	03:05:32	409	0.0	12.50	21.1				
06/10/2010	03:05:51					96 bbl 12.5 ppg lead			
06/10/2010	03:05:51					Good Returns			
06/10/2010	03:05:51	381	0.0	12.54	21.1				
06/10/2010	03:05:58	380	0.0	12.57	21.1				
06/10/2010	03:07:18	338	6.5	12.59	27.7				
06/10/2010	03:08:38	323	6.5	12.62	36.4				
06/10/2010	03:09:58	432	8.0	12.65	45.9				
06/10/2010	03:10:02					Took wet sample			
06/10/2010	03:10:02	459	7.9	12.65	46.4				
06/10/2010	03:10:30					Wet Sammle = 12.6 ppg			
06/10/2010	03:10:30	433	8.0	12.68	50.1				
06/10/2010	03:11:18	444	7.9	12.60	56.5				
06/10/2010	03:12:38	455	7.9	12.51	67.1				
06/10/2010	03:13:58	447	7.9	12.59	77.7				
06/10/2010	03:15:18	429	8.0	12.60	88.3				
06/10/2010	03:16:38	193	5.1	12.53	98.5				
06/10/2010	03:16:48					Good Returns			
06/10/2010	03:16:48	198	5.1	12.48	99.3				
06/10/2010	03:17:06					End Lead Slurry			
06/10/2010	03:17:06	192	5.0	12.09	100.8				
06/10/2010	03:17:22					Slowed Rate to bring tail to weight			
06/10/2010	03:17:22	225	5.1	12.43	102.2				
06/10/2010	03:17:58	114	3.5	12.41	105.1				
06/10/2010	03:18:04					Reset Total, Vol = 84.35 bbl			
06/10/2010	03:18:04	118	3.5	12.41	105.5				
06/10/2010	03:18:09					Start Mixing Scav Slurry			
06/10/2010	03:18:09	98	3.5	12.41	105.8				
06/10/2010	03:19:18	95	3.5	13.54	109.8				
06/10/2010	03:20:13					End Scavenger Slurry			
06/10/2010	03:20:13	542	6.5	13.81	113.6				
06/10/2010	03:20:14					Start Mixing Tail Slurry			
06/10/2010	03:20:14	484	6.4	13.82	113.7				
06/10/2010	03:20:16					37 bbl 14.0 ppg tail			
06/10/2010	03:20:16					Good Returns			
06/10/2010	03:20:16	447	6.4	13.81	113.9				
06/10/2010	03:20:17					Good cement to surface: 126 bbls away			
06/10/2010	03:20:17	234	6.4	13.82	114.0				
06/10/2010	03:20:38	556	7.9	13.90	116.6				
06/10/2010	03:21:58	567	7.9	14.00	127.2				
06/10/2010	03:22:38					Took wet sample			

Well		Field		Job Start	Customer	Job Number
WF03D-27 K22 596 WF03D-27 K22 596		North Parachute		Jun/10/2010	Encana	B2IJ-00162
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message
06/10/2010	03:22:40					Wet sample = 14.0 ppg
06/10/2010	03:22:40	553	7.9	14.02	132.7	
06/10/2010	03:23:18	560	7.9	14.05	137.8	
06/10/2010	03:24:38					End Tail Slurry
06/10/2010	03:24:38	13	2.6	14.09	146.3	
06/10/2010	03:25:58	7	0.0	14.50	146.4	
06/10/2010	03:27:18	10	0.0	14.42	146.4	
06/10/2010	03:28:32					Drop Top Plug
06/10/2010	03:28:32	60	2.5	8.92	148.3	
06/10/2010	03:28:34					Start Displacement
06/10/2010	03:28:34	61	2.6	8.93	148.4	
06/10/2010	03:28:37					Reset Total, Vol = 43.07 bbl
06/10/2010	03:28:37	62	2.5	8.93	148.5	
06/10/2010	03:28:38	63	2.5	8.92	148.6	
06/10/2010	03:29:58	69	2.5	8.72	152.0	
06/10/2010	03:31:18	62	2.5	8.65	155.4	
06/10/2010	03:32:25					136 bbl fresh water
06/10/2010	03:32:25					Good returns
06/10/2010	03:32:25	129	5.1	8.55	159.8	
06/10/2010	03:32:38	218	6.5	8.56	161.2	
06/10/2010	03:33:58	138	5.1	8.43	166.4	
06/10/2010	03:35:18	138	5.1	8.38	173.2	
06/10/2010	03:36:38	222	6.4	8.37	181.2	
06/10/2010	03:37:58	229	6.4	8.35	189.8	
06/10/2010	03:39:18	230	6.4	8.36	198.4	
06/10/2010	03:40:38	241	6.4	8.36	206.9	
06/10/2010	03:41:58	294	6.3	8.36	215.4	
06/10/2010	03:43:18	335	6.3	8.36	223.8	
06/10/2010	03:44:38	387	6.3	8.36	232.2	
06/10/2010	03:45:58	437	6.3	8.36	240.6	
06/10/2010	03:47:18	375	4.4	8.36	246.8	
06/10/2010	03:48:38	407	4.4	8.36	252.6	
06/10/2010	03:49:58	427	4.4	8.36	258.4	
06/10/2010	03:51:18	483	4.4	8.36	264.2	
06/10/2010	03:52:38	478	4.4	8.36	270.0	
06/10/2010	03:53:58	425	2.2	8.36	274.5	
06/10/2010	03:55:18	449	2.2	8.36	277.4	
06/10/2010	03:56:38	429	2.2	8.36	280.3	
06/10/2010	03:56:59					End Displacement
06/10/2010	03:56:59	1004	1.6	8.36	281.1	
06/10/2010	03:57:08					Bump Top Plug
06/10/2010	03:57:08	1016	0.0	8.36	281.2	
06/10/2010	03:57:10					134 bbls away
06/10/2010	03:57:10					Bump to 1015 si
06/10/2010	03:57:10	1015	0.0	8.36	281.2	
06/10/2010	03:57:58	1015	0.0	8.36	281.2	
06/10/2010	03:59:18	1014	0.0	8.36	281.2	
06/10/2010	04:00:38	1013	0.0	8.36	281.2	
06/10/2010	04:01:58	1011	0.0	8.36	281.2	
06/10/2010	04:03:18	1011	0.0	8.36	281.2	
06/10/2010	04:04:38	68	0.0	8.36	281.2	
06/10/2010	04:04:42					Float held
06/10/2010	04:04:42	11	0.0	8.36	281.2	
06/10/2010	04:04:43					1 bbl back

Well WF03D-27 K22 596 WF03D-27 K22 596		Field North Parachute		Job Start Jun/10/2010		Customer Encana		Job Number B2IJ-00162	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
06/10/2010	04:05:40					Full Returns during Displacement			
06/10/2010	04:05:40					10 bbl cement to surface			
06/10/2010	04:05:40	6	0.0	8.36	281.2				
06/10/2010	04:05:58	6	0.0	8.36	281.2				

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate		Total Slurry 133.0	Mud 0.0	Spacer 20.0	N2	
Treating Pressure Summary,					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Type		Volume		Density
Avg. N2 Percent	Designed Slurry Volume		Displacement 135.6 bbl	Mix Water Temp		Cement Circulated to Surface? <input type="checkbox"/>		Volume	
						Washed Thru Perfs <input type="checkbox"/>		To	
Customer or Authorized Representative Steve Record			Schlumberger Supervisor Ryan Bowditch			Circulation Lost <input type="checkbox"/>		Job Completed <input type="checkbox"/>	
						-		-	



Service Order for i-District Job 347445

Customer Name: ENCANA USA - PARACHUTE FIELD OFC	Person Taking Call: Strickler, Nikole	Location: Grand Junction, CO WS	Order Date:	Job Number: 347445		
Service Order Number: B2IJ-00162	Service Line: Cementing	Supervisor: Strickler, Nikole	Legal Location:			
Well Name and Number: WF03D-27 K22 596	Pad/Platform: K22	Field: North Parachute	County: GARFIELD	State/Prov: CO		
Well Master Number: 0631185817	API/UWI:	Rig Name: PATTERSON 303	Well Age: NEW	Sales Engineer: Hudson, Matthew		
Job Type: Cementing – 9 5/8" Surface Casing	Time Well Ready:	Deviation: 0 deg	Hole Size: 12.25 in	Well MD: 1800 ft		
Well TVD: 1800 ft	BHP:	BHST: 100 °F	BHCT: 86 °F	Treat Down: None		
Packer Type:	Packer Depth:	Well Head Connection:	HHP on Location:	Max Allowed Pressure:		
Max Allowed Ann Pressure:		Job Stage Number:	FTL Ticket/Quote Number : B2IJ-00162			
Casing/Tubing			Service Instructions:			
String Type	Depth	Size	Weight	Grade	Thread	Cement 9 5/8" casing @ 1800 FT
Casing	120 ft	16 in	94.5 lb/ft			
Casing	1800 ft	9.63 in	36 lb/ft			
Perforations						12 1/4 Open hole with 25% Excess
Top	Bottom	SPF	No of Shots	Formation Name		
Total Interval: 0			Diameter:			20 bbl water
Coiled Tubing						258 sks 12.5 ppg NPR lead (TOL 0ft) 136 sks 14.0 ppg NPR tail (TOT 1273 ft) Displace with water
Size	Thickness	Length	String ID	Reel ID		
Client Contact						
Name	Voice	Fax	Email	Title	Company	Notes
Floyd Roberts						
Notes:						
Directions:						

Materials				
Name	Code	Description	Quantity	Density
12.5ppg Surface Lead		G + 2%D79 + 0.2%D46 + 0.25pps D29		
14.0ppg N Parachute Surf Tail		G + 1%D79 + 0.2%D46 + 0.25pps D29		

Fluid Systems:

12.5ppg Surface Lead				
G + 2%D79 + 0.2%D46 + 0.25pps D29				
Sacks Of:	Cement		<i>Total Blend/Cem:</i>	24,252.00 lb
Sack Weight:	94.00 lb		<i>Dry Blend Code:</i>	
Yield:	2.09 ft3/sk		<i>Final Fluid Density:</i>	
Mix Water:	11.96 ft3/sk		<i>Base Fluid Den:</i>	
Mix Fluid:	11.96 ft3/sk		<i>Volume:</i>	
Mix Water Den:	8.32 lb/gal		<i>Base Fluid Vol:</i>	
Sacks Blend/Cem:	258.00 sks		<i>Acid Volume:</i>	
Total Mix Water:	87.38 m3		<i>Acid Conc:</i>	
Total Mix Fluid:	87.38 m3			
				Load out Excess
Code	Conc	Design	Total by design	Load out with excess
D907	94.000 lb/sk	WTSK	24,252.00 lb	24,252.00 lb
D079	1.880 lb/sk	WTSK	485.04 lb	485.04 lb
D046	0.188 lb/sk	WTSK	48.50 lb	48.50 lb
D029	0.250 lb/sk	WTSK	64.50 lb	64.50 lb

14.0ppg N Parachute Surf Tail				
G + 1%D79 + 0.2%D46 + 0.25pps D29				
Sacks Of:	Cement		<i>Total Blend/Cem:</i>	12,972.00 lb
Sack Weight:	94.00 lb		<i>Dry Blend Code:</i>	
Yield:	1.53 ft3/sk		<i>Final Fluid Density:</i>	
Mix Water:	7.77 ft3/sk		<i>Base Fluid Den:</i>	
Mix Fluid:	7.77 ft3/sk		<i>Volume:</i>	
Mix Water Den:	8.32 lb/gal		<i>Base Fluid Vol:</i>	
Sacks Blend/Cem:	138.00 sks		<i>Acid Volume:</i>	
Total Mix Water:	30.36 m3		<i>Acid Conc:</i>	
Total Mix Fluid:	30.36 m3			
				Load out Excess
Code	Conc	Design	Total by design	Load out with excess
D907	94.000 lb/sk	WTSK	12,972.00 lb	12,972.00 lb
D079	0.940 lb/sk	WTSK	129.72 lb	129.72 lb
D046	0.188 lb/sk	WTSK	25.94 lb	25.94 lb

D029	0.250 lb/sk	WTSK	34.50 lb	34.50 lb
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