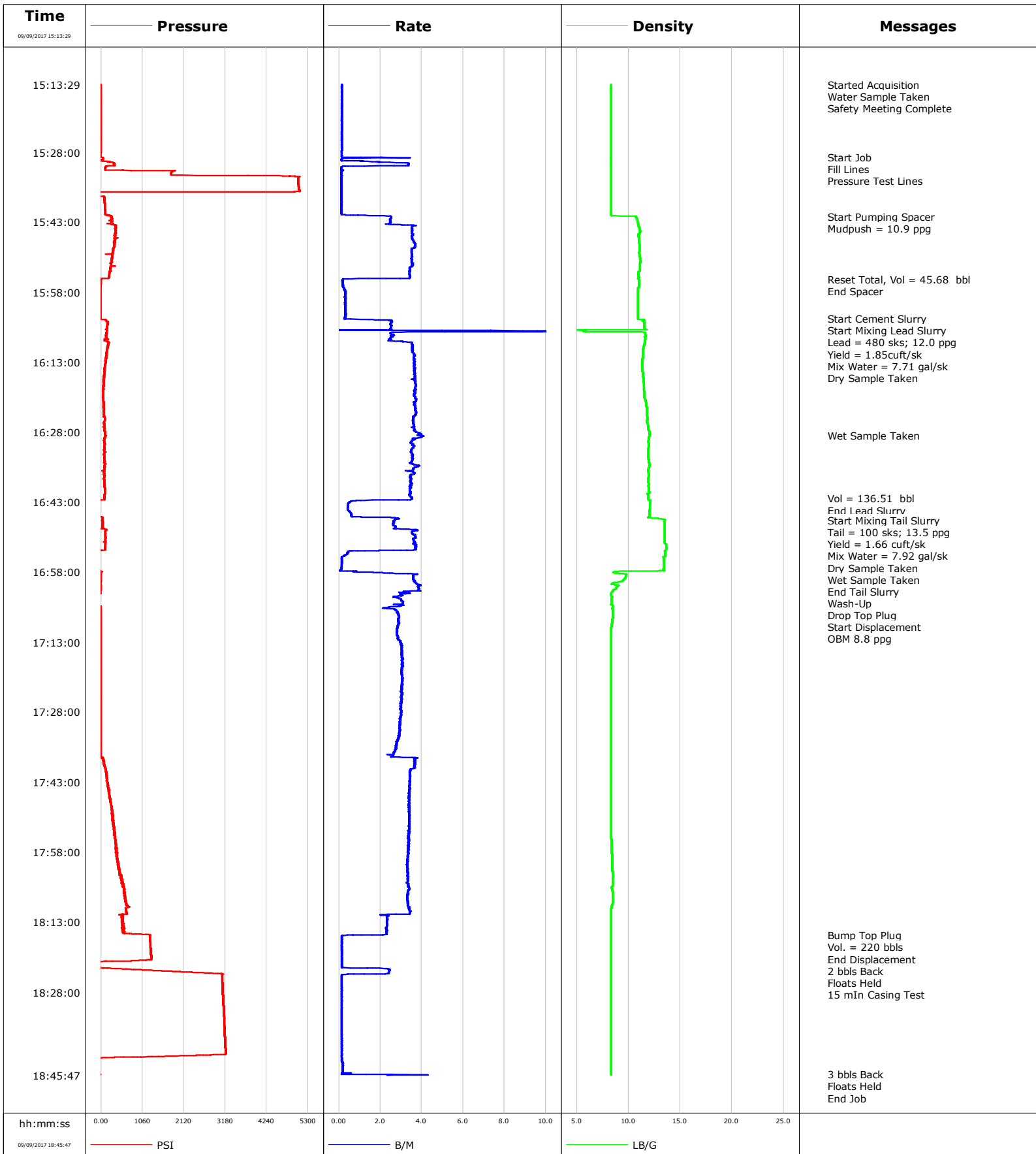


Well	NORDEN27C-14HZ	Client	ANADARKO PETROLEUM COMPANY (ED)
Field	Wattenberg	SIR No.	D8WD-00558
Engineer	Michael Lopez	Job Type	7" Intermediate
Country	United States	Job Date	09-09-2017



				Customer			Job Number		
				ANADARKO PETROLEUM COMPANY (ED)			D8WD-00558		
Well		Location (legal)			Schlumberger Location		Job Start		
NORDEN27C-14HZ 0631692269					Cheyenne, WY		Sep/09/2017		
Field		Formation Name/Type		Deviation	Bit Size	Well MD	Well TVD		
Wattenberg				deg	8.5 in	5789.0 ft	5722.0 ft		
County		State/Province		BHP	BHST	BHCT	Pore Press. Gradient		
Weld		Colorado		psi	217 degF	165 degF	lb/gal		
Well Master		API/UWI							
0631692269		05123435710000							
Rig Name	Drilled For	Service Via	Casing/Liner						
Xtreme 24	Oil & Gas	Land	Depth, ft		Size, in	Weight, lb/ft	Grade	Thread	
Offshore Zone	Well Class	Well Type	1901.0	9.6	36.0	J55	8RD		
	New	Exploration	5789.0	7.0	26.0	N80	8RD		
Drilling Fluid Type		Max. Density	Plastic Viscosity	Tubing/Drill Pipe					
OBM		8.80 lb/gal	cP	T/D	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Service Line	Job Type								
Cementing	7" Intermediate								
Max. Allowed Tub. Press	Max. Allowed Ann. Press	WH Connection		Perforations/Open Hole					
psi	psi	7" 8rnd		Top, ft	Bottom, ft	shot/ft	No. of Shots	Total Interval	
				ft	ft			ft	
				ft	ft			Diameter	
				ft	ft			in	
		Treat Down	Displacement		Packer Type		Packer Depth		
		Casing	220.0 bbl				ft		
		Tubing Vol.	Casing Vol.		Annular Vol.		Openhole Vol.		
		bbl	222.0 bbl		144.0 bbl		88.0 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		psi		Shoe Type		Squeeze Type			
				Float					
Pipe Rotated		Pipe Reciprocated		Shoe Depth		Tool Type			
<input type="checkbox"/>		<input type="checkbox"/>		2789.0 ft					
No. Centralizers		Top Plugs	Bottom Plugs	Stage Tool Type		Tool Depth			
		1	1			ft			
Cement Head Type		Double		Stage Tool Depth		Tail Pipe Size			
				ft		in			
Job Scheduled For		Arrived on Location	Leave Location	Collar Type		Tail Pipe Depth			
Sep/08/2017 14:30		Sep/08/2017 14:30	Sep/09/2017 20:00	Float		ft			
				Collar Depth		Sqz. Total Vol.			
				5747.0 ft		bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/09/2017	15:13:29	-11	0.2	8.31	0.0	Started Acquisition			
09/09/2017	15:13:30	-11	0.1	8.31	0.0	Water Sample Taken			
09/09/2017	15:13:31	-11	0.1	8.31	0.0	Safety Meeting Complete			
09/09/2017	15:15:09	-11	0.1	8.31	0.2				
09/09/2017	15:16:49	-11	0.1	8.31	0.5				
09/09/2017	15:18:29	-12	0.1	8.31	0.7				
09/09/2017	15:20:09	-12	0.1	8.32	1.0				
09/09/2017	15:21:49	-12	0.2	8.31	1.2				
09/09/2017	15:23:29	-11	0.1	8.31	1.5				
09/09/2017	15:25:09	-11	0.1	8.31	1.7				
09/09/2017	15:26:49	-12	0.1	8.31	2.0				
09/09/2017	15:28:29	-13	0.1	8.31	2.2				
09/09/2017	15:29:01	-14	0.1	8.31	2.3	Start Job			
09/09/2017	15:29:05	-14	0.1	8.31	2.3	Fill Lines			
09/09/2017	15:30:09	192	1.9	8.31	3.2				
09/09/2017	15:31:49	111	0.1	8.32	5.9				
09/09/2017	15:33:03	4175	0.2	8.32	6.1	Pressure Test Lines			
09/09/2017	15:33:29	5045	0.1	8.32	6.1				
09/09/2017	15:35:09	5052	0.1	8.32	6.3				
09/09/2017	15:36:49	-44	0.1	8.32	6.5				
09/09/2017	15:38:29	86	0.1	8.32	6.7				

Well		Field		Job Start		Customer		Job Number	
NORDEN27C-14HZ 0631692269		Wattenberg		Sep/09/2017		ANADARKO PETROLEUM COMPANY (ED		D8WD-00558	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/09/2017	15:41:48	268	2.5	10.72	7.7	Start Pumping Spacer			
09/09/2017	15:41:49	252	2.5	10.72	7.7	Mudpush = 10.9 ppg			
09/09/2017	15:43:29	296	2.6	10.97	11.8				
09/09/2017	15:45:09	370	3.5	11.12	17.7				
09/09/2017	15:46:49	356	3.6	11.02	23.6				
09/09/2017	15:48:29	326	3.7	11.03	29.7				
09/09/2017	15:50:09	282	3.5	11.06	35.5				
09/09/2017	15:51:49	237	3.6	11.10	41.4				
09/09/2017	15:53:29	274	3.4	11.09	47.2				
09/09/2017	15:55:09	4	0.4	10.92	52.7				
09/09/2017	15:55:16	-4	0.2	11.02	52.7	Reset Total, Vol = 45.68 bbl			
09/09/2017	15:55:18	-4	0.2	11.02	52.7	End Spacer			
09/09/2017	15:56:49	-14	0.2	11.03	53.0				
09/09/2017	15:58:29	-19	0.3	10.91	53.5				
09/09/2017	16:00:09	-21	0.3	10.91	54.0				
09/09/2017	16:01:49	-21	0.3	10.92	54.5				
09/09/2017	16:03:29	-24	0.3	10.91	55.0				
09/09/2017	16:03:38	-24	0.3	10.91	55.1	Start Cement Slurry			
09/09/2017	16:05:09	163	2.5	11.52	58.3				
09/09/2017	16:05:19	156	2.5	11.54	58.8	Start Mixing Lead Slurry			
09/09/2017	16:05:24	153	2.5	11.55	59.0	Lead = 480 sks; 12.0 ppg			
09/09/2017	16:05:25	159	2.5	11.55	59.0	Mix Water = 7.71 gal/sk			
09/09/2017	16:05:26	158	2.5	11.55	59.1	Dry Sample Taken			
09/09/2017	16:06:49	146	2.5	11.58	64.4				
09/09/2017	16:08:29	151	2.9	11.59	68.6				
09/09/2017	16:10:09	154	3.5	11.41	74.4				
09/09/2017	16:11:49	137	3.6	11.39	80.4				
09/09/2017	16:13:29	110	3.7	11.33	86.5				
09/09/2017	16:15:09	91	3.6	11.37	92.6				
09/09/2017	16:16:49	65	3.7	11.44	98.7				
09/09/2017	16:18:29	64	3.7	11.48	104.8				
09/09/2017	16:20:09	57	3.6	11.51	110.9				
09/09/2017	16:21:49	62	3.7	11.72	117.1				
09/09/2017	16:23:29	68	3.7	11.77	123.2				
09/09/2017	16:25:09	96	3.6	11.80	129.3				
09/09/2017	16:26:49	81	3.6	11.90	135.3				
09/09/2017	16:28:29	103	4.0	12.00	141.5				
09/09/2017	16:28:37	102	3.9	12.07	142.0	Wet Sample Taken			
09/09/2017	16:30:09	80	3.5	11.92	147.7				
09/09/2017	16:31:49	76	3.5	11.90	153.7				
09/09/2017	16:33:29	87	3.5	11.94	159.5				
09/09/2017	16:35:09	85	3.9	12.03	165.5				
09/09/2017	16:36:49	82	3.7	11.95	171.5				
09/09/2017	16:38:29	82	3.5	11.92	177.3				
09/09/2017	16:40:09	97	3.4	11.96	183.1				
09/09/2017	16:41:49	80	3.5	11.92	188.8				
09/09/2017	16:42:11	88	3.5	11.93	190.1	Vol = 136.51 bbl			
09/09/2017	16:42:32	-42	2.9	11.99	191.3	End Lead Slurry			
09/09/2017	16:43:29	-42	0.4	12.07	191.9				
09/09/2017	16:45:09	-41	0.5	12.02	192.7				
09/09/2017	16:46:49	33	2.7	13.48	195.0				
09/09/2017	16:46:55	33	2.7	13.48	195.3	Start Mixing Tail Slurry			
09/09/2017	16:47:07	44	2.7	13.49	195.8	Tail = 100 sks; 13.5 ppg			
09/09/2017	16:47:09	37	2.7	13.49	195.9	Mix Water = 7.92 gal/sk			

Well		Field		Job Start		Customer		Job Number	
NORDEN27C-14HZ 0631692269		Wattenberg		Sep/09/2017		ANADARKO PETROLEUM COMPANY (ED		D8WD-00558	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/09/2017	16:49:14	105	3.6	13.49	201.9	Dry Sample Taken			
09/09/2017	16:50:09	116	3.7	13.49	205.2				
09/09/2017	16:51:49	105	3.7	13.50	211.3				
09/09/2017	16:53:28	-49	0.6	13.52	217.1	End Tail Slurry			
09/09/2017	16:53:29	-49	0.5	13.52	217.1				
09/09/2017	16:53:31	-49	0.4	13.52	217.1	Wash-Up			
09/09/2017	16:55:09	-46	0.1	13.38	217.6				
09/09/2017	16:56:49	-45	0.1	13.40	217.8				
09/09/2017	16:57:47	-51	0.7	10.22	217.9	Drop Top Plug			
09/09/2017	16:57:48	-33	0.9	9.49	217.9	Start Displacement			
09/09/2017	16:58:29	-4	3.8	9.80	219.4				
09/09/2017	17:00:09	-11	3.7	9.02	225.4				
09/09/2017	17:01:14	-9	3.8	8.84	229.5	OBM 8.8 ppg			
09/09/2017	17:01:49	-12	3.8	8.55	231.8				
09/09/2017	17:03:29	-34	2.9	8.38	237.0				
09/09/2017	17:05:09	-31	3.1	8.47	242.0				
09/09/2017	17:06:49	-9	2.8	8.46	246.5				
09/09/2017	17:08:29	-9	2.9	8.44	251.3				
09/09/2017	17:10:09	-10	2.8	8.34	256.1				
09/09/2017	17:11:49	-10	2.9	8.33	260.7				
09/09/2017	17:13:29	-11	3.0	8.33	265.6				
09/09/2017	17:15:09	-10	3.1	8.33	270.7				
09/09/2017	17:16:49	-10	3.0	8.33	275.7				
09/09/2017	17:18:29	-11	3.0	8.33	280.8				
09/09/2017	17:20:09	-9	3.1	8.32	285.9				
09/09/2017	17:21:49	-10	3.0	8.33	291.0				
09/09/2017	17:23:29	-10	3.0	8.33	296.0				
09/09/2017	17:25:09	-11	3.0	8.33	301.1				
09/09/2017	17:26:49	-10	3.0	8.33	306.1				
09/09/2017	17:28:29	-10	3.0	8.34	311.1				
09/09/2017	17:30:09	-10	2.9	8.34	316.0				
09/09/2017	17:31:49	-10	2.9	8.34	320.9				
09/09/2017	17:33:29	-9	2.9	8.34	325.8				
09/09/2017	17:35:09	-10	2.8	8.33	330.5				
09/09/2017	17:36:49	-9	2.6	8.33	335.0				
09/09/2017	17:38:29	73	3.7	8.33	340.2				
09/09/2017	17:40:09	119	3.5	8.33	346.3				
09/09/2017	17:41:49	145	3.4	8.32	352.0				
09/09/2017	17:43:29	167	3.4	8.32	357.7				
09/09/2017	17:45:09	197	3.4	8.32	363.4				
09/09/2017	17:46:49	232	3.4	8.32	369.1				
09/09/2017	17:48:29	268	3.4	8.32	374.7				
09/09/2017	17:50:09	304	3.4	8.32	380.4				
09/09/2017	17:51:49	312	3.4	8.32	386.0				
09/09/2017	17:53:29	349	3.4	8.34	391.7				
09/09/2017	17:55:09	362	3.4	8.35	397.3				
09/09/2017	17:56:49	379	3.4	8.40	402.9				
09/09/2017	17:58:29	404	3.3	8.40	408.5				
09/09/2017	18:00:09	431	3.3	8.42	414.0				
09/09/2017	18:01:49	469	3.3	8.43	419.5				
09/09/2017	18:03:29	528	3.3	8.47	425.1				
09/09/2017	18:05:09	555	3.4	8.47	430.6				
09/09/2017	18:06:49	601	3.4	8.47	436.2				
09/09/2017	18:08:29	623	3.3	8.48	441.7				

Well		Field		Job Start		Customer		Job Number	
NORDEN27C-14HZ 0631692269		Wattenberg		Sep/09/2017		ANADARKO PETROLEUM COMPANY (ED		D8WD-00558	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message			
09/09/2017	18:11:49	522	2.3	8.32	452.4				
09/09/2017	18:13:29	549	2.3	8.32	456.3				
09/09/2017	18:15:09	579	2.3	8.33	460.1				
09/09/2017	18:15:44	1257	1.6	8.32	461.5	Bump Top Plug			
09/09/2017	18:15:45	1261	1.1	8.32	461.5	Vol. = 220 bbls			
09/09/2017	18:16:49	1251	0.1	8.32	461.7				
09/09/2017	18:18:29	1267	0.1	8.33	461.9				
09/09/2017	18:20:09	1281	0.1	8.33	462.2				
09/09/2017	18:20:54	1288	0.1	8.33	462.3	End Displacement			
09/09/2017	18:21:40	-72	0.1	8.33	462.4	2 bbls Back			
09/09/2017	18:21:49	-72	0.1	8.33	462.4				
09/09/2017	18:22:10	-66	0.1	8.33	462.4	Floats Held			
09/09/2017	18:23:25	1538	2.4	8.33	463.9	15 mIn Casing Test			
09/09/2017	18:23:29	1687	2.4	8.33	464.1				
09/09/2017	18:25:09	3104	0.1	8.33	465.8				
09/09/2017	18:26:49	3110	0.1	8.33	466.0				
09/09/2017	18:28:29	3119	0.1	8.33	466.2				
09/09/2017	18:30:09	3128	0.1	8.33	466.4				
09/09/2017	18:31:49	3137	0.1	8.33	466.7				
09/09/2017	18:33:29	3147	0.1	8.33	466.9				
09/09/2017	18:35:09	3156	0.1	8.33	467.1				
09/09/2017	18:36:49	3166	0.1	8.33	467.4				
09/09/2017	18:38:29	3174	0.1	8.33	467.6				
09/09/2017	18:40:09	3183	0.1	8.33	467.8				
09/09/2017	18:41:49	1476	0.1	8.33	468.1				
09/09/2017	18:43:29	-67	0.2	8.32	468.3				
09/09/2017	18:45:09	-68	0.2	8.32	468.6				
09/09/2017	18:45:35	-72	0.1	8.33	468.7	3 bbls Back			
09/09/2017	18:45:36	-66	0.1	8.33	468.7	Floats Held			

Post Job Summary

Average Pump Rates, bbl/min				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2.2			10.5	151.0	0.0	40.0	
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
3000	3000	1807	3000			bbl	lb/gal
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	
%	0.0 bbl		220.0 bbl	65 degF	<input type="checkbox"/>	bbl	
Customer or Authorized Representative				Schlumberger Supervisor		Washed Thru Perfs	To
John Truett				Michael Lopez		<input type="checkbox"/>	ft
				Circulation Lost		<input checked="" type="checkbox"/>	Job Completed
						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>