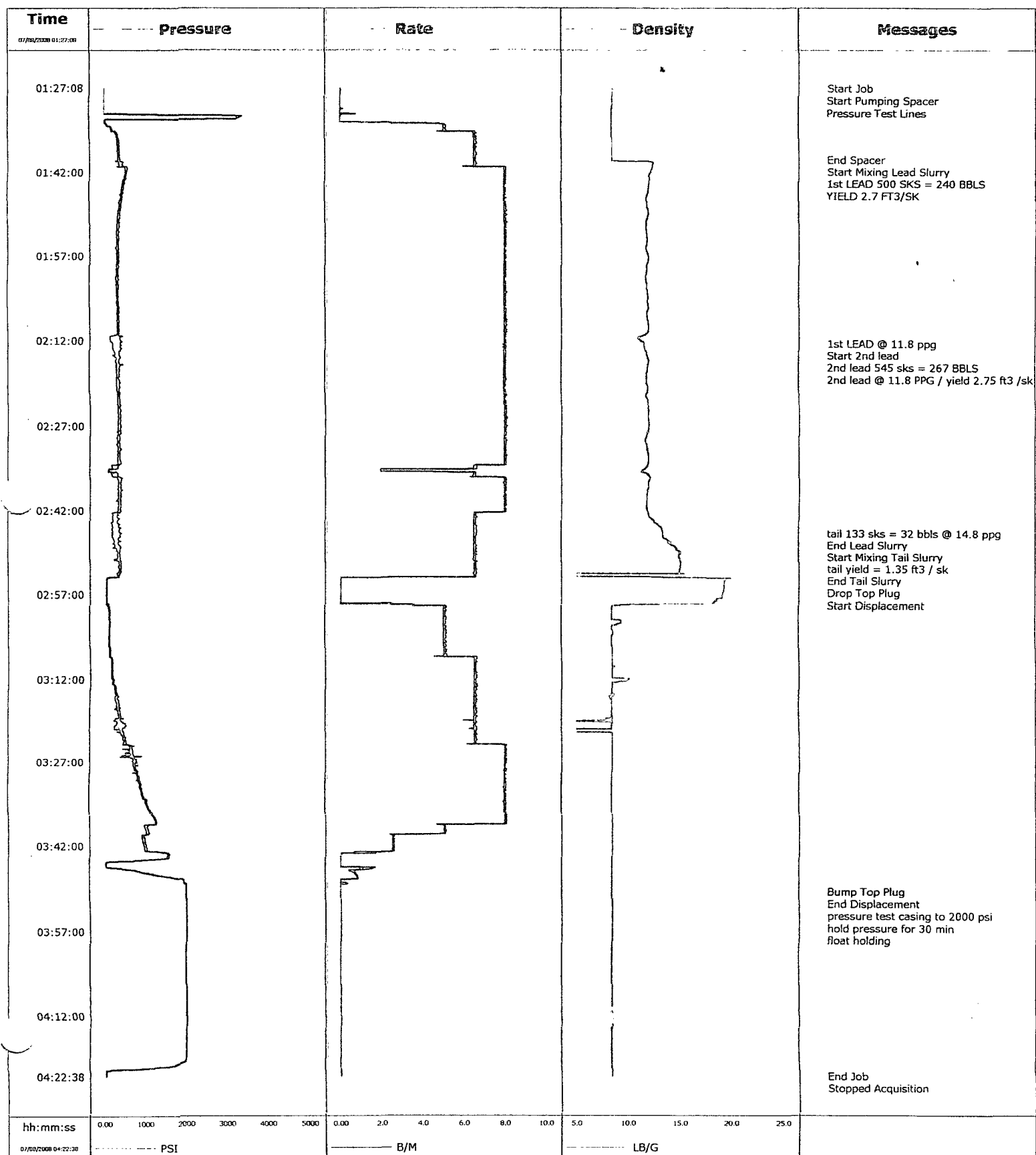


BLM

Well	WEBB 3 - 23	Client	SHELL OIL COMPANY
Field		SIR No.	
Engineer	30-019-20135	Job Type	CEM INTERMEDIATE CASING
Country	United States	Job Date	07-08-2008



Customer Shell oil company				Job Number 2201756970			
Webb 3-23		Location (legal)		Schlumberger Location Hobbs		Job Start Jul/08/2008	
Field Wildcat		Formation Name/Type		Deviation		Well MD 5905.0 ft	
County Guadalupe		State/Province New Mexico		BHP		Well TVD 5905.0 ft	
Well Master 0631034156		API/UWI		BHST		Pore Press. Gradient	
Rig Name Nabors M45		Drilled For Oil		Service Via Land		Casing/Liner	
Offshore Zone		Well Class New		Well Type New Well Completion		Depth, ft	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Size, in	
Service Line Cementing		Job Type Com Interm Casing		Weight, lb/ft		Grade	
Max. Allowed Tubing Press		Max. Allowed Ann. Press		Wellhead Connection Single Cement head		Thread	
Service Instructions		Perforations/Open Hole		Depth, ft		Size, in	
		Top, Bottom, No. of Shots, Total Interval		Weight, lb/ft		Grade	
		Diameter		Weight, lb/ft		Grade	
		Treat Down Casing		Displacement 268.0 bbl		Packer Type	
		Tubing Vol.		Casing Vol. 270.0 bbl		Annular Vol. 507.0 bbl	
Casing/Tubing Secured ☐		1 Hole Volume Circulated prior to Cement ☒		Casing Tools		Squeeze Job	
Lift Pressure 3000 psi		Rotated ☐ Pipe Recirculated ☐		Shoe Type Float		Squeeze Type	
No. Centralizers		Top Plugs 1 Bottom Plugs 1		Shoe Depth 5891.0 ft		Tool Type	
Cement Head Type Single		Job Scheduled For Jul/08/2008		Stage Tool Type		Tool Depth	
Arrived on location Jul/08/2008		Left on location Jul/08/2008		Stage Tool Depth		Tail Pipe Size	
Date		Time 24-hr clock		Cement Type Float		Tail Pipe Depth	
Flow Rate B/W		Density LB/G		Collar Depth 5844.0 ft		Sqs. Total Vol.	
Flow Rate B/W		Density LB/G		Volume GEL		Message	
07/08/2008	00:12:05					Started Acquisition	
07/08/2008	01:27:08	-9	0.0	8.46	0.0		
07/08/2008	01:27:11					Start Job	
07/08/2008	01:27:11	-9	0.0	8.46	0.0		
07/08/2008	01:27:13					Start Pumping Spacer	
07/08/2008	01:27:13	-9	0.0	8.46	0.0		
07/08/2008	01:27:19	-9	0.0	8.53	0.0	Pressure Test Lines	
07/08/2008	01:32:05	3323	0.0	8.40	0.1		
07/08/2008	01:37:05	345	6.6	8.39	23.1	End Spacer	
07/08/2008	01:39:46	360	6.6	8.39	40.6		
07/08/2008	01:39:47					Start Mixing Lead Slurry	
07/08/2008	01:39:47	353	6.6	8.39	40.8		
07/08/2008	01:40:12					1st LEAD 500 SKS = 240 BULS	
07/08/2008	01:40:12	425	6.6	12.39	43.5		
07/08/2008	01:40:36					YIELD 2.7 FT ³ /SK	
07/08/2008	01:40:36	445	6.6	12.39	46.1		
07/08/2008	01:42:05	528	8.0	12.17	57.4		
07/08/2008	01:47:05	390	8.0	11.83	97.4		
07/08/2008	01:52:05	316	8.0	11.72	137.3		
07/08/2008	01:57:05	342	8.0	11.94	177.3		

Well			Field		Job Start	Customer	Job Number
Webb 3-23			Wildcat		Jul/08/2008	Shell oil company	2201756970
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
07/08/2008	02:02:05	349	8.0	11.85	217.2		
07/08/2008	02:07:05	331	8.0	11.81	257.2		
07/08/2008	02:12:05	158	8.0	11.42	297.2		
07/08/2008	02:12:21					1st LEAD @ 11.8 ppg	
07/08/2008	02:12:21	204	8.0	11.54	299.3		
07/08/2008	02:12:33					Start 2nd lead	
07/08/2008	02:12:33	253	8.0	11.56	300.9		
07/08/2008	02:13:09					2nd lead 545 sks = 267 BBLS	
07/08/2008	02:13:09	341	8.0	11.60	305.7		
07/08/2008	02:14:00					2nd lead @ 11.8 PPG / yield 2.75 ft3 /sk	
07/08/2008	02:14:00	251	8.0	11.83	312.5		
07/08/2008	02:17:05	344	8.0	11.89	337.1		
07/08/2008	02:22:05	334	8.0	11.84	377.1		
07/08/2008	02:27:05	391	8.0	11.96	417.1		
07/08/2008	02:32:05	340	8.0	11.97	457.0		
07/08/2008	02:37:05	353	8.0	11.92	491.8		
07/08/2008	02:42:05	365	8.0	11.86	531.8		
07/08/2008	02:46:04					tail 133 sks = 32 bbls @ 14.8 ppg	
07/08/2008	02:46:04	346	6.6	13.37	558.2		
07/08/2008	02:46:18					End Lead Slurry	
07/08/2008	02:46:18	303	6.6	13.39	559.7		
07/08/2008	02:46:22					Start Mixing Tail Slurry	
07/08/2008	02:46:22	342	6.6	13.39	560.2		
07/08/2008	02:47:05	231	6.6	13.75	564.9		
07/08/2008	02:47:22					tail yield = 1.35 ft3 / sk	
07/08/2008	02:47:22	294	6.5	13.93	566.7		
07/08/2008	02:52:05	360	6.5	15.04	597.5		
07/08/2008	02:53:09					End Tail Slurry	
07/08/2008	02:53:09	360	6.6	14.91	604.5		
07/08/2008	02:53:11					Drop Top Plug	
07/08/2008	02:53:11	379	6.5	14.91	604.7		
07/08/2008	02:53:12					Start Displacement	
07/08/2008	02:53:12	370	6.5	14.91	604.9		
07/08/2008	02:57:05	45	0.0	19.08	609.9		
07/08/2008	03:02:05	141	5.0	9.02	627.1		
07/08/2008	03:07:05	118	5.1	8.41	652.4		
07/08/2008	03:12:05	205	6.6	9.84	683.8		
07/08/2008	03:17:05	371	6.6	8.40	716.6		
07/08/2008	03:22:05	456	6.5	8.40	749.2		
07/08/2008	03:27:05	716	8.0	8.41	786.8		
07/08/2008	03:32:05	904	8.0	8.41	826.8		
07/08/2008	03:37:05	1220	8.0	8.41	866.7		
07/08/2008	03:42:05	1007	2.5	8.41	889.5		
07/08/2008	03:47:05	1219	0.8	8.41	893.4		
07/08/2008	03:50:03					Bump Top Plug	
07/08/2008	03:50:03	2005	0.0	8.41	894.2		
07/08/2008	03:50:04					End Displacement	
07/08/2008	03:50:04	2005	0.0	8.41	894.2		
07/08/2008	03:50:20					pressure test casing to 2000 psi	
07/08/2008	03:50:20	2003	0.0	8.41	894.2		
07/08/2008	03:50:31					hold pressure for 30 min	
07/08/2008	03:50:31	2004	0.0	8.41	894.2		
07/08/2008	03:50:46					float holding	
07/08/2008	03:50:46	2004	0.0	8.41	894.2		
07/08/2008	03:52:05	2000	0.0	8.41	894.2		

Well			Field		Job Start		Customer		Job Number	
Webb 3-23			Wildcat		Jul/08/2008		Shell oil company		2201756970	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message				
07/08/2008	03:57:05	1995	0.0	8.41	894.2					
07/08/2008	04:02:05	1988	0.0	8.41	894.2					
07/08/2008	04:07:05	1986	0.0	8.41	894.2					
07/08/2008	04:12:05	1985	0.0	8.41	894.2					
07/08/2008	04:17:05	1985	0.0	8.41	894.2					
07/08/2008	04:22:05	26	0.0	8.41	894.2					
07/08/2008	04:22:34					End Job				
07/08/2008	04:22:34	25	0.0	8.41	894.2					
07/08/2008	04:22:40					Stopped Acquisition				

Post Job Summary

Average Pump Rates,					Volume of Fluid Injected, bbl			
Slurry	N2	Mod	Maximum Rate	Total Slurry	Mod	Spacer	N2	
				507.0		40.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Cum Plug to	Breakdown	Type	Volume	Density	
3200	2000		1500		Fresh Water		8.34 lb/gal	
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume			
	507.0 bbl	268.0 bbl	60 degF	☐	To			
				Washed Thru Perfs	☐			
Customer or Authorized Representative			Schlumberger Supervisor		Circulation Lost	Job Completed ☒		
Bernie Saunders			J. Antillon		-	-		