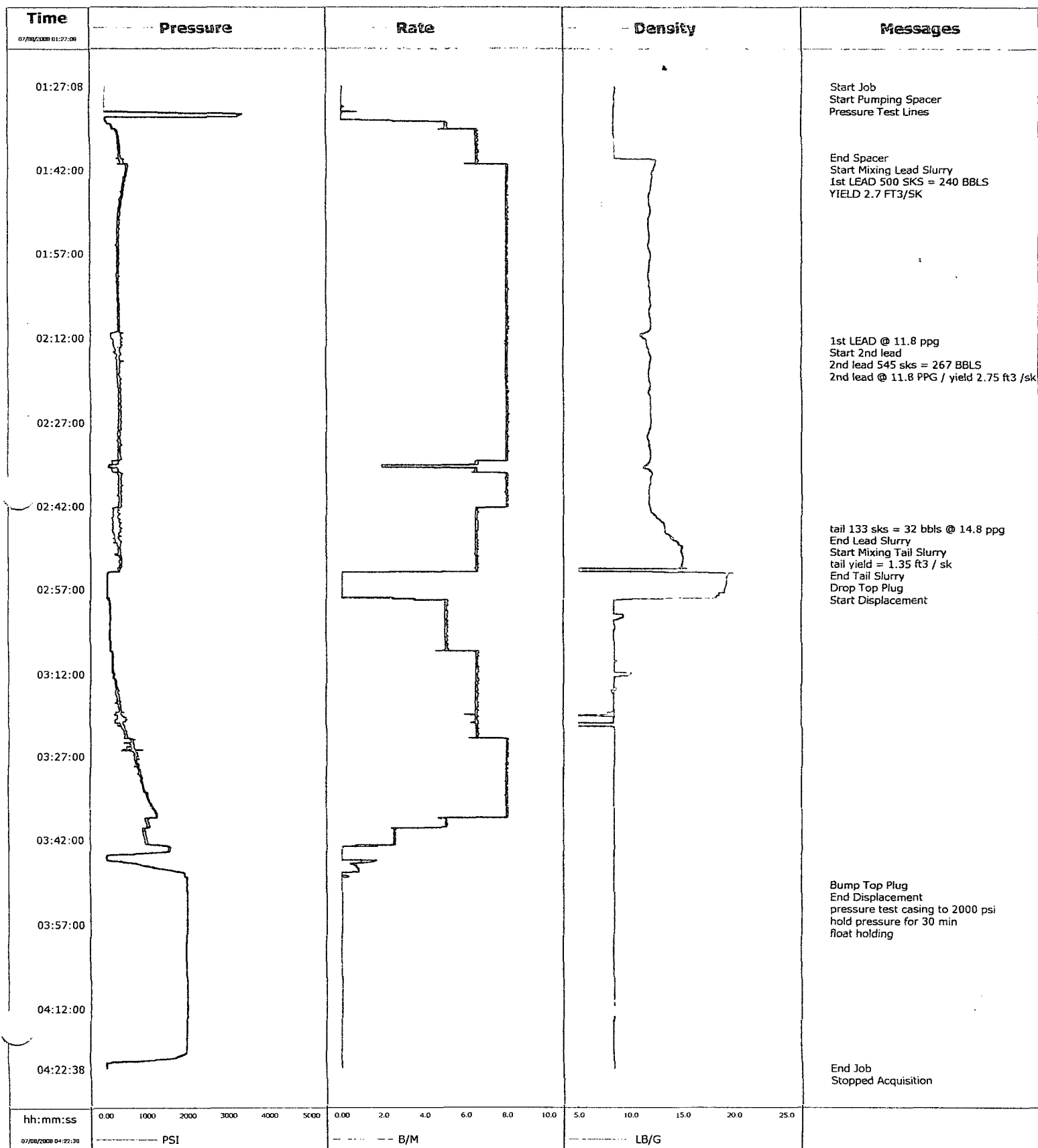


BLM

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





Cementing Service Report

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		BHCT	
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 Cem Intern Casing		Weight, lb/ft		Grade	
Max. Allowed Tubing Press		Max. Allowed Ann. Press		Wellhead Connection Single Cement head		Thread	
Service Instructions				Perforations/Open Hole			
				Top,		Bottom,	
				No. of Shots		Total Interval	
				Diameter			
				Treat Down Casing		Displacement 268.0 bbl	
				Packer Type		Packer Depth	
				Tubing Vol.		Casing Vol. 270.0 bbl	
				Annular Vol. 507.0 bbl		Openhole Vol.	
Casing/Tubing Secured ☐		1 Hole Volume Circulated prior to Cement ☒		Casing Tools		Squeeze Job	
Lift Pressure 3000 psi		Pipe Recirculated ☐		Shoe Type Float		Squeeze Type	
Rotated ☐		No. Centralizers		Shoe Depth 5891.0 ft		Tool Type	
		Top Plugs 1		Bottom Plugs 1		Stage Tool Type	
Cement Head Type Single		Stage Tool Depth		Tail Pipe Size		Tool Depth	
Job Scheduled For Jul/08/2008		Arrived on Location Jul/08/2008		Leave Location Jul/08/2008		Tail Pipe Depth	
						Ggz. Total Vol.	
Date	Time 24-hr clock	Packing Pressure PSI	Flow Rate GPM	Density LB/G	Volume GAL	Message	
07/08/2008	00:12:05					Started Acquisition	
07/08/2008	01:27:08	-9	0.0	8.46	0.0	Start Job	
07/08/2008	01:27:11					Start Pumping Spacer	
07/08/2008	01:27:11	-9	0.0	8.46	0.0	Pressure Test Lines	
07/08/2008	01:27:13					End Spacer	
07/08/2008	01:27:13	-9	0.0	8.46	0.0	Start Mixing Lead Slurry	
07/08/2008	01:27:19					1st LEAD 500 SKS = 240 BBLs	
07/08/2008	01:27:19	-9	0.0	8.53	0.0	YIELD 2.7 FT3/SK	
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		
07/08/2008	01:39:46	360	6.6	8.39	40.6		
07/08/2008	01:39:47	353	6.6	8.39	40.8		
07/08/2008	01:40:12	425	6.6	12.39	43.5		
07/08/2008	01:40:36						
07/08/2008	01:40:36	445	6.6	12.39	46.1		
07/08/2008	01:42:05	528	8.0	12.12	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 R3 /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 bbis @ 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	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2	
				507.0		40.0		
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum	Final	Average	Comp Plug to	Breakdown	Type	Volume	Density	
3200	2000		1500		FreshWater		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			
Customer or Authorized Representative			Schlumberger Supervisor	Washed Thru Perfs	Job Completed			
Bernie Saunders			J. Antillon	☐	☒			