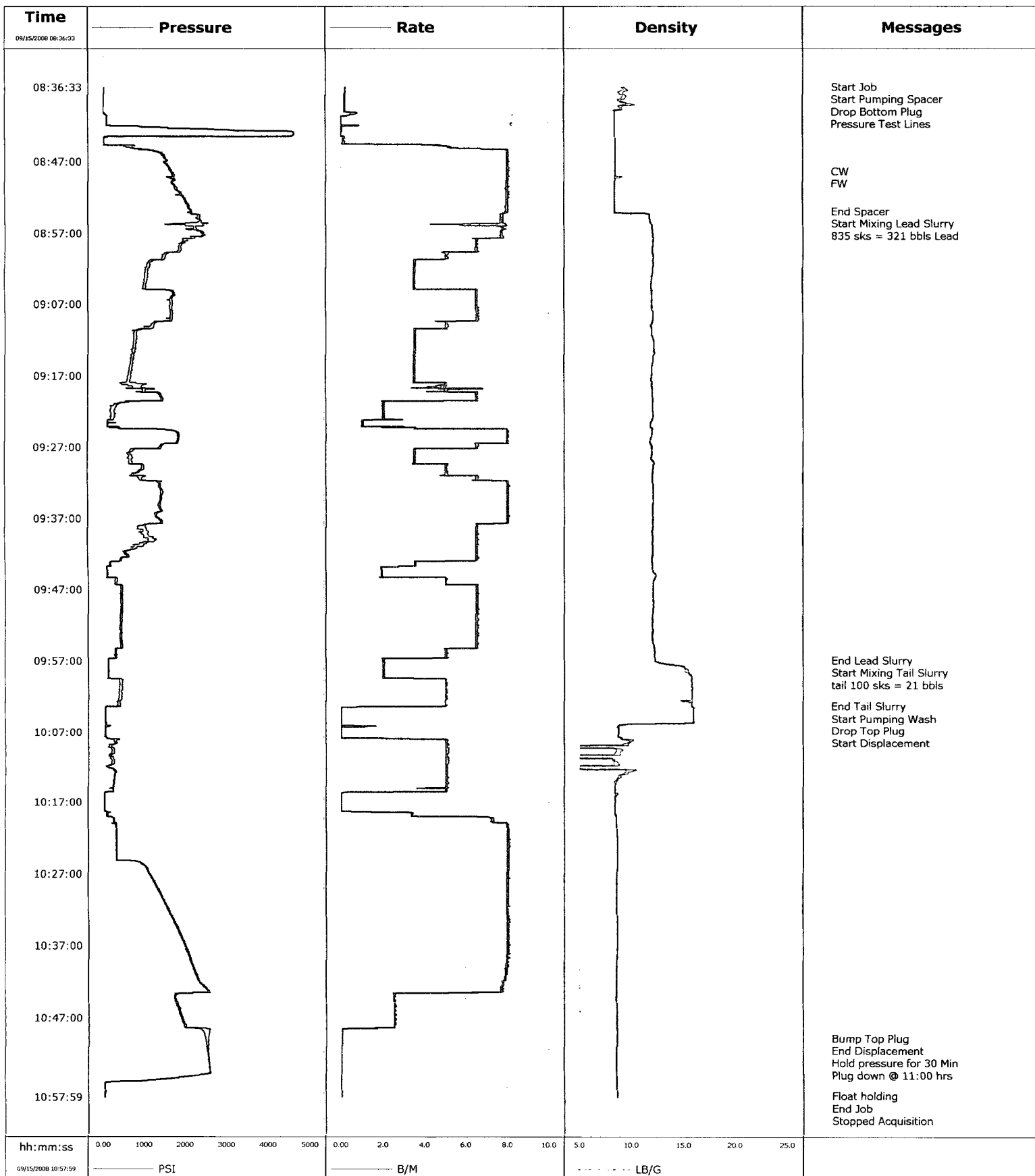


Well	WEBB 3-23	Client	SHELL OIL CORPORATION
Field	WILDCAT	SIR No.	
Engineer	30-019-20135	Job Type	CEM PROD CASING
Country	United States	Job Date	09-14-2008





Cementing Service Report

Customer SHELL OIL CORPORATION				Job Number 2210756971			
Well WEBB 3-23		Location (legal)		Schlumberger Location HOBBS		Job Start Sep/14/2008	
Field WILDCAT		Formation Name/Type		Deviation		Well TVD 13320.0 ft	
County GUADALUPE		State/Province NEW MEXICO		Bit Size 6.5 in		Well MD 13320.0 ft	
Well Master 0631034156		API/UWI		BHP		BHST	
Rig Name NABORS M43		Drilled For Oil		Service Via Land		BHCT	
Offshore Zone		Well Class New		Well Type Exploration		Pore Press. Gradient	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Casing/Liner	
Service Line Cementing		Job Type Cem Prod Casing		Depth, ft		Size, in	
Max. Allowed Tubing Press 2500 psi		Max. Allowed Ann. Press		Wellhead Connection Single Cement head		Weight, lb/ft	
Service Instructions				Perforations/Open Hole		Grade	
				Top,		Bottom,	
				No. of Shots		Total Interval	
				Diameter			
				Treat Down Casing		Displacement 198.0 bbl	
				Packer Type		Packer Depth	
				Tubing Vol.		Casing Vol.	
				Annular Vol. 342.0 bbl		Openhole Vol.	
Casing/Tubing Secured ☐		1 Hole Volume Circulated prior to Cement ☒		Casing Tools		Squeeze Job	
Lift Pressure 13000 psi		Pipe Rotated ☐		Pipe Reciprocated ☐		Shoe Type Guide	
Pipe Rotated ☐		Pipe Reciprocated ☐		Shoe Depth 13309.0 ft		Squeeze Type	
No. Centralizers		Top Plugs 1		Bottom Plugs 1		Tool Type	
Cement Head Type Single		Stage Tool Type		Tool Depth			
Job Scheduled For Sep/14/2008		Arrived on Location Sep/14/2008		Leave Location Sep/14/2008		Stage Tool Depth	
						Tail Pipe Size	
						Tail Pipe Depth	
						Collar Type Float	
						Collar Depth 13298.0 ft	
						Sqz. Total Vol.	
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message	
09/15/2008	03:40:27					Started Acquisition	
09/15/2008	08:36:33	16	0.2	9.22	0.0		
09/15/2008	08:36:34					Start Job	
09/15/2008	08:36:34	15	0.2	9.11	0.0		
09/15/2008	08:36:35					Start Pumping Spacer	
09/15/2008	08:36:35	15	0.2	9.11	0.0		
09/15/2008	08:36:36					Drop Bottom Plug	
09/15/2008	08:36:36	16	0.2	9.13	0.0		
09/15/2008	08:36:38					Pressure Test Lines	
09/15/2008	08:36:38	15	0.2	9.37	0.0		
09/15/2008	08:40:27	85	0.4	8.43	0.9		
09/15/2008	08:45:27	1234	8.0	8.43	6.7		
09/15/2008	08:48:23					CW	
09/15/2008	08:48:23	1655	8.0	8.42	30.1		
09/15/2008	08:49:09					FW	
09/15/2008	08:49:09	1591	8.0	8.61	36.3		
09/15/2008	08:50:27	1737	8.0	8.42	46.7		
09/15/2008	08:53:58					End Spacer	
09/15/2008	08:53:58	2148	7.9	8.41	74.8		
09/15/2008	08:54:00					Start Mixing Lead Slurry	
09/15/2008	08:54:00	2053	8.0	8.41	75.1		
09/15/2008	08:54:28					835 sks = 321 bbls Lead	

Well			Field		Job Start		Customer		Job Number	
WEBB 3-23			WILDCAT		Sep/14/2008		SHELL OIL CORPORATION		2210756971	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G		Volume BBL	Message		
09/15/2008	08:54:28	2304		7.8	11.79		78.7			
09/15/2008	08:55:27	2318		7.7	11.91		86.3			
09/15/2008	09:00:27	1453		5.1	12.10		120.2			
09/15/2008	09:05:27	1699		6.5	11.98		140.0			
09/15/2008	09:10:27	839		3.6	11.89		170.9			
09/15/2008	09:15:27	695		3.5	12.03		188.5			
09/15/2008	09:20:27	836		3.5	11.99		212.0			
09/15/2008	09:25:27	1822		8.0	11.87		228.1			
09/15/2008	09:30:27	888		5.0	12.09		254.1			
09/15/2008	09:35:27	1382		8.0	12.01		291.6			
09/15/2008	09:40:27	952		6.5	12.06		327.5			
09/15/2008	09:45:27	322		5.0	12.19		350.5			
09/15/2008	09:50:27	422		6.5	12.08		381.9			
09/15/2008	09:55:27	315		5.1	12.26		414.2			
09/15/2008	09:56:52							End Lead Slurry		
09/15/2008	09:56:52	112		2.0	12.26		420.4			
09/15/2008	09:56:53							Start Mixing Tail Slurry		
09/15/2008	09:56:53	112		2.0	12.27		420.4			
09/15/2008	09:59:53							tail 100 sks = 21 bbls		
09/15/2008	09:59:53	419		5.0	15.80		428.0			
09/15/2008	10:00:27	430		5.0	15.76		430.8			
09/15/2008	10:03:19							End Tail Slurry		
09/15/2008	10:03:19	379		5.0	15.84		445.3			
09/15/2008	10:03:21							Start Pumping Wash		
09/15/2008	10:03:21	153		2.9	15.84		445.4			
09/15/2008	10:03:22							Drop Top Plug		
09/15/2008	10:03:22	117		2.2	15.86		445.4			
09/15/2008	10:03:24							Start Displacement		
09/15/2008	10:03:24	72		0.9	15.96		445.5			
09/15/2008	10:05:27	52		0.0	15.98		445.5			
09/15/2008	10:10:27	161		5.1	1.81		458.6			
09/15/2008	10:15:27	247		5.1	8.43		483.9			
09/15/2008	10:20:27	315		8.0	8.55		497.4			
09/15/2008	10:25:27	906		8.0	8.60		537.4			
09/15/2008	10:30:27	1435		8.0	8.59		577.4			
09/15/2008	10:35:27	1850		8.0	8.59		617.3			
09/15/2008	10:40:27	2195		8.0	8.59		657.3			
09/15/2008	10:45:27	1800		2.5	8.59		686.1			
09/15/2008	10:49:46							Bump Top Plug		
09/15/2008	10:49:46	2481		0.0	8.59		693.7			
09/15/2008	10:49:47							End Displacement		
09/15/2008	10:49:47	2459		0.0	8.59		693.7			
09/15/2008	10:50:03							Hold pressure for 30 Min		
09/15/2008	10:50:03	2482		0.0	8.59		693.7			
09/15/2008	10:50:27	2505		0.0	8.59		693.7			
09/15/2008	10:53:18							Plug down @ 11:00 hrs		
09/15/2008	10:53:18	2555		0.0	8.59		693.7			
09/15/2008	10:55:27	1558		0.0	8.59		693.7			
09/15/2008	10:57:47							Float holding		
09/15/2008	10:57:47	35		0.0	8.59		693.7			
09/15/2008	10:57:54							End Job		
09/15/2008	10:57:54	35		0.0	8.59		693.7			
09/15/2008	10:58:02							Stopped Acquisition		

Well WEBB 3-23	Field WILDCAT	Job Start Sep/14/2008	Customer SHELL OIL CORPORATION	Job Number 2210756971
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Post Job Summary

Average Pump Rates,					Volume of Fluid Injected,			
Slurry	N2	Mud	Maximum Rate		Total Slurry	Mud	Spacer	N2
Treating Pressure Summary, psi					Breakdown Fluid			
Maximum 4600	Final 1950	Average	Bump Plug to 2500	Breakdown	Type FreshWater	Volume		Density 8.34 lb/gal
Avg. N2 Percent	Designed Slurry Volume 342.0 bbl		Displacement	Mix Water Temp 60 degF	Cement Circulated to Surface? ☐		Volume	
					Washed Thru Perfs ☐		To	
Customer or Authorized Representative DRONET PETE			Schlumberger Supervisor J. ANTILLON			Circulation Lost ☐		Job Completed ☒

Comments:

Up to date JSA's and HARC- discuss with company man before performing any work on location

Rain for rent catch tarps under pump truck-NO SPILLS

Any spills or incidents to be reported IMMEDIATELY to company man and safety supervisor on location

Fluid Systems:

Lead		
835 sks TXI + 20% D154 + 0.8% D167 + 0.5% D46 + 0.2% D65 + 2% D800 + 0.25 lbs/sk D29 + 4% D20		
Density:	12 lb/gal	Thickening Time:
Yield:	2.15 ft ³ /sk	
H2O Mix:	11.73 gal/sk	
H2O:	9794.55 gal	Eq. Sack Weight: 75 lb
	Total Blend:	835 sacks
Dowell Code	Conc/ Amount	Total Quantity
D020	3 lbs/sk	2505
D029	0.25 lbs/sk	208.75
D800	1.5 lbs/sk	1252.5
D065	0.15 lbs/sk	125.25
D046	0.375 lbs/sk	313.125
D167	0.6 lbs/sk	501
D154	15 lbs/sk	12525
D049	75 lbs/sk	62625

Tail		
100 sks Class H + 0.2% D167 + 0.2% D65 + 0.4% D800 + 0.2% D46		
Density:	15.6 lb/gal	Thickening Time:
Yield:	1.19 ft ³ /sk	
H2O Mix:	5.251 gal/sk	
H2O:	525.1 gal	Eq. Sack Weight: 94 lb
	Total Blend:	100 sacks
Dowell Code	Conc/ Amount	Total Quantity
D046	0.188 lbs/sk	18.8
D800	0.376 lbs/sk	37.6
D065	0.188 lbs/sk	18.8
D167	0.188 lbs/sk	18.8
D909	94 lbs/sk	9400

Spacer		
20 bbls CW 100		
Density:	lb/gal	Thickening Time:
Yield:	ft ³ /sk	
H2O Mix:	0 gal/sk	
H2O:	0 gal	Eq. Sack Weight: 0 lb
	Total Blend:	0 sacks
Dowell Code	Conc/ Amount	Total Quantity
J237A	5 gal	5
D122A	10 gal	10