

BLM

30-019-20137

Schlumberger**Service Order**

2009-Apr-04

Customer SHELL OIL COMPANY		Person Taking Call Martinez, Raul		Dowell Location Hobbs, NM		OrderDate 2009-Mar-19		Job Number 2201758758			
Well Name and Number Latigo 3-5			Legal Location		Field		County Guadalupe		State/Province NM		
Well Master: 0631084469			API / UWI:								
Rig Name Nabors M-45			Well Age New		Sales Engineer Bryant, Rodney			Job Type Cem Prod Casing			
Time Well Ready:		Deviation		Bit Size in		Well MD 14,538 ft		Well TVD 14,538 ft		BHP psi	
										BHST 244 °F	
										BHCT 193 °F	
Treat Down		Packer Type		Packer Depth ft		WellHead Connection Single cement hea		HHP on Location 850		Max Allowed Pressure	
										Max Allowed AnnPressure	
Casing					Services Instructions: Cement 14500' of 4 1/2" Production casing LOU:4900005296 NET WORK LATIGO: #30084800						
Depth, ft	Size, in	Weight, lb/ft	Grade	Thread							
6257	7.63	29.7	P110	8RD							
14529	4.5	13.5	P110	8RD							
Tubing					Extra Equipment: Head, manifold QC Swadge - 8 rd thread						
Depth,	Size, in	Weight, lb/ft	Grade	Thread							
Perforated Intervals											
Top, ft	Bottom, ft	spf	No. of Shots	Total Interval ft							
				Diameter in							
Expected On Location:					Ready To Pump:						

Contact	Voice	Mobile	FAX	Notes
George Stampley		281-714-2406		

Notes:

NO cell phones on location
 Sign in with safety man first thing on location
 Hearing protection required while on location

Directions:

Directions attached

Other Notes:

Cell service dead on location-call yard when leaving Santa Rosa on way to location.
 Call dispatch when arriving in Santa Rosa after job. Customer has phone for emergencies

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:

Extra			
300 lbs of sugar			
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	
57998000	300 lbs	300	

Lead			
732 sks TXI + 20% D154 + 0.8%D167 + 0.5%D46 + 0.2%D65 + 0.25 pps D29 + 4% D20 + 2% D800 + 0.05 pps B307			
Density:	12 lb/gal	Thickening Time:	
Yield:	2.16 ft ³ /sk		
H2O Mix:	11.72 gal/sk		
H2O:	8579.04 gal	Eq. Sack Weight:	75 lb
		Total Blend:	732 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D046	0.375 lbs/sk	274.5	
D020	3 lbs/sk	2196	
D029	0.25 lbs/sk	183	
D065	0.15 lbs/sk	109.8	
D049	75 lbs/sk	54900	
D167	0.6 lbs/sk	439.2	
D154	15 lbs/sk	10980	
B307	0.05 lbs/sk	36.6	
D800	1.5 lbs/sk	1098	

MudPUSH			
50 bbls MudPUSH			
Density:	10 lb/gal	Thickening Time:	
Yield:	ft ³ /sk		
H2O Mix:	0 gal/sk		
H2O:	1739.26 gal	Eq. Sack Weight:	0 lb
		Total Blend:	0 sacks
Dowell Code	Conc/ Amount	Total Quantity	
U066	100 gal	100	
D031	4640.151 lbs	4640.151	
D182	356.134 lbs	356.134	
F108	100 gal	100	

Tail			
70 sks Class H + 0.2% D046 + 0.2% D065 + 0.2% D167 + 0.6% D800			
Density:	15.6 lb/gal	Thickening Time:	
Yield:	1.19 ft ³ /sk		
H2O Mix:	5.238 gal/sk		
H2O:	366.66 gal	Eq. Sack Weight:	94 lb
		Total Blend:	70 sacks
Dowell Code	Conc/ Amount	Total Quantity	
D046	0.188 lbs/sk	13.16	
D800	0.376 lbs/sk	26.32	
D065	0.188 lbs/sk	13.16	
D909	94 lbs/sk	6580	
D167	0.188 lbs/sk	13.16	



Cementing Service Report

Customer SHELL OIL COMPANY						Job Number 2201758758					
Well Latigo 3-5			Location (legal)			Schlumberger Location Hobbs, NM			Job Start 2009-Apr-04		
Field		Formation Name/Type			Deviation		Bit Size in		Well MD 14,538 ft		
County Guadalupe		State/Province NM			BHP psi		BHST 244 °F		BHCT 193 °F		
Well Master: 0631084469		API / UWI:			Casing/Liner						
Rig Name Nabors M-45		Drilled For Oil		Service Via		Depth, ft 6257		Size, in 7.63		Weight, lb/ft 29.7	
Offshore Zone		Well Class New		Well Type Exploration		Depth, ft 14529		Size, in 4.5		Weight, lb/ft 13.5	
Drilling Fluid Type		Max. Density lb/gal		Plastic Vi: cp		Tubing/Drill Pipe					
Service Line Cementing		Job Type Cem Prod Casing				Perforations/Open Hole					
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		WellHead Connection Single cement hea		Top, ft		Bottom, ft		spf	
Service Instructions Cement 14500' of 4 1/2" Production casing LOU:4900005296 NET WORK LATIGO: #30084800										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down		Displacement 216 bbl		Packer Type	
Tubing Vol. bbl		Casing Vol. 216 bbl		Annular Vol. 341 bbl		OpenHole Vol 339 bbl					
Casing/Tubing Secured ☐ 1 Hole Volume Circulated prior to Cementing ☒						Casing Tools			Squeeze Job		
Lift Pressure: psi						Shoe Type: Guide			Squeeze Type		
Pipe Rotated ☐ Pipe Reciprocated ☐						Shoe Depth: 14538 ft			Tool Type:		
No. Centralizers: Top Plugs: 1 Bottom Plugs:						Stage Tool Type			Tool Depth: ft		
Cement Head Type: Single						Stage Tool Depth: ft			Tail Pipe Size: in		
Job Scheduled For: Arrived on Location: 2009-Apr-03 21:30 Leave Location: 2009-Apr-04 10:00						Collar Type: Float			Tail Pipe Depth: ft		
						Collar Depth: 14536 ft			Sqz Total Vol: bbl		
Date		Time		Treating Pressure psi		Flow Rate bbl/min		CMT DENS lb/gal		0	
		24 hr clock								0	
2009-Apr-04		1:02		3		0.0		8.41		0	
2009-Apr-04		1:03		3		0.0		8.41		0	
2009-Apr-04		1:03								0	
2009-Apr-04		1:03		3		0.0		8.40		0	
2009-Apr-04		1:03								0	
2009-Apr-04		1:03								0	
2009-Apr-04		1:03		3		0.0		8.40		0	
2009-Apr-04		3:13		4213		0.0		8.33		0	
2009-Apr-04		3:18		314		2.3		8.34		0	
2009-Apr-04		3:23		211		1.0		8.33		0	
2009-Apr-04		3:28		134		1.0		8.33		0	
2009-Apr-04		3:33		204		1.0		8.33		0	
2009-Apr-04		3:38		57		0.0		8.34		0	
2009-Apr-04		3:43		329		2.3		8.34		0	
2009-Apr-04		3:47		638		4.4		10.20		0	
2009-Apr-04		3:47								0	
2009-Apr-04		3:47								0	
2009-Apr-04		3:47		647		4.4		10.20		0	
2009-Apr-04		3:48		644		4.4		10.20		0	
						Message					
						Sign Auth.					
						Safety Meeting					
						Clear Lines					
						Very Good Circulation At Surface					
						Start Pump 20 BBLS FW Spacer Ahead					

Well		Field			Service Date		Customer		Job Number
Latigo #3-5					0994-Apr-04		SHELL OIL COMPANY		2201758758
Date	Time	Treating Pressure	Flow Rate	CMT DENS	0	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	0	0	0	0	
2009-Apr-04	3:49								Start Pump 50 BBLS Mud Push II At 4:30 AM NM Time
2009-Apr-04	3:49	985	6.4	10.20	0	0	0	0	
2009-Apr-04	3:53	447	6.2	15.51	0	0	0	0	
2009-Apr-04	3:54	756	6.2	8.33	0	0	0	0	
2009-Apr-04	3:54								Reset Total, Vol = 90.67 bbl
2009-Apr-04	3:54								Start Pump 20 BBLS F/W Spacer
2009-Apr-04	3:54	954	6.4	8.29	0	0	0	0	
2009-Apr-04	3:57	920	6.2	10.61	0	0	0	0	
2009-Apr-04	3:57								Reset Total, Vol = 20.08 bbl
2009-Apr-04	3:58	977	6.4	10.99	0	0	0	0	
2009-Apr-04	3:59								Start Pump Lead Cement At 4:55 AM NM Time
2009-Apr-04	3:59	982	6.4	11.47	0	0	0	0	
2009-Apr-04	4:00								Lead Cement 280 BBLS = 732 SKS At 12 PPG
2009-Apr-04	4:00	1002	6.4	11.67	0	0	0	0	
2009-Apr-04	4:00	995	6.4	11.78	0	0	0	0	
2009-Apr-04	4:00								Lead Set Time 3 Hours & 22 Min
2009-Apr-04	4:03	783	6.4	11.47	0	0	0	0	
2009-Apr-04	4:08	212	4.4	11.70	0	0	0	0	
2009-Apr-04	4:13	427	6.2	11.71	0	0	0	0	
2009-Apr-04	4:18	453	6.4	12.00	0	0	0	0	
2009-Apr-04	4:23	504	6.2	12.25	0	0	0	0	
2009-Apr-04	4:28	455	6.4	11.93	0	0	0	0	
2009-Apr-04	4:33	464	6.4	11.99	0	0	0	0	
2009-Apr-04	4:38	477	6.2	12.09	0	0	0	0	
2009-Apr-04	4:43	261	4.5	12.17	0	0	0	0	
2009-Apr-04	4:44								Reset Total, Vol = 279.96 bbl
2009-Apr-04	4:44	82	2.0	12.98	0	0	0	0	
2009-Apr-04	4:45								Start Pump Tail Cement At 5:45 AM NM Time
2009-Apr-04	4:45	88	2.1	13.59	0	0	0	0	
2009-Apr-04	4:46	75	2.0	14.62	0	0	0	0	
2009-Apr-04	4:46								Tail Cement 15 BBLS = 70 SKS At 15.6 PPG
2009-Apr-04	4:46	166	3.3	14.62	0	0	0	0	
2009-Apr-04	4:46								Tail Set Time 5 Hours & 49 Min.
2009-Apr-04	4:48	189	3.2	14.69	0	0	0	0	
2009-Apr-04	4:53	64	0.0	15.59	0	0	0	0	
2009-Apr-04	4:58	42	0.0	8.05	0	0	0	0	
2009-Apr-04	5:03	141	4.4	8.35	0	0	0	0	
2009-Apr-04	5:08	197	6.2	8.41	0	0	0	0	
2009-Apr-04	5:10	204	6.2	8.40	0	0	0	0	
2009-Apr-04	5:10								Reset Total, Vol = 64.19 bbl
2009-Apr-04	5:10	204	6.2	8.40	0	0	0	0	
2009-Apr-04	5:10								End Tail Cement
2009-Apr-04	5:10	202	6.2	8.40	0	0	0	0	
2009-Apr-04	5:10								Stop Pumping
2009-Apr-04	5:10	204	6.4	8.40	0	0	0	0	
2009-Apr-04	5:10								Wash Lines
2009-Apr-04	5:10								Drop Plug

Well		Field			Service Date		Customer		Job Number
Latigo #3-5					0994-Apr-04		SHELL OIL COMPANY		2201758758
Date	Time	Treating Pressure	Flow Rate	CMT DENS	0	0	0	0	Message
	24 hr clock	psi	bbbl/min	lb/gal	0	0	0	0	
2009-Apr-04	5:10	204	6.4	8.40	0	0	0	0	
2009-Apr-04	5:11	203	6.4	8.40	0	0	0	0	
2009-Apr-04	5:11								Start Pump 216 BBLS 2% KCL Displacement
2009-Apr-04	5:13	207	6.4	8.40	0	0	0	0	
2009-Apr-04	5:18	640	6.2	8.40	0	0	0	0	
2009-Apr-04	5:23	1199	6.2	8.40	0	0	0	0	
2009-Apr-04	5:28	690	3.3	8.41	0	0	0	0	
2009-Apr-04	5:33	1814	6.2	8.50	0	0	0	0	
2009-Apr-04	5:38	2197	6.4	8.50	0	0	0	0	
2009-Apr-04	5:43	1845	2.2	8.50	0	0	0	0	
2009-Apr-04	5:48	2320	1.6	8.50	0	0	0	0	
2009-Apr-04	5:53	6	0.0	8.50	0	0	0	0	
2009-Apr-04	5:57	2	0.0	8.50	0	0	0	0	
2009-Apr-04	5:57								Plug Down At 7:00 AM NM Time
2009-Apr-04	5:57								Bump Plug 2182 PSI To 2588 PSI
2009-Apr-04	5:57	2	0.0	8.50	0	0	0	0	
2009-Apr-04	5:57								Check Float
2009-Apr-04	5:57	2	0.0	8.50	0	0	0	0	
2009-Apr-04	5:57	1	0.0	8.50	0	0	0	0	
2009-Apr-04	5:57								Float Held
2009-Apr-04	5:58								No Cement To Surface
2009-Apr-04	5:58	2	0.0	8.50	0	0	0	0	
2009-Apr-04	5:58								End Job
2009-Apr-04	5:58	1	0.0	8.50	0	0	0	0	
2009-Apr-04	5:58	1	0.0	8.49	0	0	0	0	
2009-Apr-04	5:58								Stopped Acquisition
2009-Apr-04	5:58	1	0.0	8.49	0	0	0	0	
Post Job Summary									
Average Pump Rates, bpm					Volume of Fluid Injected, bbl				
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
6.5			7	295		90			
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
2588		750	2588		8.43 lb/gal				
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp						
%	bbl	216 bbl	°F						
Customer or Authorized Representative			Schlumberger Supervisor						
Stampley, George			Cantu, Ernest			☐ CirculationLost ☒ Job Completed			

Well	3-5	Client	Shell Oil Company
Field	Latigo	SIR No.	2201758758
Engineer		Job Type	Cement 4 1/2 L/S Casing
Country	United States	Job Date	04-04-2009

