

Customer SHELL OIL COMPANY					Job Number 2201756790						
Well Latigo Ranch 2-34			Location (legal)			Schlumberger Location Hobbs, NM			Job Start 2008-Sep-24		
Field Cuervo		Formation Name/Type			Deviation		Bit Size 14.8 in		Well MD 1,502 ft		
County Guadalupe		State/Province New Mexico			BHP psi		BHST 93 °F		BHCT 85 °F		
Well Master: 0631051580		API / UWI: 30-019-20136			Casing/Liner						
Rig Name Nabors M-45		Drilled For Oil & Gas		Service Via Land		Depth, ft 1502		Size, in 10.75		Weight, lb/ft 40.5	
Offshore Zone		Well Class New		Well Type Development		Grade K55		Thread 8RD			
Drilling Fluid Type		Max. Density 0 lb/gal		Plastic Viscosity 0 cp		Depth, ft		Size, in		Weight, lb/ft	
Service Line Cementing		Job Type Cem Surface Casing				Grade		Thread			
Max. Allowed Tubing Pressure psi		Max. Allowed Ann. Pressure psi		Wellhead Connection 10 3/4 M&H&QC		Perforations/Open Hole					
						Top, ft		Bottom, ft		spf	
										No. of Shots	
										Total Interval ft	
										Diameter in	
						Treat Down Casing		Displacement 144 bbl		Packer Type	
						Tubing Vol. bbl		Casing Vol. 148 bbl		Annular Vol. 149 bbl	
										Packer Depth ft	
										Open Hole Vol 317 bbl	
Casing/Tubing Secured ☒		1 Hole Volume Circulated prior to Cementing ☐				Casing Tools		Squeeze Job			
Lift Pressure: 767 psi		Pipe Rotated ☐		Pipe Reciprocated ☐		Shoe Type: Guide		Squeeze Type		Hesitation	
No. Centralizers: 0		Top Plugs: 1		Bottom Plugs: 1		Shoe Depth: 1502 ft		Tool Type: Retainer			
Cement Head Type: Single						Stage Tool Type		Tool Depth: 1250 ft			
Job Scheduled For:		Arrived on Location: 2008-Sep-22 23:00		Leave Location: 2008-Sep-24 11:30		Stage Tool Depth: 0 ft		Tail Pipe Size: 0 in			
						Collar Type: Float		Tail Pipe Depth: 0 ft			
						Collar Depth: 1467 ft		Sqz Total Vol: 0 bbl			
Date	Time	Treating Pressure	Flow Rate	CMT DENS					Message		
	24 hr clock	psi	bbl/min	lb/gal							
2008-Sep-24	6:00	-0	0.0	8.42	0	0	0	0			
2008-Sep-24	6:01				0	0	0	0	Sign Auth.		
2008-Sep-24	6:01	0	0.0	8.43	0	0	0	0			
2008-Sep-24	6:01	0	0.0	8.42	0	0	0	0			
2008-Sep-24	6:01								Safety Meeting		
2008-Sep-24	6:02								Clear Lines		
2008-Sep-24	6:02	-1	0.0	8.42	0	0	0	0			
2008-Sep-24	6:02								Test Lines 3500 PSI		
2008-Sep-24	6:02	-0	0.0	8.42	0	0	0	0			
2008-Sep-24	6:02	-1	0.0	8.42	0	0	0	0			
2008-Sep-24	6:02								Drop Bottom Plug		
2008-Sep-24	6:02	0	0.0	8.43	0	0	0	0			
2008-Sep-24	6:03								Pump 20 BBLS F/W Spacer Ahead		
2008-Sep-24	6:36	8	0.8	8.42	0	0	0	0			
2008-Sep-24	6:38	21	0.0	8.42	0	0	0	0			
2008-Sep-24	6:40	8	0.0	8.42	0	0	0	0			
2008-Sep-24	6:42	36	2.3	8.42	0	0	0	0			
2008-Sep-24	6:44	136	5.1	8.42	0	0	0	0			
2008-Sep-24	6:46	229	6.6	8.42	0	0	0	0			
2008-Sep-24	6:48	270	6.5	11.19	0	0	0	0			
2008-Sep-24	6:48								Break Circulation		

Well			Field		Service Date		Customer		Job Number
Latigo Ranch #2-34			Cuervo		08268-Sep-24		SHELL OIL COMPANY		2201756790
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	
2008-Sep-24	6:48	289	6.6	11.19	0	0	0	0	
2008-Sep-24	6:48								Very Good Circulation At Surface
2008-Sep-24	6:48								Reset Total, Vol = 32.27 bbl
2008-Sep-24	6:48	303	6.6	11.19	0	0	0	0	
2008-Sep-24	6:48	396	8.0	11.27	0	0	0	0	
2008-Sep-24	6:50	399	8.0	11.50	0	0	0	0	
2008-Sep-24	6:51								Start Pump Cement At 7:01 AM NM Time
2008-Sep-24	6:51	397	8.0	11.52	0	0	0	0	
2008-Sep-24	6:52	393	8.0	11.53	0	0	0	0	
2008-Sep-24	6:52								Pump 408 SKS = 217 BBLS Lead Cement At 11.5 PPG
2008-Sep-24	6:52	415	8.0	11.54	0	0	0	0	
2008-Sep-24	6:52								Lead Set Time 5 Hours 28 Min.
2008-Sep-24	6:52	417	8.0	11.54	0	0	0	0	
2008-Sep-24	6:54	393	8.0	11.19	0	0	0	0	
2008-Sep-24	6:56	391	8.0	11.48	0	0	0	0	
2008-Sep-24	6:58	395	8.0	11.50	0	0	0	0	
2008-Sep-24	7:00	421	7.9	11.66	0	0	0	0	
2008-Sep-24	7:02								Very Good Circulation At Surface
2008-Sep-24	7:02	420	8.0	11.63	0	0	0	0	
2008-Sep-24	7:02	390	7.9	11.64	0	0	0	0	
2008-Sep-24	7:04	410	8.0	11.60	0	0	0	0	
2008-Sep-24	7:06	427	8.0	11.55	0	0	0	0	
2008-Sep-24	7:08	408	8.0	11.54	0	0	0	0	
2008-Sep-24	7:10	430	7.9	11.51	0	0	0	0	
2008-Sep-24	7:12	422	8.0	11.60	0	0	0	0	
2008-Sep-24	7:14	312	6.5	11.58	0	0	0	0	
2008-Sep-24	7:16	338	8.0	11.49	0	0	0	0	
2008-Sep-24	7:18	79	3.6	11.22	0	0	0	0	
2008-Sep-24	7:20	80	2.0	11.52	0	0	0	0	
2008-Sep-24	7:21								Start Pump Tail Cement At 7:30 AM NM Time
2008-Sep-24	7:21	82	2.0	11.83	0	0	0	0	
2008-Sep-24	7:22								Tail Cement 340 SKS = 108 BBLS At 13.5 PPG
2008-Sep-24	7:22	84	2.0	12.09	0	0	0	0	
2008-Sep-24	7:22	84	2.0	12.31	0	0	0	0	
2008-Sep-24	7:22								Tail Set Time 4 Hours & 5 Min.
2008-Sep-24	7:22	89	2.0	12.38	0	0	0	0	
2008-Sep-24	7:24	83	2.0	13.17	0	0	0	0	
2008-Sep-24	7:26	93	1.0	13.22	0	0	0	0	
2008-Sep-24	7:28	41	0.0	13.09	0	0	0	0	
2008-Sep-24	7:30	43	0.0	12.87	0	0	0	0	
2008-Sep-24	7:32	43	0.0	12.87	0	0	0	0	
2008-Sep-24	7:34	102	1.0	13.28	0	0	0	0	
2008-Sep-24	7:36	365	6.6	13.82	0	0	0	0	
2008-Sep-24	7:38	402	6.5	13.71	0	0	0	0	
2008-Sep-24	7:40	384	6.6	13.21	0	0	0	0	
2008-Sep-24	7:42	361	6.5	13.40	0	0	0	0	
2008-Sep-24	7:44	375	6.6	13.64	0	0	0	0	
2008-Sep-24	7:46	370	6.5	13.64	0	0	0	0	
2008-Sep-24	7:48	262	5.1	13.79	0	0	0	0	

Well			Field		Service Date		Customer		Job Number
Latigo Ranch #2-34			Cuervo		08268-Sep-24		SHELL OIL COMPANY		2201756790
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	
2008-Sep-24	7:50	239	5.0	13.52	0	0	0	0	
2008-Sep-24	7:52	54	0.0	13.65	0	0	0	0	
2008-Sep-24	7:54	54	0.0	14.12	0	0	0	0	
2008-Sep-24	7:56	151	5.1	8.91	0	0	0	0	
2008-Sep-24	7:58	144	5.0	8.58	0	0	0	0	
2008-Sep-24	8:00	169	5.0	8.42	0	0	0	0	
2008-Sep-24	8:01								End Tail Cement
2008-Sep-24	8:01	151	5.0	8.16	0	0	0	0	
2008-Sep-24	8:01	126	5.1	8.15	0	0	0	0	
2008-Sep-24	8:01								Stop Pumping
2008-Sep-24	8:02								Drop Plug
2008-Sep-24	8:02	155	5.0	8.28	0	0	0	0	
2008-Sep-24	8:02	175	5.0	8.41	0	0	0	0	
2008-Sep-24	8:02								Drop Plug
2008-Sep-24	8:02	126	5.1	8.42	0	0	0	0	
2008-Sep-24	8:04	78	5.0	1.11	0	0	0	0	
2008-Sep-24	8:06	199	5.1	8.43	0	0	0	0	
2008-Sep-24	8:08	319	6.6	8.42	0	0	0	0	
2008-Sep-24	8:10	355	6.6	8.43	0	0	0	0	
2008-Sep-24	8:12	377	6.6	8.43	0	0	0	0	
2008-Sep-24	8:14	441	6.6	8.42	0	0	0	0	
2008-Sep-24	8:16	484	6.6	8.42	0	0	0	0	
2008-Sep-24	8:18	522	6.6	8.42	0	0	0	0	
2008-Sep-24	8:20	354	2.3	8.42	0	0	0	0	
2008-Sep-24	8:22	366	2.2	8.43	0	0	0	0	
2008-Sep-24	8:24	378	2.2	8.43	0	0	0	0	
2008-Sep-24	8:26	939	0.0	8.43	0	0	0	0	
2008-Sep-24	8:28	31	0.0	8.43	0	0	0	0	
2008-Sep-24	8:30	824	0.3	8.37	0	0	0	0	
2008-Sep-24	8:32	1510	0.0	8.40	0	0	0	0	
2008-Sep-24	8:34	1514	0.0	8.40	0	0	0	0	
2008-Sep-24	8:34								Start Pump 144 BBLS F/W Displacement
2008-Sep-24	8:34	1514	0.0	8.40	0	0	0	0	
2008-Sep-24	8:35								Plug Down At 8:30 AM NM Time
2008-Sep-24	8:35	1513	0.0	8.40	0	0	0	0	
2008-Sep-24	8:36	1512	0.0	8.40	0	0	0	0	
2008-Sep-24	8:38	1512	0.0	8.40	0	0	0	0	
2008-Sep-24	8:40	1510	0.0	8.41	0	0	0	0	
2008-Sep-24	8:41	1511	0.0	8.41	0	0	0	0	
2008-Sep-24	8:41								Bump Plug 390 PSI To 950 PSI
2008-Sep-24	8:41								Check Float
2008-Sep-24	8:41	1510	0.0	8.41	0	0	0	0	
2008-Sep-24	8:41	1509	0.0	8.41	0	0	0	0	
2008-Sep-24	8:41								Float Held
2008-Sep-24	8:41								Test Casing 1500 PSI For 30 Min.
2008-Sep-24	8:41	1511	0.0	8.41	0	0	0	0	
2008-Sep-24	8:42	1510	0.0	8.41	0	0	0	0	
2008-Sep-24	8:43								Circulated 104 BBLS = 195 SKS Of Cement To Surface
2008-Sep-24	8:43	1510	0.0	8.41	0	0	0	0	
2008-Sep-24	8:44	1510	0.0	8.41	0	0	0	0	
2008-Sep-24	8:46	1511	0.0	8.41	0	0	0	0	

Well Latigo Ranch #2-34			Field Cuervo		Service Date 08268-Sep-24		Customer SHELL OIL COMPANY		Job Number 2201756790	
Date	Time 24 hr clock	Treating Pressure psi	Flow Rate bbl/min	CMT DENS lb/gal	0	0	0	0	Message	
2008-Sep-24	8:48	1507	0.0	8.41	0	0	0	0		
2008-Sep-24	8:50	1501	0.0	8.41	0	0	0	0		
2008-Sep-24	8:52	1498	0.0	8.41	0	0	0	0		
2008-Sep-24	8:54	1495	0.0	8.41	0	0	0	0		
2008-Sep-24	8:56	1493	0.0	8.41	0	0	0	0		
2008-Sep-24	8:58	1491	0.0	8.41	0	0	0	0		
2008-Sep-24	9:00	1490	0.0	8.41	0	0	0	0		
2008-Sep-24	9:02	1490	0.0	8.41	0	0	0	0		
2008-Sep-24	9:03								End Casing Test All Good Held 1500 PSI	
2008-Sep-24	9:03	1490	0.0	8.41	0	0	0	0		
2008-Sep-24	9:03								End Job	
2008-Sep-24	9:03	1489	0.0	8.41	0	0	0	0		
2008-Sep-24	9:04	1490	0.0	8.41	0	0	0	0		
2008-Sep-24	9:06	1489	0.0	8.41	0	0	0	0		
2008-Sep-24	9:08								Stopped Acquisition	
2008-Sep-24	9:08	31	0.0	8.40	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	
7.5	0	0	8		325	0	20	0	
Treating Pressure Summary, psi					Breakdown Fluid				
Maximum	Final	Average	Bump Plug to	Breakdown	Volume		Density		
950	0	350	950	0	0 bbl		8.34 lb/gal		
Avg. N2 Percent	Designed Slurry Volume		Displacement	Mix Water Temp	☒ Cement Circulated to Surface?	Volume		104 bbl	
0 %	0 bbl		144 bbl	°F	☐ Washed Thru Perfs	To		0 ft	
Customer or Authorized Representative			Schlumberger Supervisor						
Stampley, George			Cantu, Ernest			☐ CirculationLost		☒ Job Completed	

Well	34	Client	Shell Oil Company
Field	Latigo Ranch 2	SIR No.	2201756790
Engineer		Job Type	Cement 10 3/4 Surface CSG
Country	United States	Job Date	09-24-2008

