

**Well** ENGLISH FARMS 8-10HZ  
**Field** WATTENBURG  
**Engineer** NORM HASLAUER  
**Country** United States

**Client** ANADARKO  
**SIR No.** 2741215  
**Job Type** PRODUCTION  
**Job Date** 07-12-2018



# Cementing Service Report

				Customer ANADARKO			Job Number 2741215				
Well ENGLISH FARMS 8-10HZ EOZP-00357			Location (legal)		Schlumberger Location			Job Start Jul/12/2018			
Field WATTENBURG		Formation Name/Type		Deviation deg	Bit Size in		Well MD 20350.0 ft		Well TVD 7233.0 ft		
County WELD		State/Province Colorado		BHP psi	BHST 230 degF		BHCT 230 degF		Pore Press. Gradient lb/gal		
Well Master 0631773976		API/UWI									
Rig Name P564	Drilled For Gas		Service Via Land	Casing/ Liner							
				Depth, ft		Size, in	Weight, lb/ft		Grade	Thread	
Offshore Zone	Well Class New		Well Type Development	1886.0		9.6	36.0				
				20350.0		0.0	0.0				
Drilling Fluid Type		Max. Density lb/gal	Plastic Viscosity cP	Tubing/Drill Pipe							
				T/D	Depth, ft	Size, in	Weight, lb/ft		Grade	Thread	
Service Line Cementing		Job Type PRODUCTION									
Max. Allowed Tub. Press psi		Max. Allowed Ann. Press psi		WH Connection Double Cement head	Perforations/Open Hole						
					Top, ft		Bottom, ft		shot/ft	No. of Shots	Total Interval ft
					ft		ft				
					ft		ft				Diameter in
					Treat Down Casing		Displacement 473.0 bbl		Packer Type		Packer Depth ft
					Tubing Vol. bbl		Casing Vol. 473.0 bbl		Annular Vol. bbl		Openhole Vol. bbl
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>			Casing Tools			Squeeze Job			
Lift Pressure 2400 psi					Shoe Type Float			Squeeze Type			
Pipe Rotated <input type="checkbox"/>		Pipe Reciprocated <input type="checkbox"/>			Shoe Depth 20350.0 ft			Tool Type			
No. Centralizers		Top Plugs 1		Bottom Plugs 1	Stage Tool Type			Tool Depth ft			
Cement Head Type				Stage Tool Depth ft			Tail Pipe Size in				
Job Scheduled For Jul/12/2018		Arrived on Location Jul/12/2018		Leave Location Jul/12/2018	Collar Type Float			Tail Pipe Depth ft			
					Collar Depth 20348.0 ft			Sqz. Total Vol. bbl			
Date	Time 24-hr clock	Treating Pressure PSI	Flow Rate B/M	Density LB/G	Volume BBL	Message					
07/12/2018	08:53:04	136	0.1	8.35	0.0	Remark					
07/12/2018	09:17:13	81	0.0	8.35	6.5	Start Job					
07/12/2018	09:17:14	80	0.0	8.35	6.5	Pressure Test Lines					
07/12/2018	09:17:15	81	0.0	8.35	6.5	Bleed Off Pressure					
07/12/2018	09:18:35	81	0.0	8.34	6.5	Reset Total, Vol = 6.51 bbl					
07/12/2018	09:18:43	80	0.0	8.34	0.0	Start Pumping Spacer					
07/12/2018	09:38:54	-45	0.0	10.72	70.2	End Spacer					
07/12/2018	09:38:56	-46	0.0	10.94	70.2	Reset Total, Vol = 70.21 bbl					
07/12/2018	09:47:10	-63	0.0	10.81	70.3	Start Mixing Lead Slurry					
07/12/2018	09:50:00	947	6.2	11.96	81.7	scale weight 12 ppg					
07/12/2018	10:26:15	-103	0.0	12.00	347.1	End Lead Slurry					
07/12/2018	10:31:31	-108	0.0	11.45	347.5	Reset Total, Vol = 277.31 bbl					
07/12/2018	10:32:01	-109	0.0	11.46	347.5	Start Mixing Tail Slurry					
07/12/2018	10:40:00	735	8.3	13.49	407.6	scale weight 13.5 ppg					
07/12/2018	11:43:57	-54	0.7	9.63	835.0	Reset Total, Vol = 487.49 bbl					
07/12/2018	11:44:00	-49	1.0	9.57	835.0	End Tail Slurry					
07/12/2018	11:44:03	-48	1.1	9.55	835.1	Start Pumping Wash					
07/12/2018	11:57:02	-110	0.0	8.34	877.5	End Wash					
07/12/2018	11:57:12	-110	0.0	8.34	877.5	Drop Top Plug					
07/12/2018	11:57:43	-54	10.3	8.39	880.3	Reset Total, Vol = 45.43 bbl					
07/12/2018	11:57:53	-68	10.3	8.39	882.0	Start Displacement					

Well ENGLISH FARMS 8-10HZ EOZP-00357			Field WATTENBURG		Job Start Jul/12/2018		Customer ANADARKO		Job Number 2741215	
Date	Time 24-hr clock	Treating Pressure PSI		Flow Rate B/M	Density LB/G	Volume BBL	Message			
07/12/2018	13:23:58	1872		0.1	8.35	1391.1	End Displacement			
07/12/2018	13:24:00	1868		0.1	8.35	1391.1	Reset Total, Vol = 473.22 bbl			

Post Job Summary

Average Pump Rates, bbl/min					Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate		Total Slurry 756.0	Mud	Spacer 78.0		N2	
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum	Final 0	Average	Bump Plug to 3000	Breakdown	Type		Volume bbl		Density lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 756.0 bbl		Displacement 473.0 bbl		Mix Water Temp 76 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative JAMES ADKINS				Schlumberger Supervisor NORM HASLAUER				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-