

# Cementing Service Report

				Customer CHEVRON			Job Number 3232047											
Well RAMPART A33-760			Location (legal) SWSW Sec 21, T6N, R64W			Schlumberger Location CWY			Job Start Jul/29/2021									
Field DJ		Formation Name/Type			Deviation deg		Bit Size in		Well MD 1960.0 ft		Well TVD ft							
County WELD		State/Province Colorado			BHP psi		BHST 120 degF		BHCT 92 degF		Pore Press. Gradient lb/gal							
Well Master 066011720		API/UWI 05-123-50926																
Rig Name H@P 517		Drilled For Oil & Gas		Service Via Land		Casing/ Liner												
						Depth, ft		Size, in		Weight, lb/ft		Grade		Thread				
Offshore Zone N/A		Well Class New		Well Type Development		110.0		16.0		36.64		A-52A		8RD				
						1949.5		9.6		36.0		J-55		8RD				
Drilling Fluid Type Spud Mud			Max. Density 8.90 lb/gal		Plastic Viscosity cP		Tubing/Drill Pipe											
							T/D		Depth, ft		Size, in		Weight, lb/ft		Grade		Thread	
Service Line Cementing			Job Type SURFACE															
Max. Allowed Tub. Press psi			Max. Allowed Ann. Press psi		WH Connection		Perforations/Open Hole											
							Top, ft		Bottom, ft		shot/ft		No. of Shots		Total Interval			
<b>Service Instructions</b> FILL LINES WITH 5 BBLS OF FRESH WATER TEST LINES 500 PSI LOW 3000 PSI HIGH PUMP 30 BBLS OF WATER SPACER PUMP 538 SKS OF CLASS C @13.5# 161 BBLS YIELD 1.68 WR=8.93 TOC AT SURFACE PUMP 103 SKS OF CLASS C @15.2# 23 BBLS YIELD =1.25 WR=5.79 TOC @1622 FT DISPLACE 144.6 BBLS OF WATER BUMP THE PLUG TO 1200 PSI HOLD FOR 15 MINUTES TEST					ft		ft								Diameter			
					ft		ft								in			
					ft		ft											
			Treat Down Casing		Displacement 14465.0 bbl		Packer Type		Packer Depth ft									
			Tubing Vol. bbl		Casing Vol. 147.0 bbl		Annular Vol. 17.7 bbl		Openhole Vol. 155.0 bbl									
Casing/Tubing Secured <input type="checkbox"/>			1 Hole Vol. Circulated prior to Cement <input checked="" type="checkbox"/>			Casing Tools			Squeeze Job									
Lift Pressure 750 psi						Shoe Type Float			Squeeze Type									
Pipe Rotated <input type="checkbox"/>			Pipe Reciprocated <input type="checkbox"/>			Shoe Depth 1919.0 ft			Tool Type									
No. Centralizers 17			Top Plugs		Bottom Plugs		Stage Tool Type			Tool Depth ft								
Cement Head Type						Stage Tool Depth ft			Tail Pipe Size in									
Job Scheduled For Jul/29/2021 13:30			Arrived on Location Jul/29/2021 12:00		Leave Location Jul/29/2021 17:00		Collar Type Float			Tail Pipe Depth ft								
						Collar Depth 1874.0 ft			Sqz. Total Vol. bbl									
Date	Time 24-hr clock	CPF1_PRESS PSI	CPF1_TTL_RATE B/M	CPF1_DOWNHOLE_DENSITY LB/G	Message													
07/29/2021	14:26:07	2	0.0	8.38	Started Acquisition													
07/29/2021	14:41:00	1	0.0	8.38	Fill lines with 5 bbls of fresh water													
07/29/2021	14:42:00	2	0.0	8.38	Pressure Test Lines													
07/29/2021	14:47:00	2911	0.0	8.38	low =500 psi high 3000 psi													
07/29/2021	14:49:00	90	4.4	8.38	Start Pumping Spacer													
07/29/2021	14:51:00	133	6.5	8.40	pump 30 bbls of fresh water spacer													
07/29/2021	14:52:00	136	6.2	8.38	End Spacer													
07/29/2021	14:55:05	150	4.5	13.36	Start Mixing Lead Slurry													
07/29/2021	15:03:00	274	6.2	13.52	pump 538 sks of class c@13.5# 161 bbls													
07/29/2021	15:05:00	276	6.2	13.52	yield=1.68 wr=8.93													
07/29/2021	15:10:00	322	7.3	13.37	top of lead at surface													
07/29/2021	15:18:00	131	4.5	13.54	End Lead Slurry													
07/29/2021	15:22:00	-11	0.0	14.32	Start Mixing Tail Slurry													
07/29/2021	15:23:00	-7	0.0	13.78	pump 103 sks of class c @15.2# 23 bbls													
07/29/2021	15:24:00	128	3.2	15.17	yield =1.25 wr=5.79													
07/29/2021	15:25:00	129	3.3	15.17	top of cement at 1622 ft													
07/29/2021	15:28:00	119	2.0	14.83	End Tail Slurry													
07/29/2021	15:29:00	37	4.3	15.77	wash on top of the plug													
07/29/2021	15:30:00	9	0.0	5.14	Drop Top Plug													
07/29/2021	15:31:00	8	0.0	0.12	Start Displacement													
07/29/2021	15:53:00	569	6.5	8.40	got back 24 bbls to the surface													

Well RAMPART A33-760			Field DJ		Job Start Jul/29/2021		Customer CHEVERON		Job Number 3232047	
Date	Time 24-hr clock	CPF1_PRESS PSI		CPF1_TTL_RATE B/M		CPF1_DOWNHOLE_DENSITY LB/G		Message		
07/29/2021	16:00:00	580		2.2		8.40		hold casing test at 1200 psi for 15 mniutes		

## Post Job Summary

Average Pump Rates, bbl/ min					Volume of Fluid Injected, bbl					
Slurry 5.3	N2		Mud	Maximum Rate 7.4	Total Slurry 355.1	Mud 0.0	Spacer 0.2		N2	
Treating Pressure Summary, psi					Breakdown Fluid					
Maximum 3038	Final -4	Average 439	Bump Plug to 1200	Breakdown	Type FreshWater		Volume 144.6 bbl		Density 8.34 lb/gal	
Avg. N2 Percent %		Designed Slurry Volume 0.0 bbl		Displacement 0.5 bbl		Mix Water Temp 77 degF		Cement Circulated to Surface? <input type="checkbox"/>		Volume 24.0 bbl
								Washed Thru Perfs <input type="checkbox"/>		To ft
Customer or Authorized Representative JOHN				Schlumberger Supervisor ALBERT SNYDER				Circulation Lost <input type="checkbox"/>		Job Completed <input checked="" type="checkbox"/>
								-		-

<b>Well</b>	RAMPART	<b>Client</b>	CHEVERON
<b>Field</b>	DJ	<b>SIR No.</b>	3232047
<b>Engineer</b>	ALBERT SNYDER	<b>Job Type</b>	SURFACE
<b>Country</b>	United States	<b>Job Date</b>	07-29-2021

