

# Cementing Service Report

		Customer				Job Number			
		ENCANA USA - PARACHUTE FIELD OFC				2218529278			
Well		Location (legal)				Schlumberger Location			
EF15D-20 H29A 595 1		Grand Junction, CO				2009-Jan-25			
Field		Formation Name/Type		Deviation		Bit Size		Well MD	
N Parachute		Surface		°		12.2 in		1,800 ft	
County		State/Province		State/Province		State/Province		BHP	
BHCT		Pore Press. Gradient		State/Province		BHP		BHST	
Garfield		Colorado		Colorado		psi 100		°F 87	
psi/ft		0		0		°F		0	
Well Master:		API / UWI:		Casing/Liner					
Rig Name		Drilled For		Service Via		Depth, ft		Size, in	
PATTERSON 306		Gas				120		16	
Offshore Zone		Well Class		Well Type		1800		9.63	
		New		Development				36	
								J55	
								LTC	
Drilling Fluid Type		Max. Density		Plastic Viscosity		Depth,		Size, in	
Bentonite		9.6 lb/gal		21				Weight, lb/ft	
Service Line		Job Type						Grade	
								Thread	
Cementing		Cem Surface Casing		Perforations/Open Hole					
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		WellHead Connection		Top, ft		Bottom, ft	
2000 psi		500 psi		9 5/8" Cement		0		0	
Service Instructions						0		0	
Cement 1800ft 9 5/8" casing with:						0		0	
20 bbl water						Treat Down		Displacement	
263sks 12.5 G Lead								Packer Type	
139sks 14.0 G Tail								Packer Depth	
(25% XS)								ft	
						Casing		137 bbl	
						Tubing Vol.		Casing Vol.	
						bbl		140 bbl	
								Annular Vol.	
								111 bbl	
								OpenHole Vol	
								260 bbl	
Casing/Tubing Secured		1 Hole Volume Circulated prior to Cementing		Casing Tools					
Lift Pressure:		psi				Shoe Type:		Guide	
Pipe Rotated		25		Pipe Reciprocated		Shoe Depth:		1800 ft	
No. Centralizers:		25		Top Plugs:		1		Bottom Plugs:	
Cement Head Type:		Single		Bottom Plugs:		0		Stage Tool Type:	
in								Stage Tool Depth:	
								ft	
Job Scheduled For:		Arrived on Location:		Leave Location:		Collar Type:		Float	
		2009-Jan-25 19:00		2009-Jan-25 22:00		Collar Depth:		1756 ft	
Date		Time		Treating		Pressure		Flow Rate	
				psi		bbl/min		lb/gal	
						bbl		0	
						0		0	
						0		0	
2009-Jan-2		20:0		-1		0.0		8.45	
2009-Jan-2		20:0							
2009-Jan-2		20:0		-0		0.0		8.45	
2009-Jan-2		20:0		-1		0.0		8.45	
2009-Jan-2		20:0							
2009-Jan-2		20:0							
2009-Jan-2		20:1		474		0.0		8.45	
2009-Jan-2		20:1							
2009-Jan-2		20:1							
2009-Jan-2		20:1		474		0.0		8.45	
2009-Jan-2		20:1							
2009-Jan-2		20:1		3280		0.0		8.45	
2009-Jan-2		20:1							
2009-Jan-2		20:1		3264		0.0		8.45	
2009-Jan-2		20:1							
2009-Jan-2		20:1							
2009-Jan-2		20:1		3251		0.0		8.45	
2009-Jan-2		20:1		2		0.0		8.32	
2009-Jan-2		20:1		73		2.0		8.32	
2009-Jan-2		20:1							
2009-Jan-2		20:1							
								Start Pumping Water	
								20 bbls H2o	

Well	Field		Service Date		Customer		Job Number			
EF15D-20 H29A 595 #1	N Parachute		0925-Jan-25		ENCANA USA - PARACHUTE FIELD OFC		2218529278			
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	RDA1 IN1	RDA1 IN2	RDA1 IN3	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2009-Jan-2	20:1	52	2.0	8.32	1.1	N/A	N/A	N/A		
2009-Jan-2	20:1	52	1.8	8.32	1.1	N/A	N/A	N/A		
2009-Jan-2	20:1									Good returns
2009-Jan-2	20:1	205	5.1	8.32	6.5	N/A	N/A	N/A		
2009-Jan-2	20:1	249	5.1	8.32	16.7	N/A	N/A	N/A		
2009-Jan-2	20:1	246	5.0	8.32	22.9	N/A	N/A	N/A		
2009-Jan-2	20:1									End Water
2009-Jan-2	20:1	260	5.0	8.32	23.1	N/A	N/A	N/A		
2009-Jan-2	20:1	260	5.0	8.32	23.2	N/A	N/A	N/A		Start Mixing Scav Slurry
2009-Jan-2	20:1									Bring to weight
2009-Jan-2	20:1									8.34 ppg to 12.5 ppg
2009-Jan-2	20:1	256	5.0	8.32	23.3	N/A	N/A	N/A		
2009-Jan-2	20:1	322	5.0	12.34	25.1	N/A	N/A	N/A		
2009-Jan-2	20:1									End Scavenger Slurry
2009-Jan-2	20:1	321	5.0	12.34	25.2	N/A	N/A	N/A		
2009-Jan-2	20:1									Start Mixing Lead Slurry
2009-Jan-2	20:1									100 bbls @ 12.5 ppg
2009-Jan-2	20:1	334	5.0	12.33	25.3	N/A	N/A	N/A		
2009-Jan-2	20:1									Good returns
2009-Jan-2	20:1									Took 12.5 wet& dry
2009-Jan-2	20:1	307	5.0	12.31	25.4	N/A	N/A	N/A		
2009-Jan-2	20:1	421	6.5	12.28	27.1	N/A	N/A	N/A		
2009-Jan-2	20:2	413	6.5	12.63	40.1	N/A	N/A	N/A		
2009-Jan-2	20:2	409	6.5	12.58	53.1	N/A	N/A	N/A		
2009-Jan-2	20:2	281	5.1	12.53	65.1	N/A	N/A	N/A		
2009-Jan-2	20:2	367	6.5	12.54	76.9	N/A	N/A	N/A		
2009-Jan-2	20:2	362	6.5	12.52	89.9	N/A	N/A	N/A		
2009-Jan-2	20:3	352	6.5	12.53	102.9	N/A	N/A	N/A		
2009-Jan-2	20:3	183	3.7	12.49	115.1	N/A	N/A	N/A		
2009-Jan-2	20:3									End Lead Slurry
2009-Jan-2	20:3	178	3.7	13.54	115.9	N/A	N/A	N/A		
2009-Jan-2	20:3	181	3.7	13.74	116.0	N/A	N/A	N/A		
2009-Jan-2	20:3									Start Mixing Scav Slurry
2009-Jan-2	20:3									Bring to weight
2009-Jan-2	20:3	181	3.7	14.08	116.2	N/A	N/A	N/A		
2009-Jan-2	20:3	182	3.7	14.12	116.2	N/A	N/A	N/A		
2009-Jan-2	20:3									12.5 ppg t 14 ppg
2009-Jan-2	20:3	324	5.0	13.99	123.1	N/A	N/A	N/A		
2009-Jan-2	20:3									End Scavenger Slurry
2009-Jan-2	20:3	440	6.5	14.01	127.6	N/A	N/A	N/A		
2009-Jan-2	20:3	437	6.5	14.01	127.7	N/A	N/A	N/A		
2009-Jan-2	20:3									Start Mixing Tail Slurry
2009-Jan-2	20:3	441	6.5	14.01	127.8	N/A	N/A	N/A		
2009-Jan-2	20:3									38 bbls @ 14 ppg
2009-Jan-2	20:3	417	6.5	14.01	128.0	N/A	N/A	N/A		
2009-Jan-2	20:3									Took 14 ppg wet & dry
2009-Jan-2	20:3									Good returns
2009-Jan-2	20:3	422	6.5	14.04	135.3	N/A	N/A	N/A		
2009-Jan-2	20:3	307	5.1	14.18	147.1	N/A	N/A	N/A		
2009-Jan-2	20:4									End Tail Slurry
2009-Jan-2	20:4	270	5.0	13.96	154.7	N/A	N/A	N/A		
2009-Jan-2	20:4									Washup on plug

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Date	Time	Treating	Pressure	Flow Rate	Density	Volume	RDA1 IN1	RDA1 IN2	RDA1 IN3	Message	
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0			
2009-Jan-2	20:4	257	5.0	13.96	154.9	N/A	N/A	N/A			
2009-Jan-2	20:4	241	5.8	14.03	157.2	N/A	N/A	N/A			
2009-Jan-2	20:4									Drop Top Plug	
2009-Jan-2	20:4	25	0.1	14.20	159.1	N/A	N/A	N/A			
2009-Jan-2	20:4									Start Displacement	
2009-Jan-2	20:4	24	0.1	14.20	159.1	N/A	N/A	N/A			
2009-Jan-2	20:4	29	0.1	14.15	159.1	N/A	N/A	N/A			
2009-Jan-2	20:4									Displaced 137 bbls	
2009-Jan-2	20:4	175	3.6	8.68	161.0	N/A	N/A	N/A			
2009-Jan-2	20:4									Good returns	
2009-Jan-2	20:4	160	3.7	8.64	163.1	N/A	N/A	N/A			
2009-Jan-2	20:4	192	4.7	8.45	170.5	N/A	N/A	N/A			
2009-Jan-2	20:4	267	6.5	8.42	180.9	N/A	N/A	N/A			
2009-Jan-2	20:5	267	6.5	8.34	194.1	N/A	N/A	N/A			
2009-Jan-2	20:5	216	6.5	8.33	207.1	N/A	N/A	N/A			
2009-Jan-2	20:5	246	6.4	8.32	219.9	N/A	N/A	N/A			
2009-Jan-2	20:5	295	6.3	8.32	232.6	N/A	N/A	N/A			
2009-Jan-2	20:5	362	6.3	8.32	245.3	N/A	N/A	N/A			
2009-Jan-2	21:0	456	6.3	8.32	258.0	N/A	N/A	N/A			
2009-Jan-2	21:0	532	6.3	8.32	270.6	N/A	N/A	N/A			
2009-Jan-2	21:0	480	4.4	8.32	282.0	N/A	N/A	N/A			
2009-Jan-2	21:0	497	2.0	8.32	290.1	N/A	N/A	N/A			
2009-Jan-2	21:0	472	2.0	8.31	294.1	N/A	N/A	N/A			
2009-Jan-2	21:1	510	2.0	8.32	298.1	N/A	N/A	N/A			
2009-Jan-2	21:1									Bump Top Plug	
2009-Jan-2	21:1	1124	2.0	8.32	299.0	N/A	N/A	N/A			
2009-Jan-2	21:1	1180	1.8	8.32	299.1	N/A	N/A	N/A			
2009-Jan-2	21:1									10 bbls surface	
2009-Jan-2	21:1									Bumped @ 1200 psi	
2009-Jan-2	21:1	1285	0.7	8.32	299.1	N/A	N/A	N/A			
2009-Jan-2	21:1									End Displacement	
2009-Jan-2	21:1	1224	0.2	8.32	299.1	N/A	N/A	N/A			
2009-Jan-2	21:1									1 bbl back on bleedoff	
2009-Jan-2	21:1	1213	0.0	8.32	299.1	N/A	N/A	N/A			
2009-Jan-2	21:1	5	0.0	8.32	299.1	N/A	N/A	N/A			
Post Job Summary											
Average Pump Rates, bpm				Volume of Fluid				bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2				
5.28			6.51	133.66	0	21.96					
Treating Pressure Summary, psi				Breakdown Fluid				Density			
Maximum	Final	Average	Bump Plug to	Breakdown	Volume						
3294.4		327.17									
Avg. N2 Percent	Designed Slurry		Volume	Displacement	Mix Water Temp	bbl		lb/gal			
Volume	10		bbl					Cement Circulated to Surface?			
%		138 bbl	137.39 bbl	68	°F	Washed Thru Perfs	To	ft			
Customer or Authorized Representative				Schlumberger Supervisor							
Webb, Fred				Bolding, Russell				CirculationLost			
								Job Completed			