

Cementing Service Report

Customer										Job Number				
ENCANA USA - PARACHUTE FIELD OFC										2218529275				
Well		Location (legal)				Schlumberger Location				Job Start				
EF15B-20 H29A 595 1						Grand Junction, CO				2009-Jan-24				
Field		Formation Name/Type			Deviation		Bit Size		Well MD		Well TVD			
N Parachute		Surface			°		12.25 in		1,800 ft		1,800 ft			
County BHCT		State/Province			State/Province		State/Province		BHP		BHST			
Garfield		Pore Press. Gradient			State/Province		psi 100		°F 87		°F 0			
psi/ft		Colorado Colorado			Colorado 0									
Well Master:		API / UWI:			Casing/Liner									
Rig Name		Drilled For		Service Via		Depth, ft		Size, in		Weight, lb/ft		Grade	Thread	
PATTERSON 306		Gas		Land		120		16		65		H40	8RD	
Offshore Zone		Well Class		Well Type		1800		9.63		36		J55	LTC	
New				Development		Tubing/Drill Pipe								
Drilling Fluid Type		Max. Density		Plastic Viscosity		cp		Depth,Size,		inWeight,		lb/ft	Grade	
Thread														
Bentonite		9.6lb/gal		21										
Service Line		Job Type												
Cementing		Cem Surface Casing				Perforations/Open Hole								
Max. Allowed Tubing Pressure		Max. Allowed Ann. Pressure		WellHead Connection		Top, ft		Bottom, ft		spf		No. of Shots		Total Interval
2000 psi		500 psi		9 5/8" Cement Head		0		0		0		0		0 ft
Service Instructions						0		0		0		0		Diameter
Cement 1800ft 9 5/8" casing with:						0		0		0		0		in
20 bbl water						Treat Down		Displacement		Packer Type		Packer Depth		
263skts 12.5 G Lead														
139skts 14.0 G Tail						Casing		138 bbl						ft
(25% XS)						Tubing Vol.		Casing Vol.		Annular Vol.		OpenHole Vol		
						bbl		bbl		bbl		bbl		bbl
Casing/Tubing Secured		1 Hole Volume Circulated prior to Cementing				Casing Tools				Squeeze Job				
Lift Pressure:		907 psi				Shoe Type:		Guide		Squeeze Type				
Pipe Rotated		Pipe Reciprocated				Shoe Depth:		1833 ft		Tool Type:				
No. Centralizers:		25		Top Plugs:		1		Bottom Plugs:		0		Stage Tool Type:		ft
Cement Head Type:		Single						Stage Tool Depth:		ft		Tool Depth:		in
Job Scheduled For:		Arrived on Location:		Leave Location:		Collar Type:		Float		Tail Pipe Size:		Tail Pipe Depth:		ft
		2009-Jan-24		1:00		2009-Jan-24		5:00		Collar Depth:		1788 ft		Sqz Total Vol:
														bbl
Date		Time		Treating		Pressure		Flow Rate		Density		Volume		0
		24 hr clock		psi		bbl/min		lb/gal		bbl		0		0
2009-Jan-24		2:00		72		0.0		0.46		0.0		0		0
2009-Jan-24		2:24												Start Job
2009-Jan-24		2:24		72		0.0		3.96		0.0		0		0
2009-Jan-24		2:24												Safety meeting held
2009-Jan-24		2:24		68		0.0		3.97		0.0		0		0
2009-Jan-24		2:24												Rig up
2009-Jan-24		2:24		77		0.0		3.98		0.0		0		0
2009-Jan-24		2:24		72		0.0		4.10		0.0		0		0
2009-Jan-24		2:24												Pressure Test Lines
2009-Jan-24		2:24		72		0.0		4.13		0.0		0		0
2009-Jan-24		2:24												Lines flushed with 4bbl fresh water
2009-Jan-24		2:24		72		0.0		4.14		0.0		0		0
2009-Jan-24		2:24												Good low pressure test @ 1000psi
2009-Jan-24		2:24												Good high pressure test @ 3000psi
2009-Jan-24		2:24		72		0.0		4.15		0.0		0		0
2009-Jan-24		2:28		132		1.4		4.93		0.4		0		0
2009-Jan-24		2:33		100		0.0		5.88		2.6		0		0
2009-Jan-24		2:34												Start Pumping Wash
2009-Jan-24		2:34		159		3.8		7.61		3.4		0		0

Well		Field		Service Date		Customer		Job Number	
EF15B-20 H29A 595 #1		N Parachute		0924-Jan-24		ENCANA USA - PARACHUTE FIELD OFC		2218529275	
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0 Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	
2009-Jan-24	2:34	168	3.8	7.63	3.5	0	0	0	
2009-Jan-24	2:34								Fresh water
2009-Jan-24	2:36	274	6.6	8.51	12.3	0	0	0	
2009-Jan-24	2:36								Total 20bbl pumped
2009-Jan-24	2:38	356	5.4	10.95	24.8	0	0	0	
2009-Jan-24	2:38								End Wash
2009-Jan-24	2:38	379	5.7	11.27	25.2	0	0	0	
2009-Jan-24	2:38								Start Mixing Lead Slurry
2009-Jan-24	2:38	384	5.7	11.43	25.4	0	0	0	
2009-Jan-24	2:38								12.5ppg Class G
2009-Jan-24	2:38								Good returns
2009-Jan-24	2:38	370	5.7	11.50	25.5	0	0	0	
2009-Jan-24	2:38	402	5.7	12.29	26.9	0	0	0	
2009-Jan-24	2:38	416	5.9	12.59	27.9	0	0	0	
2009-Jan-24	2:38								Total 120bbl pumped
2009-Jan-24	2:43	342	4.8	12.31	53.4	0	0	0	
2009-Jan-24	2:48	356	6.1	12.98	86.0	0	0	0	
2009-Jan-24	2:50								End Lead Slurry
2009-Jan-24	2:50	132	4.2	8.82	99.6	0	0	0	
2009-Jan-24	2:50								Start Mixing Tail Slurry
2009-Jan-24	2:50	136	4.2	8.67	99.8	0	0	0	
2009-Jan-24	2:51								14ppg class G
2009-Jan-24	2:51	141	4.2	8.58	99.9	0	0	0	
2009-Jan-24	2:51	136	4.2	8.56	100.0	0	0	0	
2009-Jan-24	2:51								Good returns
2009-Jan-24	2:51	136	4.2	8.43	101.4	0	0	0	
2009-Jan-24	2:51								Total 41bbl pumped
2009-Jan-24	2:53	242	5.2	14.17	111.4	0	0	0	
2009-Jan-24	2:58	187	4.2	14.10	134.2	0	0	0	
2009-Jan-24	3:01								End Tail Slurry
2009-Jan-24	3:01	159	4.0	4.85	143.9	0	0	0	
2009-Jan-24	3:01								Drop Top Plug
2009-Jan-24	3:01	146	2.6	4.19	144.0	0	0	0	
2009-Jan-24	3:01	114	2.1	6.73	144.0	0	0	0	
2009-Jan-24	3:01								Start Displacement
2009-Jan-24	3:01	81	0.0	12.50	144.1	0	0	0	
2009-Jan-24	3:01								Reset Total, Vol = 144.14
2009-Jan-24	3:03	77	0.0	13.15	144.1	0	0	0	
2009-Jan-24	3:08	196	7.3	8.52	164.9	0	0	0	
2009-Jan-24	3:12								Fresh water
2009-Jan-24	3:12	200	7.3	0.42	191.9	0	0	0	
2009-Jan-24	3:12								Good returns
2009-Jan-24	3:12	205	7.3	8.68	192.6	0	0	0	
2009-Jan-24	3:12								Good cement @ 110bbl
2009-Jan-24	3:12	210	7.3	8.30	194.4	0	0	0	
2009-Jan-24	3:13	223	7.3	8.47	201.5	0	0	0	
2009-Jan-24	3:18	416	7.5	4.05	238.7	0	0	0	
2009-Jan-24	3:23	393	0.5	2.33	273.9	0	0	0	
2009-Jan-24	3:28	397	0.5	0.30	276.5	0	0	0	
2009-Jan-24	3:33	452	1.7	6.73	288.3	0	0	0	
2009-Jan-24	3:38								Bump Top Plug
2009-Jan-24	3:38	81	0.0	0.01	292.8	0	0	0	
2009-Jan-24	3:38								Bumped @ 1300psi
2009-Jan-24	3:38								Total 138bbl pumped

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Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0	Message
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0		
2009-Jan-24	3:38	86	0.0	-0.00	292.8	0	0	0		
2009-Jan-24	3:38									End Displacement
2009-Jan-24	3:38	81	0.0	0.01	292.8	0	0	0		
2009-Jan-24	3:38	77	0.0	0.01	292.8	0	0	0		
2009-Jan-24	3:38									Total 28bbl good cement back to surface
2009-Jan-24	3:38	81	0.0	-0.00	292.8	0	0	0		
2009-Jan-24	3:38									1bbl back after bleeding
2009-Jan-24	3:38	81	0.0	0.01	292.8	0	0	0		
2009-Jan-24	3:38									End Job
Post Job Summary										
Slurry		Average Pump Rates, N2		bpm		Volume of Fluid Injected, bbl		N2		
4						Maximum Rate		Total Slurry		
						7		143		
								0		20
Maximum	Final	Treating Pressure Summary, psi		Average		Bump Plug to		Breakdown		Density
5000				300		1300				
Avg. N2 Percent		Designed Slurry Volume		Displacement		Mix Water Temp		Cement Circulated to Surface?		Volume
		142 bbl		138 bbl		60 °F		Washed Thru Perfs To		ft
Customer or Authorized Representative		Webb, Fred		Schlumberger Supervisor		Shattuck, Richard		CirculationLost		Job Completed