Cementing Service Report

Customer	Job Number
ENCANA USA - PARACHUTE FIELD OFC	2218531826

Well	Location (legal)	Schlumberger Location	Job Start
EF01B-29 H29A 595 1		Grand Junction, CO	2009-Jan-16

Field	Formation Name/Type	Deviation	Bit Size	Well MD	Well TVD
North Parachute	Surface	°	12.2 in	1,800 ft	1,800 ft

County	State/Province	State/Province	State/Province	BHP	BHST
Garfield	Co	Co	Co 0	psi 100	°F 88 °F 0

BHCT	Pore Press. Gradient
	psi/ft

Well Master: 0631092450 **API / UWI:**

Rig Name	Drilled For	Service Via	Offshore Zone	Well Class	Well Type
Patterson 177	Gas	Land		New	Development

Casing/Liner

Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
120	16	65	H40	8RD
1800	9.63	36	J55	LTC

Tubing/Drill Pipe

Drilling Fluid Type	Max. Density	Plastic Viscosity	Depth, ft	Size, in	Weight, lb/ft	Grade	Thread
Bentonite	9.6 lb/gal	21 cp					

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
			0	0	0	0	Diameter
			0	0	0	0	0 in

Service Instructions

Cement 1800ft 9 5/8" casing with:
20 bbl water
270sks 12.5 G Lead
139sks 14.0 G Tail
(25% XS)

Treat Down	Displacement	Packer Type	Packer Depth
Casing	bbl		ft

Tubing Vol.	Casing Vol.	Annular Vol.	OpenHole Vol
bbl	bbl	bbl	bbl

Casing/Tubing Secured | **1 Hole Volume Circulated prior to Cementing**

Lift Pressure: 841 psi

Pipe Rotated | **Pipe Reciprocated**

No. Centralizers: 25 **Top Plugs:** 1 **Bottom Plugs:** 0

Cement Head Type: Single

Job Scheduled For: **Arrived on Location:** 2009-Jan-16 14:00 **Leave Location:** 2009-Jan-16 18:00

Casing Tools

Shoe Type:	Guide
Shoe Depth:	1800 ft
Stage Tool Type:	
Stage Tool Depth:	ft
Collar Type:	Float
Collar Depth:	1758 ft

Squeeze Job

Squeeze Type	
Tool Type:	
Tool Depth:	ft
Tail Pipe Size:	in
Tail Pipe Depth:	ft
Sqz Total Vol:	bbl

Date	Time (24 hr clock)	Treating psi	Pressure bbl/min	Flow Rate lb/gal	Density bbl	Volume 0	0	0	0	Message
2009-Jan-16	15:38									Start Job
2009-Jan-16	15:38	-1	0.0	0.01	0.0	0	0	0		
2009-Jan-16	15:39									Held Saftey Meeting
2009-Jan-16	15:39	-0	0.0	-0.00	0.0	0	0	0		
2009-Jan-16	15:39	-0	0.0	-0.01	0.0	0	0	0		
2009-Jan-16	15:39									Pressure Test Lines
2009-Jan-16	15:39	-0	0.0	-0.01	0.0	0	0	0		
2009-Jan-16	15:39									Pressure Test Good
2009-Jan-16	15:40	-1	0.0	-0.00	0.0	0	0	0		
2009-Jan-16	15:42	-0	0.0	0.00	0.0	0	0	0		
2009-Jan-16	15:43	45	2.0	0.00	1.3	0	0	0		
2009-Jan-16	15:45	13	0.0	0.00	1.9	0	0	0		
2009-Jan-16	15:47	2240	0.0	0.00	2.0	0	0	0		
2009-Jan-16	15:48	29	0.7	0.00	3.3	0	0	0		
2009-Jan-16	15:48									Start Pumping Spacer
2009-Jan-16	15:48									20bbls Water
2009-Jan-16	15:48	27	0.7	-0.00	3.3	0	0	0		
2009-Jan-16	15:48	27	0.7	-0.00	3.3	0	0	0		
2009-Jan-16	15:50	76	2.4	0.01	6.8	0	0	0		
2009-Jan-16	15:52	143	5.2	-0.03	13.9	0	0	0		
2009-Jan-16	15:53									Good Returns
2009-Jan-16	15:53	141	6.2	-0.03	21.4	0	0	0		

Well	Field	Service Date	Customer	Job Number
EF01B-29 H29A 595 #1	North Parachute	0916-Jan-16	ENCANA USA - PARACHUTE FIELD OFC	2218531826

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-16	15:54	15	1.0	-0.02	22.5	0	0	0		
2009-Jan-16	15:55	10	1.0	3.06	24.3	0	0	0		
2009-Jan-16	15:56									End Spacer
2009-Jan-16	15:56	11	1.0	8.56	24.6	0	0	0		
2009-Jan-16	15:57	81	2.9	12.07	26.5	0	0	0		
2009-Jan-16	15:57									Start Mixing Lead Slurry
2009-Jan-16	15:57	90	4.1	12.25	28.5	0	0	0		
2009-Jan-16	15:58									101bbls 12.5ppg Lead
2009-Jan-16	15:58	98	4.3	12.25	28.6	0	0	0		
2009-Jan-16	15:58	128	4.4	12.33	30.4	0	0	0		
2009-Jan-16	15:58									Good Returns
2009-Jan-16	15:59	127	4.3	12.46	32.8	0	0	0		
2009-Jan-16	15:59	133	4.4	12.50	33.5	0	0	0		
2009-Jan-16	15:59									Wet/Dry Samples = 12.5ppg
2009-Jan-16	16:00	109	4.5	12.42	40.2	0	0	0		
2009-Jan-16	16:02	183	6.2	12.39	49.5	0	0	0		
2009-Jan-16	16:04	176	6.1	12.20	59.8	0	0	0		
2009-Jan-16	16:05	79	4.5	11.97	69.7	0	0	0		
2009-Jan-16	16:07	73	4.5	12.35	77.3	0	0	0		
2009-Jan-16	16:09	108	4.4	12.68	84.7	0	0	0		
2009-Jan-16	16:10	96	4.4	12.61	92.1	0	0	0		
2009-Jan-16	16:12	97	4.4	12.24	99.4	0	0	0		
2009-Jan-16	16:14	93	4.4	12.28	106.8	0	0	0		
2009-Jan-16	16:15	96	4.4	12.34	114.1	0	0	0		
2009-Jan-16	16:17									End Lead Slurry
2009-Jan-16	16:17	95	4.4	12.23	120.9	0	0	0		
2009-Jan-16	16:17									100bbls Pumped
2009-Jan-16	16:17	92	4.4	12.23	121.4	0	0	0		
2009-Jan-16	16:19	-1	0.0	12.31	127.7	0	0	0		
2009-Jan-16	16:19	-7	0.0	12.48	127.7	0	0	0		
2009-Jan-16	16:19									Shut down- Batch up Tail
2009-Jan-16	16:20	7	0.1	12.13	127.8	0	0	0		
2009-Jan-16	16:21									Start Mixing Tail Slurry
2009-Jan-16	16:21	15	1.9	14.18	128.0	0	0	0		
2009-Jan-16	16:21									39bbls 14.0ppg Tail
2009-Jan-16	16:21	29	2.0	14.25	128.1	0	0	0		
2009-Jan-16	16:22	75	3.3	14.18	129.9	0	0	0		
2009-Jan-16	16:22									Wet/Dry Samples = 14.0ppg
2009-Jan-16	16:22	172	4.3	14.21	130.7	0	0	0		
2009-Jan-16	16:22									Good Returns
2009-Jan-16	16:22	126	4.6	14.16	133.0	0	0	0		
2009-Jan-16	16:24	141	4.5	14.06	138.3	0	0	0		
2009-Jan-16	16:25	114	4.5	14.00	145.8	0	0	0		
2009-Jan-16	16:27	137	4.5	13.86	153.3	0	0	0		
2009-Jan-16	16:29	104	4.5	13.80	160.8	0	0	0		
2009-Jan-16	16:30	128	4.6	13.78	168.4	0	0	0		
2009-Jan-16	16:30									End Tail Slurry
2009-Jan-16	16:30	170	4.6	13.76	169.4	0	0	0		
2009-Jan-16	16:30									43bbls Pumped
2009-Jan-16	16:30	48	4.5	14.12	169.5	0	0	0		
2009-Jan-16	16:31									Drop Top Plug
2009-Jan-16	16:31	-0	2.1	1.39	169.8	0	0	0		
2009-Jan-16	16:32									Start Displacement
2009-Jan-16	16:32	-3	0.0	14.49	170.3	0	0	0		

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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-16	16:32	0	0.2	14.40	170.4	0	0	0		
2009-Jan-16	16:34	1	0.0	13.31	170.4	0	0	0		
2009-Jan-16	16:35	3	2.0	9.13	174.0	0	0	0		
2009-Jan-16	16:37	29	3.4	8.77	179.1	0	0	0		
2009-Jan-16	16:37									136bbls Fresh Water
2009-Jan-16	16:37	25	3.4	8.76	179.6	0	0	0		
2009-Jan-16	16:39	46	4.7	8.68	185.0	0	0	0		
2009-Jan-16	16:40	107	6.6	8.32	194.9	0	0	0		
2009-Jan-16	16:42	101	6.6	8.35	205.9	0	0	0		
2009-Jan-16	16:44	107	6.6	8.36	216.8	0	0	0		
2009-Jan-16	16:45									Good Returns
2009-Jan-16	16:45	108	6.6	8.35	226.6	0	0	0		
2009-Jan-16	16:45	110	6.6	8.35	227.8	0	0	0		
2009-Jan-16	16:47	154	6.5	8.36	238.7	0	0	0		
2009-Jan-16	16:49	201	6.5	8.36	249.5	0	0	0		
2009-Jan-16	16:50	265	6.5	8.36	260.3	0	0	0		
2009-Jan-16	16:52	319	6.4	8.36	271.2	0	0	0		
2009-Jan-16	16:54	440	6.4	8.37	281.9	0	0	0		
2009-Jan-16	16:55	502	6.4	8.37	292.6	0	0	0		
2009-Jan-16	16:55									Cement to Surface
2009-Jan-16	16:55	459	6.4	8.37	293.4	0	0	0		
2009-Jan-16	16:57	454	4.3	8.37	300.2	0	0	0		
2009-Jan-16	16:59	366	2.2	8.37	305.4	0	0	0		
2009-Jan-16	17:00	380	2.2	8.37	309.1	0	0	0		
2009-Jan-16	17:02									Bump Top Plug
2009-Jan-16	17:02									End Displacement
2009-Jan-16	17:02	1050	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:02	1049	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:02	1047	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:02									135bbls Pumped
2009-Jan-16	17:02	1045	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:02									35bbls Cement to Surface
2009-Jan-16	17:04	1047	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:05									Held 3 min
2009-Jan-16	17:05	1050	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:05	876	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:06									.5bbls Back
2009-Jan-16	17:06	-3	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:07	-2	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:09	-1	0.0	8.37	312.2	0	0	0		
2009-Jan-16	17:10	-1	0.0	8.37	312.2	0	0	0		

Post Job Summary

Average Pump Rates, bpm

Slurry	N2	Mud	Maximum Rate	Total Slurry
6			6.5	143

Volume of Fluid Injected, bbl

Mud	Spacer	N2
0	20	

Treating Pressure Summary, psi

Maximum	Final	Average	Bump Plug to	Breakdown
1000		100	1048	

Breakdown Fluid

Volume	Density
bbl	lb/gal

Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp
%	140 bbl	135 bbl	43 °F

Cement Circulated to Surface? Volume 35 bbl

Washed Thru Perfs To ft

Customer or Authorized Representative	Schlumberger Supervisor	CirculationLost	Job Completed
Childers, Curt	Strickler, Nikole		