

Cementing Service Report

Customer

ENCANA USA - PARACHUTE FIELD OFC

Job Number

2218531480

Well

EF06D-20 C29 595 1

Location (legal)

Schlumberger Location

Field

North Parachute

Formation Name/Type

Surface

Deviation

°

Grand Junction, CO

2008-Nov-17

County

Garfield

State/Province

State/Province

State/Province

BHP

BHST

BHCT

psi/ft

Co

Co

Co 0

psi 113

°F 93

°F

0

Well Master:

0631076645

API / UWI:

Service Via

Depth, ft

Size, in

Weight, lb/ft

Grade

Thread

Rig Name

PATTERSON 185

Drilled For

Gas

120

16

65

Offshore Zone

Well Class

Well Type

2800

9.63

36

J55

LTC

Drilling Fluid Type

Max. Density

Plastic Viscosity

CP

Depth,Size,

inWeight,

lb/ft

Grade

Thread

Bentonite

Service Line

Job Type

9.9 lb/gal

16

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 2800ft 9 5/8" casing with:

0

0

0

0

0 in

20 bbl water

Treat Down

Displacement

Packer Type

Packer Depth

490sks 12.5 G Lead

Casing

bbl

ft

139sks 14.0 G Tail

Tubing Vol.

Casing Vol.

Annular Vol.

OpenHole Vol

(25% XS)

bbl

bbl

bbl

bbl

Add 1#/bbl CemNET to lead slurry

Casing/Tubing Secured

1 Hole Volume Circulated prior to Cementing

Casing Tools

Squeeze Job

Lift Pressure:

1394 psi

Shoe Type:

Guide

Squeeze Type

Pipe Rotated

50

Top Plugs:

1

Pipe Reciprocated

Shoe Depth:

2778 ft

Tool Type:

No. Centralizers:

50

Bottom Plugs:

0

Stage Tool Type:

ft

Tool Depth:

ft

Cement Head Type:

Single

Stage Tool Depth:

ft

Tail Pipe Size:

in

Job Scheduled For:

Arrived on Location:

Leave Location:

Collar Type:

Float

Tail Pipe Depth:

ft

2008-Nov-16

21:00

2008-Nov-17

10:00

Collar Depth:

2732 ft

Sqz Total Vol:

bbl

Date

Time

Treating

Pressure

Flow Rate

Density

Volume

0

0

0

Message

24 hr clock

psi

bbl/min

lb/gal

bbl

0

0

0

2008-Nov-17

6:15

356

5.9

8.35

0.1

0

0

0

2008-Nov-17

6:15

356

5.9

8.35

0.2

0

0

0

2008-Nov-17

6:15

Start Job

2008-Nov-17

6:15

356

5.9

8.35

0.5

0

0

0

2008-Nov-17

6:15

Pressure Test Lines

2008-Nov-17

6:15

PSI Test Good

2008-Nov-17

6:15

361

5.9

8.35

0.7

0

0

0

2008-Nov-17

6:15

Start Pumping Wash

2008-Nov-17

6:15

352

5.9

8.35

1.2

0

0

0

2008-Nov-17

6:17

72

0.3

8.35

3.2

0

0

0

2008-Nov-17

6:18

59

0.0

8.35

3.4

0

0

0

2008-Nov-17

6:19

Good Returns

2008-Nov-17

6:19

77

0.0

8.35

3.4

0

0

0

2008-Nov-17

6:19

20 bbl Water

2008-Nov-17

6:20

114

0.0

8.35

3.4

0

0

0

2008-Nov-17

6:22

114

0.0

8.35

3.4

0

0

0

2008-Nov-17

6:23

136

3.8

8.35

7.0

0

0

0

2008-Nov-17

6:25

246

4.8

8.85

15.2

0

0

0

2008-Nov-17

6:26

End Wash

2008-Nov-17

6:26

260

4.8

11.48

18.3

0

0

0

2008-Nov-17

6:26

Start Mixing Lead Slurry

2008-Nov-17

6:26

228

4.7

12.00

19.3

0

0

0

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Well		Field		Service Date		Customer		Job Number	
EF06D-20 C29 595 #1		North Parachute		08322-Nov-17		ENCANA USA - PARACHUTE FIELD OFC		2218531480	
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	Message
2008-Nov-17	6:26	242	4.7	12.14	19.5	0	0	0	
2008-Nov-17	6:26								182 bbl @12.5ppg
2008-Nov-17	6:26								Wet/Dry Samples=12,5ppg
2008-Nov-17	6:27	223	4.7	12.82	23.0	0	0	0	
2008-Nov-17	6:28	187	4.8	12.18	31.0	0	0	0	
2008-Nov-17	6:30	200	6.2	12.35	39.7	0	0	0	
2008-Nov-17	6:32	237	6.1	12.68	49.9	0	0	0	
2008-Nov-17	6:33	210	6.1	12.43	60.1	0	0	0	
2008-Nov-17	6:35	214	6.1	12.92	68.8	0	0	0	
2008-Nov-17	6:35								Good Returns
2008-Nov-17	6:35	196	6.1	12.72	70.2	0	0	0	
2008-Nov-17	6:37	173	6.1	12.20	80.4	0	0	0	
2008-Nov-17	6:38	210	6.2	12.34	90.6	0	0	0	
2008-Nov-17	6:40	191	6.1	12.55	100.9	0	0	0	
2008-Nov-17	6:42	187	6.1	12.69	111.1	0	0	0	
2008-Nov-17	6:43	219	6.1	12.56	121.3	0	0	0	
2008-Nov-17	6:45	219	6.1	12.41	131.5	0	0	0	
2008-Nov-17	6:47	200	6.1	12.43	141.7	0	0	0	
2008-Nov-17	6:48	214	6.1	12.85	151.9	0	0	0	
2008-Nov-17	6:50	200	6.1	13.06	162.1	0	0	0	
2008-Nov-17	6:52	205	6.1	12.48	172.3	0	0	0	
2008-Nov-17	6:53	214	6.1	12.31	182.5	0	0	0	
2008-Nov-17	6:55	228	6.1	12.46	192.7	0	0	0	
2008-Nov-17	6:57	196	6.1	12.59	203.0	0	0	0	
2008-Nov-17	6:58	173	6.2	12.56	213.2	0	0	0	
2008-Nov-17	6:59								End Lead Slurry
2008-Nov-17	6:59	219	6.2	12.55	217.8	0	0	0	
2008-Nov-17	7:00								Start Mixing Tail Slurry
2008-Nov-17	7:00	233	6.1	13.88	221.1	0	0	0	
2008-Nov-17	7:00	228	6.1	14.00	223.4	0	0	0	
2008-Nov-17	7:02	246	6.1	14.08	233.6	0	0	0	
2008-Nov-17	7:03								Good Returns
2008-Nov-17	7:03	233	6.1	14.18	240.3	0	0	0	
2008-Nov-17	7:03	246	6.1	14.20	243.8	0	0	0	
2008-Nov-17	7:04	242	6.1	14.07	248.5	0	0	0	
2008-Nov-17	7:04								Wet/Dry Samples=14ppg
2008-Nov-17	7:05	223	6.1	13.97	253.9	0	0	0	
2008-Nov-17	7:06	233	6.2	13.30	260.3	0	0	0	
2008-Nov-17	7:06								38bbl @14ppg
2008-Nov-17	7:07	63	0.0	13.27	261.9	0	0	0	
2008-Nov-17	7:08	59	0.0	12.09	261.9	0	0	0	
2008-Nov-17	7:08								End Tail Slurry
2008-Nov-17	7:08	59	0.0	11.80	261.9	0	0	0	
2008-Nov-17	7:09								Drop Top Plug
2008-Nov-17	7:09	59	0.0	11.11	261.9	0	0	0	
2008-Nov-17	7:09	59	0.0	11.06	261.9	0	0	0	
2008-Nov-17	7:09								Start Displacement
2008-Nov-17	7:10	91	0.0	9.64	261.9	0	0	0	
2008-Nov-17	7:10	95	1.4	9.00	262.3	0	0	0	
2008-Nov-17	7:10								211bbl Water
2008-Nov-17	7:12	123	1.7	8.36	264.3	0	0	0	
2008-Nov-17	7:13	118	1.7	8.41	267.1	0	0	0	
2008-Nov-17	7:15	104	1.6	8.28	269.8	0	0	0	
2008-Nov-17	7:17	100	1.6	8.28	272.5	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		
2008-Nov-17	7:18	114	1.6	8.34	275.3	0	0	0		
2008-Nov-17	7:20	114	1.6	8.33	278.0	0	0	0		
2008-Nov-17	7:22	109	0.2	8.33	280.6	0	0	0		
2008-Nov-17	7:23	114	0.0	8.33	280.6	0	0	0		
2008-Nov-17	7:25	168	4.2	8.33	283.2	0	0	0		
2008-Nov-17	7:27	274	4.1	8.33	290.2	0	0	0		
2008-Nov-17	7:28	329	4.9	8.33	297.7	0	0	0		
2008-Nov-17	7:30	329	4.8	8.33	305.7	0	0	0		
2008-Nov-17	7:30									Good Returns
2008-Nov-17	7:30	274	4.8	8.33	308.4	0	0	0		
2008-Nov-17	7:32	379	4.7	8.33	313.6	0	0	0		
2008-Nov-17	7:33	393	4.6	8.33	321.4	0	0	0		
2008-Nov-17	7:35	402	4.7	8.33	329.1	0	0	0		
2008-Nov-17	7:37	287	4.2	8.33	336.7	0	0	0		
2008-Nov-17	7:38	379	4.5	8.33	344.5	0	0	0		
2008-Nov-17	7:40	429	4.4	8.33	352.0	0	0	0		
2008-Nov-17	7:42	384	4.4	8.33	359.4	0	0	0		
2008-Nov-17	7:43	617	4.4	8.33	366.8	0	0	0		
2008-Nov-17	7:45	594	4.5	8.33	374.3	0	0	0		
2008-Nov-17	7:47	585	4.4	8.32	381.8	0	0	0		
2008-Nov-17	7:48	434	4.2	8.32	389.1	0	0	0		
2008-Nov-17	7:50	713	4.4	8.32	396.6	0	0	0		
2008-Nov-17	7:52	439	4.4	8.32	404.0	0	0	0		
2008-Nov-17	7:53	741	4.5	8.32	411.4	0	0	0		
2008-Nov-17	7:55	722	4.5	8.32	418.7	0	0	0		
2008-Nov-17	7:57	667	4.3	8.32	426.0	0	0	0		
2008-Nov-17	7:58	580	4.4	8.32	433.3	0	0	0		
2008-Nov-17	8:00	640	4.3	8.32	440.5	0	0	0		
2008-Nov-17	8:02	818	4.2	8.32	447.6	0	0	0		
2008-Nov-17	8:03	805	3.8	8.32	454.2	0	0	0		
2008-Nov-17	8:05	617	3.6	8.32	460.4	0	0	0		
2008-Nov-17	8:07	722	0.0	8.32	463.5	0	0	0		
2008-Nov-17	8:07									Bump Top Plug
2008-Nov-17	8:07	1061	0.0	8.31	463.9	0	0	0		
2008-Nov-17	8:07	1084	0.0	8.31	463.9	0	0	0		
2008-Nov-17	8:07									End Displacement
2008-Nov-17	8:07	1075	0.0	8.31	463.9	0	0	0		
2008-Nov-17	8:07									Pumped 112bbl Water
2008-Nov-17	8:07									1bbl Back
2008-Nov-17	8:08	1180	0.0	8.31	464.0	0	0	0		
2008-Nov-17	8:10	77	0.0	8.32	464.0	0	0	0		
2008-Nov-17	8:12	77	0.0	8.32	464.0	0	0	0		
2008-Nov-17	8:13	1198	0.0	8.33	465.3	0	0	0		
2008-Nov-17	8:15	1189	0.0	8.33	465.3	0	0	0		
2008-Nov-17	8:17	59	0.0	8.33	465.3	0	0	0		
2008-Nov-17	8:18	59	0.0	8.33	465.3	0	0	0		
2008-Nov-17	8:20	63	0.0	8.33	465.3	0	0	0		
2008-Nov-17	8:21	54	0.0	8.34	465.3	0	0	0		
2008-Nov-17	8:21									End Job

Well		Field		Service Date		Customer		Job Number	
EF06D-20 C29 595 #1		North Parachute		08322-Nov-17		ENCANA USA - PARACHUTE FIELD OFC		2218531480	
Date	Time	Treating	Pressure	Flow Rate	Density	Volume	0	0	0
	24 hr clock	psi	bbl/min	lb/gal	bbl	0	0	0	Message
Post Job Summary									
Average Pump Rates, bpm				Volume of Fluid Injected, bbl					
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2		
4.5			6	220		20			
Treating Pressure Summary, psi				Breakdown Fluid					
Maximum	Final	Average	Bump Plug to	Breakdown	Volume	Density			
1200		250	1200			bbl	lb/gal		
Avg. N2 Percent		Designed Slurry Volume	Displacement	Mix Water Temp	Cement Circulated to Surface?	Volume	78	bbl	
%		220 bbl	112 bbl	82 °F	Washed Thru Perfs	To	ft		
Customer or Authorized Representative				Schlumberger Supervisor					
Burke, Randy				Strickler, Nikole		CirculationLost		Job Completed	