



N. Piceance B36 Surface Cement Info

		Well Name	SGU 8501A-36 B36 496
		API Number	05-045-18996
		Hole Size	14-3/4"
		Casing Size	9-5/8" w/ 1.9" Parasite
		Casing Depth (ft)	3118
		Lift pressure prior to plug bump (psi)	~0
	Lead	Sacks	922
		Yield (ft3/sx)	2.83
		Weight (ppg)	9
	Tail	Sacks	300
		Yield (ft3/sx)	1.76
		Weight (ppg)	12.5
	Top-Out	Sacks	306
		Yield (ft3/sx)	1.65
		Weight (ppg)	14.2
	Top-Out	Sacks	500
		Yield (ft3/sx)	1.17
		Weight (ppg)	15.8
	bbls cmt to Surf		0
	Pre Top-Out cmt top		400
	Verified w/ CBL		

Laboratory Cement Test Report-9.0 LiteCRETE Slurry PB 3 @ 95 BHCT

Fluid No : GCO 10PB009002	Client : Encana	Location / Rig : Patterson 308	Signatures
Date : Mar-15-2010	Well Name : SGU 8502B-36 B36 496	Field :	Aida Vazquez

Job Type	Surface	Depth	3000.0 ft	TVD	3000.0 ft
BHST	115 degF	BHCT	95 degF	BHP	1750 psi
Starting Temp.	80 degF	Time to Temp.	00:21 hr:mn	Heating Rate	0.71 degF/min
Starting Pressure	325 psi	Time to Pressure	00:21 hr:mn	Schedule	9.4-3

Composition

Slurry Density	9.00 lb/gal	Yield	2.81 ft ³ /sk	Mix Fluid	10.417 gal/sk
Solid Vol. Fraction	50.4 %	Porosity	49.6 %	Slurry type	LiteCRETE

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
9.0 LiteCRET		100 lb of BLEND	Blend	71.88 lb/ft ³	
Fresh water	10.417 gal/sk		Base Fluid		

D046	0.200 %BWOB	Antifoam	TU9J0236AO
D065	0.800 %BWOB	Dispersant	XL1617SC21
D079	0.800 %BWOB	Extender	44201501A
D013	0.400 %BWOB	Retarder	KB10W-02S3SM

Rheology (Average readings)

(rpm)	(deg)	(deg)
300	45.0	44.0
200	30.0	29.5
100	16.5	16.0
60	11.5	12.0
30	8.5	7.5
6	6.0	5.5
3	4.5	4.5

Temperature	80 degF	95 degF
Pv : 40.254 cP		Pv : 39.443 cP
Ty : 4.00 lbf/100ft ²		Ty : 3.93 lbf/100ft ²

Thickening Time

Consistency	Time
POD :	04:13 hr:mn
30 Bc	04:19 hr:mn
50 Bc	05:01 hr:mn
70 Bc	05:20 hr:mn
Remark : Thickening time do not include batch time	

Free Fluid

0.0 mL/250mL	in 2 hrs
At 95 degF and 0 deg incl.	
Sedimentation	None

UCA Compressive Strength

Time	CS
06:26 hr:mn	50 psi
07:06 hr:mn	500 psi
24:00 hr:mn	804 psi
72:00 hr:mn	1504 psi

Fluid Loss

API Fluid Loss	402 mL
82 mL in 5 min at 95 degF	and 1000 psi