



PO Box 910  
1434 CR 422  
Pleasanton, Tx 78064

## Single Pilot Test Report

Job ID: CPS20-182  
Client: BPX  
Well: UPRR 23 Pan AM B1  
Rig:

Date: 12/11/2020  
Signatures: *Lance Schubert*  
Test #: P5-8  
String: Plug

### SLURRY COMPOSITION

Code	Conc	Function	Lot#
Class H	100 %SK	Class H (Lehigh)	
Fresh Water			

AF046	0.2%BWOC	Antifoam Agent
FL008	0.1%BWOC	Fluid Loss Wide Temp
EA178	0.5%BWOC	Expanding Agent
CD121	0.5%BWOC	Dispersant
CR800	0.3%BWOC	Retarder, Moderate
GC701	2gal/sk	Stabilized Latex

### WELL CONDITIONS

Mud Density: 9.5 lb/gal

MD:	2850 ft	BHST:	111 degF
TVD:	2850 ft	BHCT:	95 degF

### CEMENT BLEND

Definition:	100% Class H (Lehigh)
Class (Brand):	Class H (Lehigh)
Slurry Density:	16.4 lb/gal
Slurry Yield:	1.08 ft <sup>3</sup> /sk
Mix Water:	2.34 gal/sk
Mix Fluid:	4.34 gal/sk
SVF:	0.46 %
Porosity:	0.54 %

### RHEOLOGY

RPM	At 80 degF	At degF
300		
200		
100		
60		
30		
6		
3		

10 sec Gel		
10 min Gel		

Pv (cp)		
Ty (lbf/100ft <sup>2</sup> )		

### THICKENING TIME

Bc	hr:mn
15	
30	
50	
70	
100	
Set Condition:	
Batch Mix: none	

### FREE FLUID

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### COMPRESSIVE STRENGTH

hr:mn	psi
12:00	23
24:00	1522
48:00	2796
72:00	3173
12:35	50 psi
16:15	500 psi

\*\*\* CS Data from UCA

### FLUID LOSS

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### COMMENTS

\* Rheology pre-conditioned at 95°F, 14.7 psi, 20 min  
\*\* TT tested at 95°F, 800 psi, with initial Pressure of 500 psi and 6 min ramp time  
\*\*\* UCA tested at 95°F, 800 psi confining pressure