

Cementing Job Log

Customer: WPX Energy, Inc.
 Well Name: Schepmann #1-21H
 City: Iuka
 State: Kansas
 Contractor & rig#: Duke #20
 Well Type: New development well
 Sales person: Kevin Gordley
 Pump truck#: 77686-19905

Customer Rep: Jimmy
 API#:
 County: Pratt
 Legal Description: 21-26S-13W
 Job Purpos Cement 7" Intermediate
 Job Type: Cement 7" Intermediate
 Cement Supervisor: Clarence Messick
 Ticket #: 1718-08810 A

Activity:	Date/Time	Rate	Volume	Psi	Comments:
		BPM	bbl	Psi	
On location	8/14/2013 2:30 PM				Time on location
Safety meeting	8/14/2013 2:45 PM				
Rig up	8/14/2013 3:00 PM				
PSI test	8/14/2013 4:30 PM			3000	Test pump & line- 3000 psi
Pump spacer	8/14/2013 4:34 PM	5	12	400	Pump 12 bbl Mudflush Pump 5 bbl h2o spacer
Pump cement	8/14/2013 4:40 PM	6	32	400	Pump 85 sk A-con cement Pump 480 sk AA2 cement
Drop plug	8/14/2013 5:05 PM	0	0	0	
Start displacement	8/14/2013 5:10 PM	6.5	0	0	H2o displacement Start lift cement
Plug down	8/14/2013 5:52 PM	3	180.2	2500	Plug down
Comments	8/14/2013 6:00 PM	Release psi- Float held Good circulation throught job			

Cement Job Summary

Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name Schepmann 1-21H API#:
City: Iuka County: Pratt
State: Kansas Legal description: 21-26S-12W
Contractor Duke #21 Job Type: Cement 7" Intermediate
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Clarence Messick Pump truck #: 77686-19905

Job Personnel & Equipment

Clarence Messick in pickup #37216
Mike Mcgraw in pump truck #77686-19905
Jesse Pierson in bulk truck #19831-19862
Dale Phye in bulk truck #19826-19860

Well Data:

8 3/4" open hole to 4738'
7" 26# casing to 4737'
9 5/8" 36# casing to 985'

Float equipment ticket #1718-08811 A

1- 7" Top rubber plug
1- 7" Sure seal float shoe
1- 7" Sure seal float collar
29- 7" x 8 1/2" Bow spring centralizer
2- 7" Baskets
10- 7" Beveled stop rings
4- 7" x 8 1/4" Solid body straight centralizer
1- Threadlock kit

Cement Data:

85 sacks A-Con cement- Class A regular or Type I/II
2% Gypsum- cal seal w60 powder 50 lb
2% Calcium Chloride- Pellets 80 lb.
1/4 #/sk Cellflake- 3/8" Flakes
2% Metsolite- sodium metasilicate 50 lb
Fresh H2o
Density- 12.6 lb/gal, 2.11 cft/sk, 11.84 gallon h2o/sk
480 sacks AA2 cement- Class A regular or Type I/II
1/4 #/sk Cellflake- 3/8" Flakes
.25% Defoamer- powder 50 lb
10% Salt- fine 50 lb
.5% CFR- powder 55 lb
5% Gypsum- cal seal w60 powder 50 lb
.3% FLA-322- powder 55 lb
.1% Wca-1- powder 50 lb
5 #/sk Gilsonite- granular 50 lb
Density- 15.0 lb/gal, 1.43 cft/sk, 6.0 gallon h2o/sk

PSI/VOLUMES/RATES

565 sacks cement volume of 154 bbl.
Displacement of 4706' of 7" 26# casing is 180.2 bbl.
Differential psi at 4706' is 1222.1 psi
Average pump rate thru job is 5 BPM.