

Cementing Job Log

Customer: WPX Energy, Inc.
Well Name: Schepmann #1-21 SWD
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-12W
Job Purpos: Cement 13 3/8 conductor
Job Type: Cement 13 3/8 conductor
Cement Supervisor: Clarence Messick
Ticket #: 1718-08647 A

Activity:	Date/Time	Rate	Volume	Psi	Comments:
		BPM	bbl	psi	
On location	7/20/2013 9:00 AM				Time on location
Safety meeting	7/20/2013 9:15 AM				
Rig up	7/20/2013 9:30 AM				
PSI test	7/20/2013 10:00 AM			1000	Test pump & line to 1000psi
Pump spacer	7/20/2013 11:40 AM	5	5	125	Pump 5 bbl h2o to break circulation, then start mix
Pump cement	7/20/2013 11:41 AM	5	24.5	150	115 sk cement
Drop plug		0	0	0	No plug
Start displacement	7/20/2013 11:57 AM	5	0	150	
Finish displaceent	7/20/2013 12:00 PM	2	17	200	
Comments	7/20/2013 12:01 PM	Release psi- float shoe held			

Circulate 5 bbl cement to pit.

Cement Job Summary

Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name Schepmann 1-21 SWD API#:
City: Iuka County: Pratt
State: Kansas Legal description: 21-26S-12W
Contractor Duke #21 Job Type: Cement 13 3/8 conductor
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

Well Data:

17 1/2" open hole to 128'
13 3/8" 54.5# conductor casing to 124'

Float Equipment Ticket # 1718-08646 A

2- 13 3/8" x 17 1/2" bow spring centralizers
2- 13 3/8" cement baskets

Cement Data:

115 sacks class A regular cement or Type I/II
2% Calcium Chloride- Pellets 80 lb
1/2 #/sk cellflake- 3/8" flakes

PSI/VOLUMES/RATES

115sacks cement volume of 24.5 bbl.
Displacement to 110' of 13 3/8" 54.5# casing is 17 bbl.
Differential psi at 107' is 41.6 psi.
Average pump rate thru job is 5 BPM.

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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-12W
Job Purpos: Cement 9 5/8 surface
Job Type: Cement 9 5/8 surface
Cement Supervisor: Robert Sullivan
Ticket #: 1718-08392 A

Activity:	Date/Time	Rate	Volume	Psi	Comments:
		BPM	bbl	psi	
On location	7/21/2013 11:20 PM				Time on location
Safety meeting	7/22/2013 1:00 AM				
Rig up	7/22/2013 1:30 AM				
PSI test	7/22/2013 7:30 AM			1000	Test pump & line to 1000psi
Pump spacer	7/22/2013 8:05 AM	5	5	200	Pump 5 bbl h2o to break circulation, then start mix
Pump cement	7/22/2013 8:06 AM	5	74	200	
Drop plug	7/22/2013 8:35 AM	0	0	0	250 sk A Serv Lite 175 sk Common
	7/22/2013 8:36 AM				
Start displacement	7/22/2013 8:50 AM	5	0	0	
Plug Down	7/22/2013 8:50 AM	3.5	71	800	
Comments	7/22/2013 9:00 AM				Release psi- float shoe held

Circulate 20 bbl cement to pit.

Cement Job Summary

Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name Schepmann 1-21 SWD API#:
City: Iuka County: Pratt
State: Kansas Legal description: 21-26S-12W
Contractor Duke #21 Job Type: Cement 9 5/8 surface
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Robert Sullivan Pump truck #: 77686-19905

Job Personnel & Equipment

Robert Sullivan in pickup 37900
Mike McGraw in pump truck 77686-19905
Jesse Pierson in bulk truck 19831-19862
Dale Phye in bulk truck 70959-19918

Well Data:

12 1/4" open hole to 965'
9 5/8" 36# casing to 956'

Float Equipment Ticket # 1718-08393 A

1- 9 5/8" top rubber plug
4- 9 5/8" stop rings
7- 9 5/8" x 12 1/4" bow spring centralizers
2- 9 5/8" baskets

Cement Data:

250 sacks A Serv Lite- 65% class A or Type I/II/ 35% Pozmix
3% Calcium Chloride- Pellets 80 lb
1/2 #/sk cellflake- 3/8" flakes
6% gel- Bentonite 100 lb
Fresh H2o
Density- 13.3 lb/gal, 1.66 cft/sk, 8.39 gallon h2o/sk
175 sacks Common cement- Class A regular or Type I/II
2% calcium Chloride- Pellets 80 lb
1/2 #/sk Cellflake- 3/8" flakes
Fresh H2o
Density- 15.6 lb/gal, 1.20 cft/sk, 5.2 gallon h2o/sk

PSI/VOLUMES/RATES

425 sacks cement volume of 111.5 bbl.
Displacement to 916' of 9 5/8" 36" casing is 70.8 bbl
Differential psi to 916' is 275 psi.
Average pump rate thru job is 5 BPM.

Cementing Job Log

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 Well Name: Schepmann #1-21 SWD
 City: Iuka
 State: Kansas
 Contractor & rig#: Duke #20
 Well Type: New development well
 Sales person: Kevin Gordley
 Pump truck#: 33708-20920

Customer Rep: Jimmy
 API#:
 County: Pratt
 Legal Description: 21-26S-12W
 Job Purpose: Cement 7" longstring
 Job Type: Cement 7" longstring
 Cement Supervisor: Clarence Messick
 Ticket #: 1718-08803 A

Activity:	Date/Time	Rate BPM	Volume bbl	Psi psi	Comments:
On location	7/31/2013 2:30 AM				Time on location
Safety meeting	7/31/2013 2:45 AM				
Rig up	7/31/2013 8:00 AM				
PSI test	7/31/2013 8:55 AM			2500	Test pump & line to 2500 psi
Pump spacer	7/31/2013 8:57 AM	6	18	300	Pump 3 bbl h2o, 12 bbl Mudflush, 3 bbl h2o, start mix
Pump cement	7/31/2013 9:12 AM	6	194	200	500 sk A Serv Lite
		6	89	200	350 sk AA2
Drop plug	7/31/2013 9:51 AM				
Start displacement	7/31/2013 9:52 AM	7	0	0	
Plug Down	7/31/2013 10:30 AM	3.5	174	1800	Plug did not land, shut down 1/2 bbl over displacement
Comments	7/31/2013 10:35 AM	Release psi- float shoe held			

Good circulation thru job, did not circulate cement

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Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name Schepmann 1-21 SWD API#:
City: luka County: Pratt
State: Kansas Legal description: 21-26S-12W
Contractor Duke #21 Job Type: Cement 7" longstring
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Clarence Messick Pump truck #: 33708-20920

Job Personnel & Equipment

Clarence Messick in pickup 37216
Joe Melson in pump truck 33708-20920
om Mehlhorn in bulk truck 19960-21010
Dale Phye in bulk truck 70959-19918
Andrew Jones in bulk truck 19903-73768

Well Data:

8 3/4" open hole to 4469'
7" 23# casing to 4468'

Float Equipment Ticket # 1718-08877 A

- 1- 7" top rubber plug
- 2- 7" stop rings
- 4- 7" x 8 1/2" bow spring centralizers
- 2- 7" baskets

Cement Data:

500 sacks A Serv Lite- 65% class A or Type I/II/ 35% Pozmix
6% gel- Bentonite 100 lb
1/2 #/sk cellflake- 3/8" flakes
.25% defoamer- powder 50 lb
18% salt- fine 50 lb
Fresh h2o
Density- 12.6 lb/gal, 2.18 cft/sk, 12.41 gallon h2o/sk
350 sacks AA2 cement- Class A regular or Type I/II
1/2 #/sk Cellflake- 3/8" flakes
5 #/sk gilsonite- granular 50 lb
10% salt- fine 50 lb
5% gypsum- powder Cal seal W60
.25% defoamer- powder 50 lb
.3% cfr- powder 55 lb
.5% fla-322 low fluid loss- powder 55 lb
Fresh h2o
Density- 15.0 lb/gal, 1.43 cft/sk, 6.0 gallon h2o/sk

PSI/VOLUMES/RATES

850 sacks cement volume of 283 bbl.
Displacement of 4426' of 7" 23# casing is 174 bbl.
Differential psi to 4426' is 1289 psi
Average pump rate thru job is 6 BPM.