

Cementing Job Log

Customer: WPX Energy, Inc.
Well Name: Dodson A 1-16H
City: Iuka
State: Kansas
Contractor & rig#: Duke #20
Well Type: New development well
Sales person: Kevin Gordley
Pump truck#: 19903-19905

Customer Rep: Jimmy
API#:
County: Pratt
Legal Description: 16-26s-13w
Job Purpose: Cement 13 3/8 conductor
Job Type: Cement 13 3/8 conductor
Cement Supervisor: Kevin Steve Orlando
Ticket #: 1718-08442 A

Activity:	Date/Time	Rate	Volume	Psi	Comments:
		BPM	bbl	Psi	
On location	6/19/2013 10:00 PM				Time on location
Safety meeting	6/19/2013 10:30 PM				
Rig up	6/19/2013 1:00 PM				
PSI test	6/20/2013 12:00 AM			2000	Test pump & line- 2000#
Pump spacer	6/20/2013 12:10 AM	3	10	150	Pump 10 bbl h2o to break circulation, then start mix
Pump cement	6/20/2013 12:15 AM	3	32	150	cement, 140 sacks Common
Drop plug	6/20/2013	0	0	0	No plug
Start displacement	6/20/2013 12:25 AM	3	0	50	H2o displacement
Finish displacement	6/20/2013 12:45 AM	2	17.5	100	Finish displacement
Comments	6/21/2013 12:46 AM	Shut in swedge & valve Circulated 12 bbl cement to pit.			

Cement Job Summary

Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name: Dodson A 1-16H API#:
City: Iuka County: Pratt
State: Kansas Legal description: 16-26s-13w
Contractor Duke #21 Job Type: Cement 13 3/8 conductor
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Steve Orlando Pump truck #: 19903-19905

Job Personnel & Equipment

Steve Orlando in pickup 27283
Clarence Messick in pickup 37216
Steve Young in pump truck 19903-19905
Tim Kuemin in bulk truck 19826-19860

Well Data:

17 1/2" open hole to 126'
13 3/8" casing to 120'

Float Equipment Ticket # 1718-008443 A

2- 13 3/8 stop rings
2- 13 3/8" centralizers
1- 13 3/8" basket

Cement Data:

140 sacks Common cement- Class A regular or Type/II
2% Calcium Chloride- Pellets 80 lb.
1/2 #/sk Cellflake- 3/8" Flakes
Fresh H₂O
Density- 15.6 lb/gal, 1.2 cft/sk, 5.2 gallon h₂O/sk

PSI/VOLUMES/RATES

140 sacks cement volume of 30 bbl.
Displacement to 110' of 13 3/8" 54.5# casing is 17.27 bbl.
Diferential psi at 110' is 41.6 psi.
Average pump rate thru job is 3 BPM.

Cementing Job Log

Customer: WPX Energy, Inc.
 Well Name: Dodson A 1-16H
 City: luka
 State: Kansas
 Contractor & rig#: Duke #20
 Well Type: New development well
 Sales person: Kevin Gordley
 Pump truck#: 7686-19905

Customer Rep: Jimmy
 API#:
 County: Pratt
 Legal Description: 16-26s-13w
 Job Purpos Cement 9 5/8 surface
 Job Type: (Cement 9 5/8 surface
 Cement Supervisor: K Clarence Messick
 Ticket #: 1718-08626 A

Activity:	Date/Time	Rate	Volume	Psi	Comments:
		BPM	bbl	Psi	
On location	6/21/2013 9:00 AM				Time on location
Safety meeting	6/21/2013 9:15 AM				
Rig up	6/21/2013 10:00 AM				
PSI test	6/21/2013 1:30 PM			2000	Test pump & line- 2000#
Pump spacer	6/21/2013 2:05 PM	5	10	200	Pump 10 bbl h2o to break circulation, then start mix
Pump cement	6/21/2013 2:07 PM	5	32	200	cement, 150 sacks Common
Drop plug	6/21/2013 2:28 PM	0	0	0	
Start displacement	6/21/2013 2:32 PM	5	0	0	H2o displacement
Plug down	6/21/2013 2:50 PM	2	69.6	300	Plug down
Comments	6/21/2013 Release psi- Float held 2:51 PM Did not circulate cement 3:20 PM Order 1" cement 5:00 PM 1" cement on location 5:00 PM Run 100' of 1" tubing 5:15 PM Start mix cement 5:30 PM Circulated cement to pit Used 50 sk Common cement 2% calcium chloride, 1/2 # cellflake				

Cement Job Summary

Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name: Dodson A 1-16H API#:
City: Iuka County: Pratt
State: Kansas Legal description: 16-26s-13w
Contractor: Duke #21 Job Type: Cement 9 5/8 surface
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Clarence Messick Pump truck #: 77686-19905

Job Personnel & Equipment

Clarence Messick in pickup 37216
Joe Melson in pump truck 77686-19905
Aaron Gibson in bulk truck 19826-19860

Well Data:

12 1/4" open hole to 953'
9 5/8" casing to 943'

Float Equipment Ticket # 1718-08627 A

1- 9 5/8" top rubber plug
4- 9 5/8" stop rings
2- 9 5/8" baskets

Cement Data:

150 sacks A Serv Lite cement- 65% class A regular or Type I/II/35% Pozmix
6% gel- 100 lb sack bentonite
3% Calcium Chloride- Pellets 80 lb.
1/2 #/sk Cellflake- 3/8" Flakes
Fresh H2o
Density- 13.3 lb/gal, 1.66 cft/sk, 8.39 gallon h2o/sk
150 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, 1.2 cft/sk, 5.2 gallon h2o/sk

PSI/VOLUMES/RATES

300 sacks cement volume of 76 bbl.
Displacement to 901' of 9 5/8" 36# casing is 69.6 bbl.
Diferential psi at 901' is 271.81 psi.
Average pump rate thru job is 5 BPM.

Cementing Job Log

Customer: WPX Energy, Inc.
 Well Name: Dodson A 1-16H
 City: Iuka
 State: Kansas
 Contractor & rig#: Duke #20
 Well Type: New development well
 Sales person: Kevin Gordley
 Pump truck#: 19889-19843

Customer Rep: Jimmy
 API#:
 County: Pratt
 Legal Description: 16-26s-13w
 Job Purpos Cement 7" Intermediate
 Job Type: (Cement 7" Intermediate
 Cement Supervisor: Kt Keven Lesley
 Ticket #: 1718-08100 A

Activity:	Date/Time	Rate BPM	Volume bbl	Psi Psi	Comments:
On location	6/28/2013 8:00 PM				Time on location
Safety meeting	6/28/2013 8:15 PM				
Rig up	6/28/2013 8:30 PM				
PSI test	6/28/2013 10:20 PM			2000	Test pump & line- 2000#
Pump spacer	6/28/2013 10:25 PM	6	17	200	Pump 12 bbl mudflush and 5 bbl h2o then start mix cement
Pump cement	6/28/2013 10:30 PM	6	32	200	85 sk A-con lead
		6	120	200	495 sk AA2 tail
Drop plug	6/28/2013 10:55 PM	0	0	0	
Start displacement	6/28/2013 11:00 PM	6	0	0	H2o displacement
Plug down	6/28/2013 11:45 PM	1	177.9	4800	Plug down
Comments	6/28/2013 Release psi- Float held Close in head & manifold				

Cement Job Summary

Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name Dodson A 1-16H API#:
City: Iuka County: Pratt
State: Kansas Legal description: 16-26s-13w
Contractor Duke #21 Job Type: Cement 7" intermediate
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Keven Lesley Pump truck #: 19889-19843

Job Personnel & Equipment

Keven Lesley in pickup 37586
Ed Marquez in pump truck 19889-19843
Mike Lawrence in bulk truck 19826-19860
Jesse Pierson in bulk truck 19960-21010

Well Data:

8 3/4" open hole to 4870'
7" 26# casing to 4708'

Float Equipment Ticket # 1718-08100 A

1- 7" top rubber plug

Cement Data:

85 sacks A-con cement- Class A regular or Type I/II
2% Metsolite- sodium silicate 50 lb.
2% gypsum- cal seal w60 50 lb.
1/4 #/sk Cellflake- 3/8" Flakes
2% Calcium Chloride- Pellets 80 lb.
Fresh h2o
Density- 12.6 lb/gal, 2.11 cft/sk, 11.84 gallon h2o/sk
495 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
.1% wca-1- powder 50 lb
5 #/sk gilsonite- granular 50 lb
5% gypsum- cal seal w60 50 lb

PSI/VOLUMES/RATES

580 sacks cement volume of 152 bbl.
Displacement to 4657' of 7" 26# casing is 177.9 bbl.
Diferential psi at 4657' is 1327.53 psi.
Average pump rate thru job is 5 BPM.

Cementing Job Log

Customer: WPX Energy, Inc.
 Well Name: Dodson A 1-16H
 City: Iuka
 State: Kansas
 Contractor & rig#: Duke #20
 Well Type: New development well
 Sales person: Kevin Gordley
 Pump truck#: 78982-78983

Customer Rep: Jimmy
 API#:
 County: Pratt
 Legal Description: 16-26s-13w
 Job Purpos Cement 4 1/2" liner
 Job Type: (Cement 4 1/2" liner
 Cement Supervisor: Ki Keven Lesley
 Ticket #: 1718-07347 A

Activity:	Date/Time	Rate BPM	Volume bbl	Psi Psi	Comments:
On location	7/16/2013 5:30 PM				Time on location
Safety meeting	7/16/2013 5:45 PM				
Rig up	7/16/2013 6:00 PM				
PSI test	7/16/2013 7:25 PM			5000	Test pump & line- 5000#
Pump spacer	7/16/2013 8:20 PM	6	32	1000	Pump 12 bbl mudflush and 20 bbl h2o
Pump cement	7/16/2013 8:25 PM	8	143	1200	Start mix 650 sk 'H' cement
Drop plug	7/16/2013 8:50 PM	0	0	0	
Start displacement	7/16/2013 8:52 PM	4.5	0	0	H2o displacement
Plug down	7/16/2013 9:15 PM	2	106.7	2000	Plug down
Comments	7/16/2013 Release psi- Float held 9:20 PM Release drill pipe from liner 9:25 PM Reverse out long way 9:40 PM Circulate 23 bbl cement to pit 9:43 PM Pumped 150 bbl h2o to reverse out 9:48 PM Close BOP 9:50 PM Psi up on packer to 1500 psi 9:55 PM Held 1500 psi for 5 minutes 10:00 PM Release psi and pull drill pipe				

Cement Job Summary

Customer: WPX Energy, Inc. Customer Rep: Jimmy
Well Name Dodson A 1-16H API#:
City: Iuka County: Pratt
State: Kansas Legal description: 16-26s-13w
Contractor Duke #21 Job Type: Cement 4 1/2" Liner
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Keven Lesley Pump truck #: 78982-78983

Job Personnel & Equipment

Keven Lesley & Steve Orlando in pickup 37586
James Anthony in pump truck 78982-78983
Jesse Pierson in bulk truck 19831-19862
Ed Mendoza in bulk truck 38119-19566

Well Data:

6 1/8" open hole to 8609'
4 1/2" liner to 8608'
4 1/2" liner hanger at 4438'

Float Equipment Ticket # 1718-07346 A

30- 4 1/2" bow spring centralizers
2- boxes of threadlock

Cement Data:

650 sacks class 'H' cement
10% salt- fine 50 lb
.25% defoamer- powder 50 lb
3/4% cfr- powder 55 lb
.1% wca-1- powder 50 lb
Fresh h2o
Density- 15.6 lb/gal, 1.24 cft/sk, 5.4 gallon h2o/sk

PSI/VOLUMES/RATES

650 sacks cement volume of 143.5 bbl.
Displacement thru 4" drill pipe and 4 1/2" liner is 106.7 bbl
Diferential psi at 8608' is 1678 psi
Average pump rate thru job is 4 BPM.

Cementing Job Log

Customer: WPX Energy, Inc.
 Well Name: Schepmann #1-21 SWD
 City: luka
 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				Time on location
	9:00 AM				
Safety meeting	7/20/2013				
	9:15 AM				
Rig up	7/20/2013				
	9:30 AM				
PSI test	7/20/2013			1000	Test pump & line to 1000psi
	10:00 AM				
Pump spacer	7/20/2013	5	5	125	Pump 5 bbl h2o to break circulation, then start mix
	11:40 AM				
Pump cement	7/20/2013	5	24.5	150	115 sk cement
	11:41 AM				
Drop plug		0	0	0	No plug
Start displacement	7/20/2013	5	0	150	
	11:57 AM				
Finish displaceent	7/20/2013	2	17	200	
	12:00 PM				
Comments	7/20/2013	Release psi- float shoe held			
	12:01 PM				

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.

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

Activity:	Date/Time	Rate BPM	Volume bbl	Psi psi	Comments:
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	250 sk A Serv Lite
		5	37.4	150	175 sk Common
Drop plug	7/22/2013 8:35 AM	0	0	0	
Start displacement	7/22/2013 8:36 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

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#: 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

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 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.

Cementing Job Log

Customer: WPX Energy, Inc.
 Well Name: Schepmann #1-21H
 City: luka
 State: Kansas
 Contractor & rig#: Duke #20
 Well Type: New development well
 Sales person: Kevin Gordley
 Pump truck#: 27463

Customer Rep: Jimmy
 API#:
 County: Pratt
 Legal Description: 21-26S-13W
 Job Purpos Cement 13 13 3/8 conductor
 Job Type: (Cement 13 3/8 conductor
 Cement Supervisor: K Mike Mattal
 Ticket #: 1718-08754 A

Activity:	Date/Time	Rate	Volume	Psi	Comments:
		BPM	bbl		
On location	8/3/2013				Time on location
	7:10 PM				
Safety meeting	8/3/2013				
	7:30 PM				
Rig up	8/3/2013				
	8:00 PM				
PSI test	8/3/2013			1000	Test pump & line to 1000psi
	9:00 PM				
Pump spacer	8/3/2013	5	3	200	Pump 3 bbl h2o to break circulation, then start mix cement.
	9:15 PM				
Pump cement	8/3/2013	5	32	200	
	9:16PM				
Drop plug	8/3/2013	0	0	0	No plug
Start displacement	8/3/2013	5	0	200	
	9:25PM				
Finish displaceent	8/3/2013	2	16	100	
	9:30PM				
Comments	8/3/2013	Shut in swedge & valve with 100 psi.			
	9:31PM				

Circulate 16 bbl cement to pit.

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 13 3/8 conductor
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Mike Mattal Pump truck #: 27463

Job Personnel & Equipment

Mike Mattal in pickup #37216
Steve Young in pump truck #27463
Jesse Pierson in bulk truck #19960-21010

Well Data:

17 1/2" open hole to 126'
13 3/8" 54.5# conductor casing to 122'

Float Equipment Ticket # 1718-07350 A

4- 13 3/8" x 17 1/2" bow spring centralizers
2- 13 3/8" cement baskets
2- 13 3/8" stop ring

Cement Data:

150 sacks Common cement class 'A' with 2% calcium chloride, 1/2 #/sk cellflake
mixed at 15.6 ppg, 1.20 cft/sk, 5.21 gallon h2o/sk.

PSI/VOLUMES/RATES

150 sacks cement volume of 32 bbl.
Displacement to 107' of 13 3/8" 54.5# casing is 16.5 bbl.
Differential psi at 107' is 40.4 psi.
Average pump rate thru job is 5 BPM.

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#: 19889-19843

Customer Rep: Jimmy
 API#:
 County: Pratt
 Legal Description: 21-26S-13W
 Job Purpos Cement 9 5/8 surface
 Job Type: (Cement 9 5/8 surface
 Cement Supervisor: K(Keven Lesley
 Ticket #: 1718-08574 A

Activity:	Date/Time	Rate	Volume	Psi	Comments:
		BPM	bbl	Psi	
On location	8/5/2013 9:00 AM				Time on location
Safety meeting	8/5/2013 9:15 AM				
Rig up	8/5/2013 10:00 AM				
PSI test	8/5/2013 4:30 PM			2000	Test pump & line- 2000#
Pump spacer	8/5/2013 4:49 PM	6	3	300	Pump 3 bbl h2o to break circulation, then start mix
Pump cement	8/5/2013 4:50 PM	6	74	300	cement. 250 sk A Serv Lite,
			38	200	175 sk Common.
Drop plug	8/5/2013 4:58 PM	0	0	0	
Start displacement	8/5/2013 5:00 M	6	0	0	H2o displacement
Plug down	8/5/2013 5:30 PM	2	72.9	1000	Plug down
Comments	8/5/2013 5:31 PM	Release psi- Float held			

Circulate 30 bbl cement to pit.

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 9 5/8 surface
Well type: New development Sales person: Kevin Gordley
Cement supervisor: Keven Lesley Pump truck #: 19889- 19843

Job Personnel & Equipment

Keven Lesley in pickup 37586
Ed Marquez in pump truck 19889-19843
Jesse Pierson in bulk truck 19831-19862
Mike Lawrence in bulk truck 19960-21010

Well Data:

12 1/4" open hole to 994'
9 5/8" 36# casing to 985'
13 3/8" 54.5# casing to 122'

Float Equipment Ticket # 1718-08573 A

1- 9 5/8" top rubber plug
3- 9 5/8" stop rings
4- 9 5/8" x 12 1/4" bow spring centralizers
2- 9 5/8" baskets
1- 9 5/8" float collar

Cement Data:

250 sacks A Serv Lite cement- 65% class A regular or Type I/II/35% Pozmix
6% gel- 100 lb sack bentonite
3% Calcium Chloride- Pellets 80 lb.
1/2 #/sk Cellflake- 3/8" Flakes
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, 1.2 cft/sk, 5.2 gallon h2o/sk

PSI/VOLUMES/RATES

425 sacks cement volume of 111.3 bbl.
Displacement to 943' of 9 5/8" 36# casing is 72.9 bbl.
Diferential psi at 943' is 311.78 psi.
Average pump rate thru job is 6 BPM.