



Service Order #: 18356

Date: 09-Sep-14

Well Name	Location	County	St	API#		
William Miller	Akron	WASHINGTON	CO	05-121-11043-00		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
J SAND	DRILL PIPE	PLUG	GAS	NEW		

Customer: EXCELL SERVICES

Remarks: Pumped 75 sk from 4540'-4285'  
Pumped 50 sx from 311' to 124'  
Pumped 15 sx from 61'-11'  
Pumped 10 sx to fill rat & mouse holes

Customer Rep: Jerry Rogers

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	215.0	
Production Casing:				
Intermediate:				
Drill Pipe:	4.500	16.6	4,540.0	
Tubing:				

OTHER DATA		
BHT	Max PSI	Total Depth
140	300	4,540.0

Packer or Retainer Type / Depth:

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.825	215.0	4,540.0	

Perf Depths:	#	Total
0.0	0.0	0
0.0	0.0	0
0.0	0.0	0

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
9:19	0	0.0	2.27	17		27.7	START JOB
9:22	0	0.1	8.72	17		27.8	WATER SPACER
9:27	70	2.3	16.00	221		10.0	PUMP CEMENT
9:35	0	2.6	16.39	29		27.4	WATER DISPLACEMENT
9:36	0	4.0	9.46	100		32.5	MUD DISPLACEMENT
9:50	0	0.0	6.88	0		83.4	SHUT DOWN TOOH TO 311'
12:30	0	0.0	8.85	0		117.7	PUMP MUD, FILL HOLE
12:38	0	3.5	8.89	0		25.6	PUMP WATER SPACER
12:45	0	3.5	15.71	36		50.9	PUMP CEMENT
12:51	0	0.0	10.31	0		65.5	POOH TO 61'
13:01	0	0.1	6.89	0		67.1	PUMP CEMENT
13:04	0	2.8	6.89	58		71.2	POOH TO SURFACE
13:18	0	0.0	14.85	0		76.0	FILL MOUSE & RAT HOLE
13:23	129	0.0	9.73	0		0.0	END JOB
13:47	0	0.0	0.00	0		0.0	13:47:47
13:47	0	0.0	0.00	0		0.0	13:47:54
13:47	0	0.0	0.00	0		0.0	13:47:57
13:48	0	0.0	0.00	0		0.0	13:48:08
13:48	0	0.0	0.00	0		0.0	13:48:21
13:49	0	0.0	0.00	0		0.0	13:49:03
13:49	0	0.0	0.00	0		0.0	13:49:32

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

Eric Peterson

PRODUCTS USED

Pumped 150  
sx of Class G Cement



Service Order #: 18356

Date: 09-Sep-14

## Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
4.0	1.7	314	72

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

Eric Peterson

## PRODUCTS USED

Pumped 150  
sx of Class G Cement