



SandRidge Energy
Bascom Farms 3408 1-4H33
Harper County, KS

1.0 Executive Summary

Allied Oil & Gas Services would like to thank you, for the award of the provision of cementing products and services on the well Bascom Farms 3408 1-4H33 Surface Casing.

A pre-job meeting was held to discuss job details, review the safety hazards, potential environmental impact and established emergency procedures.

Allied started the job testing lines to 3500 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

80.72 bbl	245 Sacks of 13.2 ppg
Class A Slurry -	1.85 Yield
2% Calcium Chloride	
2% Gypsum	
2% NAMS	
.25 lb/sk Flocele	

32.06 bbl	150 Sacks of 15.6 ppg
Class A Slurry -	1.2 Yield
2% Calcium Chloride	
.25 lb/sk Flocele	

The top plug was then released and displaced with 57.5 Bbls of fresh water. The plug bumped and pressured up to 1000 psi. Pressure was released and floats held with .75 bbl back. 30 Bbl circulated to the pit.

All real time data is shown on the graph in the attachment section.

Allied Oil & Gas Services remains committed to provide operational excellence and superior product performance. All comments and suggestions are greatly appreciated and help us to continue to provide this level of service.

Again we want to thank you for the opportunity to perform these and your future cementing & acidizing service needs.



Slurry Details									
SPACER		Water Req gal/sk	0	Yield ft ³ /sk	0	# Sacks	0		
Fluid Composition									
Super spacer									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
31.3	8.9	5.94	275	9.47	358	0	0	3:53 PM	3:58 PM

LEAD CEMENT		Water Req gal/sk	6.75	Yield ft ³ /sk	1.4	# Sacks	170		
Fluid Composition									
Lead cement									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
42.5	13.4	280	6	0	6	0	0	3:58 PM	4:04 PM

TAIL CEMENT		Water Req gal/sk	5.16	Yield ft ³ /sk	1.19	# Sacks	100		
Fluid Composition									
Tail cement									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
22	15.5	6.64	211	11.96	325	0	0	4:11 PM	4:22 PM

FW		Water Req gal/sk	0	Yield ft ³ /sk	0	# Sacks	0		
Fluid Composition									
Displacment									
Total BBL	Average Dens PPG	Average Rate Bpm	Average Press PSI	Max Rate Bpm	Max Press PSI	Planned Dens PPG	Density Accuracy %	Start Time	End Time
189	0.11	4.53	350	9.59	773	0	100	4:28 PM	5:09 PM

Event Summary					
Activity Description (Job Marker)	Dens PPG	Press PSI	Rate bpm	Total bbl	Time
PRESSURE TEST	9.17	1919.00	0.00	6.30	3:51:20 PM
PUMP SPACER	9.06	6.00	0.00	0.00	3:58:30 PM
PUMP LEAD	14.38	281.00	4.38	8.00	4:08:00 PM
PUMP TAIL	13.54	194.00	6.00	0.00	4:16:06 PM
DISPLACEMENT	10.08	-6.00	1.40	0.00	4:25:42 PM
Paused 17:16:18	0.11	-11.00	0.00	197.80	5:16:17 PM