

Re completion

JOB SUMMARY			PROJECT NUMBER SOK 3729	TICKET DATE 05/15/14
COUNTY Sumner	State Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Curtis	
LEASE NAME Perth 3302	Well No. 1-1	JOB TYPE Squeeze Job	EMPLOYEE NAME Eric Parsons	

EMP NAME					
Eric Parsons		0			
Wallace Berry					
Dave Thomas					
0.00					

Form. Name _____ Type: _____
 Packer Type _____ Set At **3,311**
 Bottom Hole Temp. **120** Pressure _____
 Retainer Depth _____ Total Depth **3964**

	Called Out	On Location	Job Started	Job Completed
Date		5/15/2014	5/15/2014	5/15/2014
Time		7:00am	8:25am	10:45AM

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

Well Data						
	New/Used	Weight	Size	Grade	From	To
Casing		17#	5 1/2"		Surface	3,964
Liner						
Liner						
Tubing			2 7/8"			
Drill Pipe						
Open Hole			0		Surface	3,970
Perforations						
Packer @						3,312
Holes @					3,964	3,989

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	resh Wate BBL.		8.33
Spacer type	BBL.		
Acid Type	Gal.		%
Acid Type	Gal.		%
Surfactant	Gal.		In
NE Agent	Gal.		In
Fluid Loss	Gal/Lb		In
Gelling Agent	Gal/Lb		In
Fric. Red.	Gal/Lb		In
MISC.	Gal/Lb		In

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
5/15	4.0	5/16	2.0	Squeeze Job
Total	4.0	Total	2.0	

Perfpac Balls _____ Qty. _____
 Other _____
 Other _____
 Other _____
 Other _____
 Other _____

Pressures			
MAX	2,500 PSI	AVG.	1,500 PSI
Average Rates in BPM			
MAX	3 BPM	AVG	0.5
Cement Left in Pipe			
Feet		Reason	SHOE JOINT

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	50	Premium Plus (Class C)	NEAT	6.32	1.32	14.80
2	0	0		0	0	0.00
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	Preflush: _____	BBI _____	Type: _____	Fresh Water
	MAXIMUM _____	2,000 PSI	Load & Bkdn: _____	Gal - BBI _____	N/A
	Lost Returns-N _____	NO/FULL	Excess /Return _____	BBI _____	N/A
	Actual TOC _____		Calc. TOC: _____		Actual Disp. _____
Average	Bump Plug PSI: _____	Final Circ. _____	PSI: _____		Disp:Bbl _____
ISIP _____	5 Min. _____	10 Min _____	15 Min _____	Cement Slurry: _____	BBI _____
				Total Volume _____	BBI _____
					42.20

CUSTOMER REPRESENTATIVE _____
 Signature: *Curtis Bussard*
 SIGNATURE

Original Completion



SandRidge Energy
Perth 3302 #2-1H surface
Sumner 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 Perth 3302 #2-1H 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 2000 psi. After a successful test we began the job by pumping 5 bbls of preflush spacer. We then mixed and pumped the following cements:

39 Bbls (180 sacks) of 15.6 ppg slurry:
Class A - 1.20 Yield
2.0% cc
¼# floreal

The top plug was then released and displaced with 16Bbls of fresh water. The plug bumped and pressured up to 1000 psi. Pressure was released and floats held.

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.

original completion



SandRidge Energy
Perth #3302 2-1H
Sumner 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 Perth #3302 2-1H Intermediate 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 3000 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

60 Bbls (240 sacks) of 13.6 ppg Lead slurry:
50:50 Class A:Poz Blend - 1.4 Yield
2.0% Gel
0.4% FL-160
0.1% SA-51

21Bbls (100 sacks) of 15.6 ppg Tail slurry:
Class A - 1.18 Yield
0.8% FL-160
0.2% CD-31

The top plug was then released and displaced with 176.5 Bbls of fresh water. The plug bumped and pressured up to 1250 psi. Pressure was released and floats held.

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.

original completion

JOB SUMMARY				PROJECT NUMBER	TICKET DATE
COUNTY	State	COMPANY		SOK 3543	03/24/14
Sumner	Kansas	Sandridge Exploration & Production		CUSTOMER REP	Billy Branch
LEASE NAME	Well No.	JOB TYPE		EMPLOYEE NAME	Arthur Setzer
Perth 3302	1-1	Squeeze Job			
EMP NAME					
Arthur Setzer	Eric Parsons				
Jared Green					
David Settlemier					
0.00					
Form. Name	Type:				
Packer Type	Set At 0				
Bottom Hole Temp.	Pressure 120				
Retainer Depth	Total Depth 3,575'				
Tools and Accessories					
Type and Size	Qty	Make			
Auto Fill Tube	0	IR			
Insert Float Val	0	IR			
Centralizers	0	IR			
Top Plug	0	IR			
HEAD	0	IR			
Limit clamp	0	IR			
Weld-A	0	IR			
Texas Pattern Guide Shoe	0	IR			
Cement Basket	0	IR			
Materials					
Mud Type	WBM	Density	9	Lb/Gal	
Disp. Fluid	Fresh Water	Density	8.33	Lb/Gal	
Spacer type	resh Water	BBL.	20	8.33	
Spacer type	BBL.				
Acid Type	Gal.	%			
Acid Type	Gal.	%			
Surfactant	Gal.	In			
NE Agent	Gal.	In			
Fluid Loss	Gal/Lb	In			
Gelling Agent	Gal/Lb	In			
Fric. Red.	Gal/Lb	In			
MISC.	Gal/Lb	In			
Perfpac Balls	Qty.				
Other					
Other					
Other					
Other					
Other					
Well Data					
Date	Called Out	On Location	Job Started	Job Completed	
		3/23/2014	3/24/2014	3/24/2014	
Time	7:00am		8:30am	11:30am	
New/Used					
Casing	Weight	Size	Grade	From	To
Liner	17#	5 1/2"		Surface	3,675'
Liner					Max. Allow 5,000
Tubing		2 7/8"			
Drill Pipe					
Open Hole		0		Surface	4,284
Perforations					Shots/Ft
Perforations					
Packer @					3,006
Hours On Location					
Date	Hours	Date	Hours	Description of Job	
3/24	4.0	3/24	2.0	Squeeze Job	
Total	4.0	Total	2.0		
Pressures					
MAX	1.500 PSI	AVG.	600		
Average Rates in BPM					
MAX	4 BPM	AVG	1		
Cement Left in Pipe					
Feet	Reason SHOE JOINT				
Cement Data					
Stage	Sacks	Cement	Additives	W/Rq.	Yield
1	25	Thixotropic	4% Gel - 10% Gypsum	7.76	1.60
2	25	Premium H	NEAT	5.23	1.18
3	0	0		0	0.00
				0.00	0.00
					0.00
Summary					
Preflush Breakdown	Type:	MAXIMUM	6.000 PSI	Preflush:	BBI
	Lost Returns-N	NO/FULL		Load & Bkdn:	Gal - BBI
	Actual TOC			Excess /Return	BBI
Average	Bump Plug PSI:			Calc. TOC:	
ISIP	5 Min.	10 Min.	15 Min.	Final Circ.	PSI:
				Cement Slurry:	BBI
				Total Volume	BBI
					20.00
					N/A
					N/A
					28
					26.50
					12.4
					58.90
CUSTOMER REPRESENTATIVE <u>Billy Branch</u> SIGNATURE					

original completion

JOB SUMMARY			PROJECT NUMBER SOK 3527	TICKET DATE 03/19/14
COUNTY Sumner	STATE Kansas	COMPANY Sandridge Exploration & Production	CUSTOMER REP Billy Branch	
LEASE NAME Perth 3302	Well No. 1-1	JOB TYPE Squeeze Job	EMPLOYEE NAME Robert Burris	

EMP NAME	Robert Burris	Eric Parsons			
	Robert Burris				
	Cheryl Newton				
	Robert Stonehocker				

Form. Name _____ Type: _____

Packer Type _____ Set At _____ 0

Bottom Hole Temp. **120** Pressure _____

Retainer Depth _____ Total Depth **3,575'**

Date	Called Out	On Location	Job Started	Job Completed
		3/19/2014	3/19/2014	3/19/2014
Time		10:00am	11:00am	1:30pm

Type and Size	Qty	Make
Auto Fill Tube	0	IR
Insert Float Val	0	IR
Centralizers	0	IR
Top Plug	0	IR
HEAD	0	IR
Limit clamp	0	IR
Weld-A	0	IR
Texas Pattern Guide Shoe	0	IR
Cement Basket	0	IR

New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	17#	5 1/2"		Surface	4,322	5,000
Liner						
Liner						
Tubing		0				
Drill Pipe						
Open Hole		0		Surface		
Perforations				3,575	4,284	
Perforations						
Perforations						

Materials			
Mud Type	WBM	Density	9 Lb/Gal
Disp. Fluid	Fresh Water	Density	8.33 Lb/Gal
Spacer type	fresh Water	BBL.	20 8.33
Spacer type		BBL.	
Acid Type		Gal.	%
Acid Type		Gal.	%
Surfactant		Gal.	In
NE Agent		Gal.	In
Fluid Loss		Gal/Lb	In
Gelling Agent		Gal/Lb	In
Fric. Red.		Gal/Lb	In
MISC.		Gal/Lb	In

Perfpac Balls _____ Qty. _____

Other _____

Other _____

Other _____

Other _____

Other _____

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
3/19		3/19		Squeeze Job
Total	0.0	Total	0.0	

Pressures	
MAX 1,000 PSI	AVG.
Average Rates in BPM	
MAX 4 BPM	AVG
Cement Left in Pipe	
Feet	Reason SHOE JOINT /

Cement Data						
Stage	Sacks	Cement	Additives	W/Rq.	Yield	Lbs/Gal
1	100	Thixotropic	4% Gel - 10% Gypsum	7.75	1.60	14.40
2	100	Premium H	NEAT	5.23	1.18	15.60
3	0	0		0	0.00	0.00

Summary					
Preflush Breakdown	Type: _____	MAXIMUM _____	1,000 PSI	Preflush; BBI _____	10.00
	Lost Returns-N _____	NO/FULL		Load & Bkdn: Gal - BBI _____	N/A
	Actual TOC _____			Excess /Return BBI _____	N/A
Average	Bump Plug PSI: _____			Calc. TOC: _____	
.SIP _____ 5 Min.	10 Min _____	15 Min _____		Final Circ. PSI: _____	0
				Cement Slurry: BBI _____	49.5
				Total Volume BBI _____	129.50

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____