



INVOICE

DATE	INVOICE #
3/18/2014	4632

BILL TO
SANDRIDGE ENERGY, INC. ATTN: PURCHASING MANAGER 123 ROBERT S. KERR AVENUE OKLAHOMA CITY, OK 73102

REMIT TO
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
COMANCHE, ...	3/13/2014	3520	HWD 14	HANK 3420 1-2H	Due on rec...

Description
DRILLED 120' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 120' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED 12 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE FURNISHED GROUT PUMP TOTAL BID \$15,131.73

Sales Tax (6.15%)	\$131.73
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TOTAL	\$15,131.73
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Post Job Report

SandRidge Energy

3/23/2014

Hank #3420 1-2H

Comanche County, KS





SandRidge Energy
Hank #3420 1-2H
Comanche County, KS.

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SandRidge Energy
Hank #3420 1-2H
Comanche 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 Hank #3420 1-2H 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 10 bbls of preflush spacer. We then mixed and pumped the following cements:

76.60 Bbls (230 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend - 1.87 Yield
6.0% Gel
2%cc
¼# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry:
2% cc
¼# Floseal

The top plug was then released and displaced with 53.5 of fresh water. The plug bumped and pressured up to 950 psi. Pressure was released and floats held. Cement did not circulate. Wait 5 hours + run a temperature survey, Tested @ 210'. 200' of 1" pipe was run, and the following cement was circulated to surface.

80 Bbls (375 sacks) of 15.6 ppg slurry
2% cc
¼# Floseal

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.



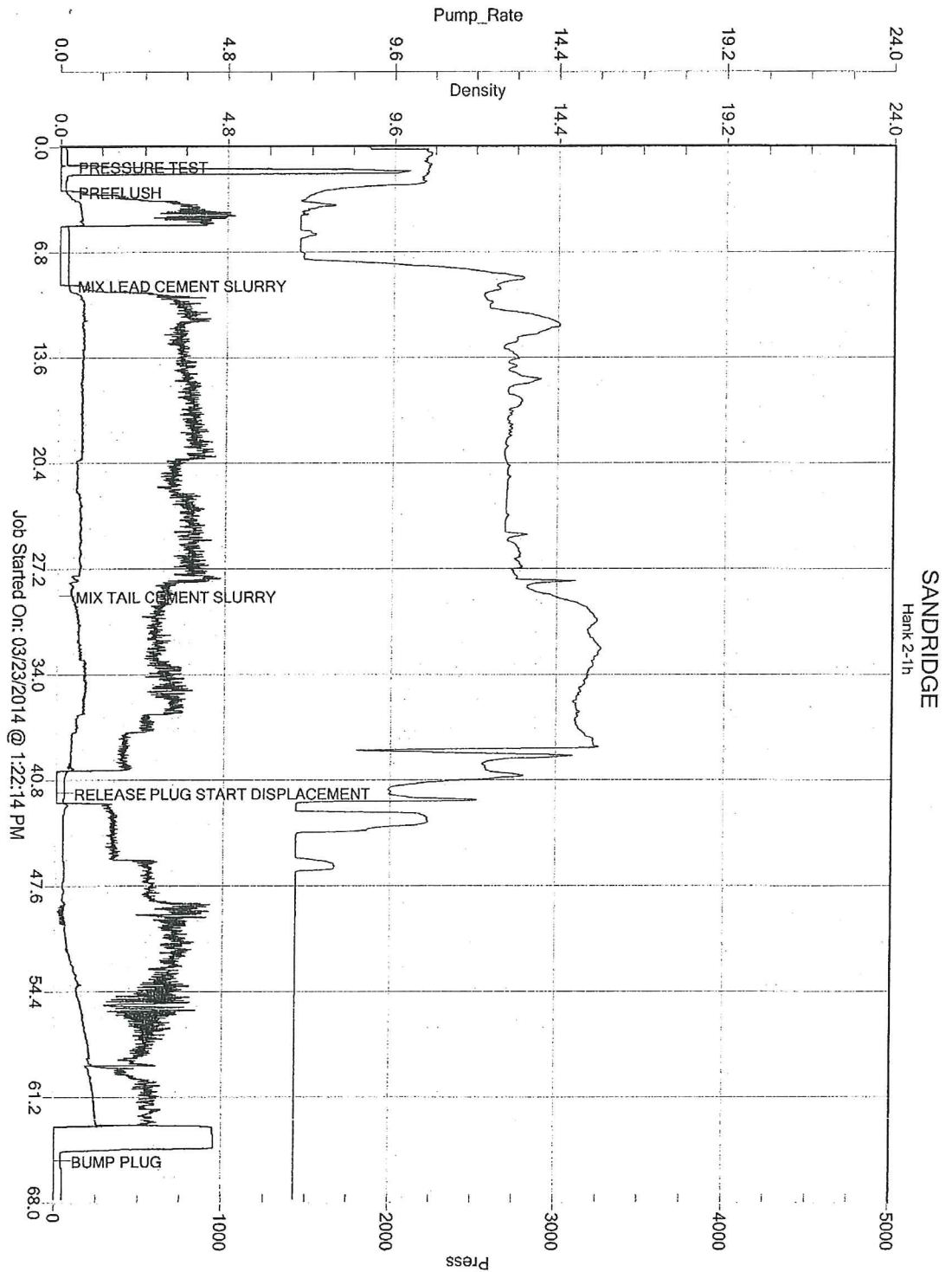
SandRidge Energy
 Hank #3420 1-2H
 Comanche County, KS.

2.0 Job Summary

2.1 Job Log

Time	Pressures PSI		Fluid Pumped Data			Remarks
	Drill Pipe /Casing	Annulus	Total Fluid	Pumped per Period	Rate Bbls/Min	
						Held Safety Meeting
						Rig Up
						Pre-Job Safety Meeting
						Finish Rig Up
2:00pm	2000		.25		.25	Pressure Test Lines
	150		10		3.5	Pump Spacer
	150		76.5		3.5	Mix & Pump Lead Cement (230 sacks)
	150		32		3.5	Mix & Pump Tail Cement (150 sacks)
						Cement in stop pumps + release plug
						Lost returns
	70		20		3.5	Start displacement
	110		40		3.5	Continue Displacement
	200		50		3	Continue Displacement
	240				3	Continue Displacement
3:00pm	950				0	Displacement in Bump plug
						Release pressure + Float Held
						Cement did not circulate
						Wait for temperature survey @ 210'
						Run 200' 1" tubing
	250		64		1.5	Mix 300 sacks Class A 2%cc + 1/4# Floseal
						Raise cement 5' from surface
						Cement fell
4:00am	150		16		1.5	Mix 75 sacks Class A + 2%cc + 1/4# Floseal
						Raised cement to surface.

2.2 Job Summary Chart





SandRidge Energy
 Hank #3420 1-2H
 Comanche County, KS.

3.0 Customer Satisfaction Survey

Customer: Sand Ridge
 Date: 3/23/14
 Well Name: Hank 3420 1-2H
 Well Location: Vic Protection KS
 Supervisor: Jason T
 Equipment Operators: CJ / Hector



Performance	Customer	
Was the appearance of the personnel and equipment satisfactory?	<input checked="" type="checkbox"/> Yes	No
Was the job performed in a professional manner?	<input checked="" type="checkbox"/> Yes	No
Were the calculations prepared and explained properly?	<input checked="" type="checkbox"/> Yes	No
Were the correct services dispatched to the job site?	<input checked="" type="checkbox"/> Yes	No
Were the services performed as requested?	<input checked="" type="checkbox"/> Yes	No
Did the job site environment remain unchanged?	<input checked="" type="checkbox"/> Yes	No
Did the equipment perform in the manner expected?	<input checked="" type="checkbox"/> Yes	No
Did the materials meet your expectations?	<input checked="" type="checkbox"/> Yes	No
Was the crew prepared for the job?	<input checked="" type="checkbox"/> Yes	No
Was the crew prompt in the rig-up and actual job?	<input checked="" type="checkbox"/> Yes	No
Were reasonable recommendations given, as requested?	<input checked="" type="checkbox"/> Yes	No
Did the crew perform safely?	<input checked="" type="checkbox"/> Yes	No
Was the job performed to your satisfaction?	<input checked="" type="checkbox"/> Yes	No
Customer Signature:	Date: <u>3.24.14</u>	
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"></div> <div style="width: 35%;"></div> </div>		
Additional Comments:		



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Post Job Report

SandRidge Energy

Hank #3420 1-2H

4/2/2014

Plug Back

Comanche County, KS





SandRidge Energy
Hank #3420 1-2H
Comanche County, KS.

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SandRidge Energy
Hank #3420 1-2H
Comanche 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 Hank #3420 1-2H Plug Back

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 2600 psi. After a successful test we began the job by pumping 30 bbls of preflush spacer. We then mixed and pumped the following cements:

43 Bbls (245 sacks) of 17 ppg Lead slurry:
Class H .99 Yield
.75% CD-31
.2% Defoamer
.1% C-20

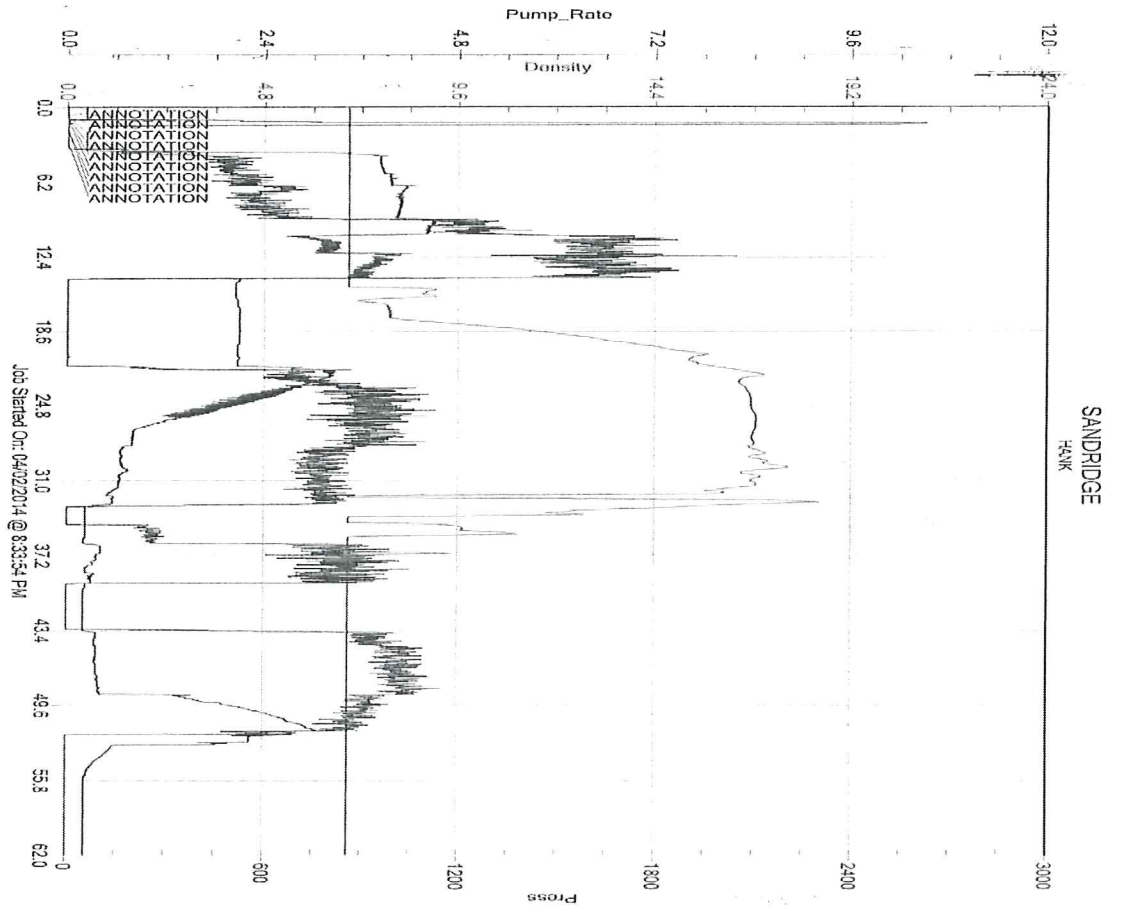
We then started displacement with 5.5. Bbls of water followed with 44 Bbls of mud. The drill pipe was then pulled out of the hole leaving a 507" cement plug from 5250'-4743'+-

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.

2.2 Job Summary Chart





SandRidge Energy
 Hank #3420 1-2H
 Comanche County, KS.

3.0 Customer Satisfaction Survey

Customer: SANDRIDGE
 Date: 4-3-2014
 Well Name: HANK 3420 1-2H
 Well Location: COMANCHE, CO.
 Supervisor: K. LESLEY
 Equipment Operators: J. BOWERS, R. JOHNSON



Performance	Customer	
Was the appearance of the personnel and equipment satisfactory?	Yes	No
Was the job performed in a professional manner?	Yes	No
Were the calculations prepared and explained properly?	Yes	No
Were the correct services dispatched to the job site?	Yes	No
Were the services performed as requested?	Yes	No
Did the job site environment remain unchanged?	Yes	No
Did the equipment perform in the manner expected?	Yes	No
Did the materials meet your expectations?	Yes	No
Was the crew prepared for the job?	Yes	No
Was the crew prompt in the rig-up and actual job?	Yes	No
Were reasonable recommendations given, as requested?	Yes	No
Did the crew perform safely?	Yes	No
Was the job performed to your satisfaction?	Yes	No
Customer Signature: <u><i>Eddie Miller</i></u> Date: <u>4-3-2014</u>		
Additional Comments:		



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Post Job Report

SandRidge Energy

Hank #3420 1-2H

4-10-14

Intermediate Casing

Comanche County, KS





SandRidge Energy
Hank #3420 1-2H
Comanche County, KS.

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SandRidge Energy
Hank #3420 1-2H
Comanche 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 Hank #3420 1-2H 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

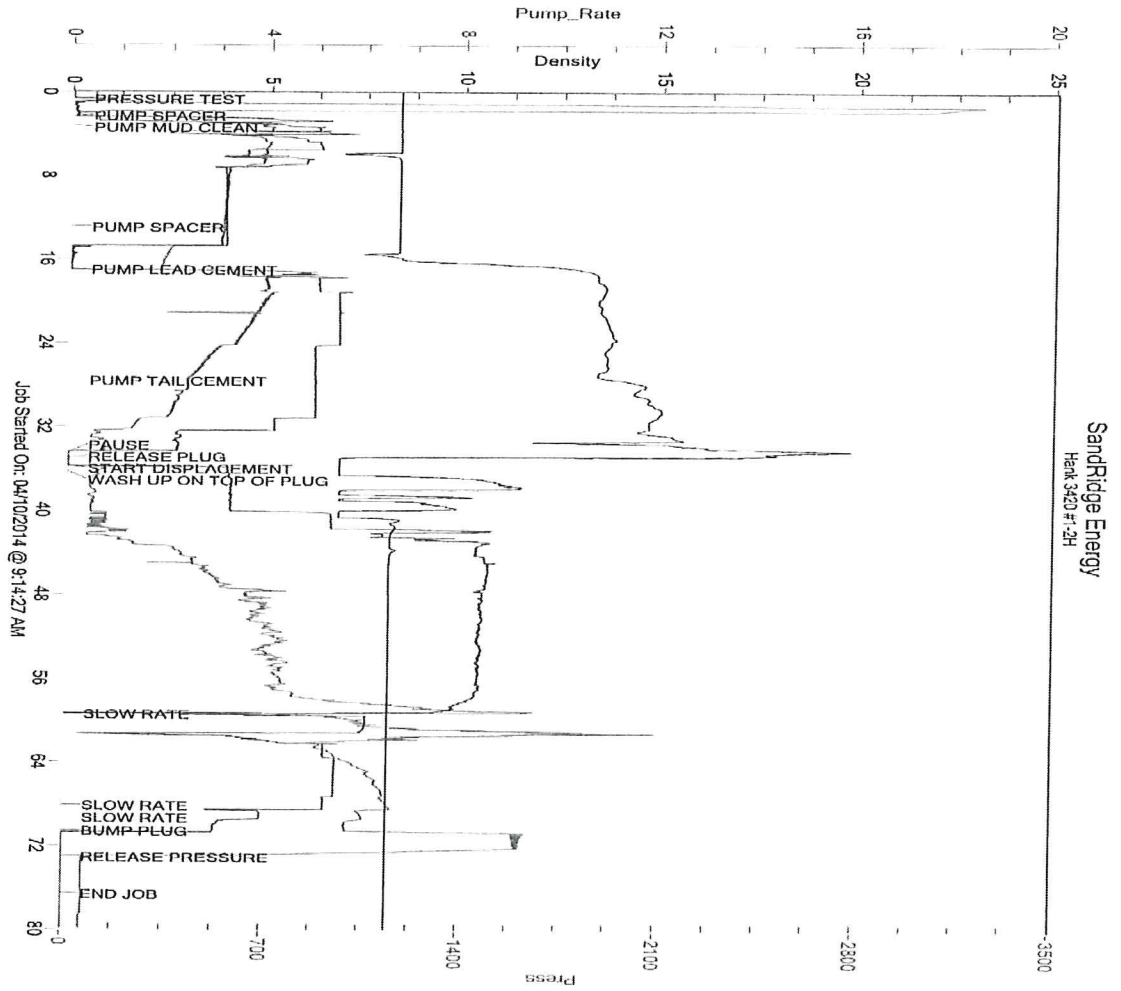
The top plug was then released and displaced with 213 of fresh water. The plug bumped and pressured up to 1600 psi. Pressure was released and floats held.

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

2.2 Job Summary Chart





SandRidge Energy
 Hank #3420 1-2H
 Comanche County, KS.

3.0 Customer Satisfaction Survey

Customer: SANDRIDGE
 Date: 4-10-14
 Well Name: Hank 3420- 1-2 H
 Well Location: Vic of Protection Ks
 Supervisor: T. SEBASTIAN
 Equipment Operators: Scott P James B



Performance	Customer	
Was the appearance of the personnel and equipment satisfactory?	<input checked="" type="radio"/> Yes	No
Was the job performed in a professional manner?	<input checked="" type="radio"/> Yes	No
Were the calculations prepared and explained properly?	<input checked="" type="radio"/> Yes	No
Were the correct services dispatched to the job site?	<input checked="" type="radio"/> Yes	No
Were the services performed as requested?	<input checked="" type="radio"/> Yes	No
Did the job site environment remain unchanged?	<input checked="" type="radio"/> Yes	No
Did the equipment perform in the manner expected?	<input checked="" type="radio"/> Yes	No
Did the materials meet your expectations?	<input checked="" type="radio"/> Yes	No
Was the crew prepared for the job?	<input checked="" type="radio"/> Yes	No
Was the crew prompt in the rig-up and actual job?	<input checked="" type="radio"/> Yes	No
Were reasonable recommendations given, as requested?	<input checked="" type="radio"/> Yes	No
Did the crew perform safely?	<input checked="" type="radio"/> Yes	No
Was the job performed to your satisfaction?	<input checked="" type="radio"/> Yes	No
Customer Signature:		
<u>Ricardo Robles</u>		Date: <u>9-10-2014</u>
Additional Comments:		