



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

TOTAL	\$15,131.73
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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.

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.

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