



SandRidge Energy
Leforce 3408 1-11H
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 Dave SWD #3703 1-8 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 2500 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

84.02 Bbls (255 sacks) of 13.2 ppg Lead slurry:
Class A – 1.85 Yield
2% Calcium Chloride
2% Gypsum
2% NAMS
.25 lb/sk Flocele

32.06 Bbls (150 sacks) of 15.6 ppg Tail slurry:
Class A - 1.2 Yield
2% Calcium Chloride
.25 lb/sk Flocele

The top plug was then released and displaced with 58 Bbls of fresh water. The plug bumped and pressured up to 900 psi. Pressure was released and floats held with .25 bbl back. 40 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.



INVOICE

DATE	INVOICE #
5/6/2015	5640

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	Start Date	End Date	Work Order	Rig Number	LEASE NAME	Terms
HARPER, KS	5/4/2015		4171	LARIAT 20	LEFORCE 3408 1-11H	Due on rec...

Description
DRILLED 90' OF " CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 90' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED 9 YARDS OF 10 SACK GROUT FOR CONDUCTOR HOLE FURNISHED 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 80' OF 16" CONDUCTOR PIPE TOTAL BID \$9,500.00

Sales Tax (6.15%)	\$256.58
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TOTAL	\$9,500.00
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