



INVOICE

DATE	INVOICE #
12/5/2014	5322

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
CLARK, KS	12/4/2014		3875	NOMAC 52	THEIS W 3525 1-8H	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 4 YARDS OF 10 SACK GROUT FOR MOUSE HOLE
 FURNISHED GROUT PUMP
 DRILL MOUSE HOLE
 FURNISHED 50' OF 16" CONDUCTOR PIPE

TOTAL BID \$23,000.00

AFE Number: DC 14342
 Well Name: Theis W 3525 1-8H
 Code: 850.010
 Amount: \$23,289.79
 Co. Man: Becky Smith for John Fortune
 Co. Man Sig.: _____
 Notes: _____

Sales Tax (6.15%) \$289.79

TOTAL	\$23,289.79
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SandRidge Energy
Theis W#3525 1-8H
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 Theis W #3525 1-8H 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 20 Bbls bbls of StopLoss Spacer . We then mixed and pumped the following cements:

105.5 Bbls (320 sacks) of 13.2 ppg Lead slurry
Class A Yield 1.85
2% Gypseal
2% SMS
2% CC
¼# Floseal

45 Bbls (185 sacks) of Tail slurry
Class A Yield 1.37
2% CC
2% Gel
¼# Floseal

The top plug was then released and displaced with 61 Bbls of fresh water. The plug bumped and pressured up to 680 psi. Pressure was released and floats held. Cement did not circulate to surface. The rig waited 6 Hours then a temperature survey was ran, Top of cement @ 470' 220' 1" tubing ran in hole, in eleven attempts of mixing cement of various quantities, an additional 1350 sacks Class A + 3% cc top out cement was pumped, cement did circulate to surface.

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
Theis #3525 1-8H
Clark 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 Theis #3525 1-8H 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 30 bbls of preflush spacer. We then mixed and pumped the following cements:

63.5 Bbls (255 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

11 Bbls (50 sacks) of 15.6 ppg Tail slurry:
Class A - 1.18 Yield
0.8% FL-160
0.2% CD-31

While mixing tail cement Allied encountered problems with cement pump, pumps were stopped and the plug was then released, Moved iron back to rig, and displaced and bumped plug 500 psi over lift pressure, pressure was released and floats held.

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

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