



**INVOICE**

DATE	INVOICE #
10/8/2014	5165

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

<b>REMIT TO</b>
EDGE SERVICES, INC. PO BOX 609 WOODWARD, OK 73802

COUNTY	STARTING D...	WORK ORDER	RIG NUMBER	LEASE NAME	Terms
HARPER, KS	10/6/2014	3777	NOMAC 52	CAROTHERS 3306 1-3H	Due on rec...

**Description**

DRILLED 90' OF 30" 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 50' OF 16" CONDUCTOR PIPE

TOTAL BID \$20,500.00

AFE Number: DC 14020  
 Well Name: Carothers 3306 1-3H  
 Code: 850.010  
 Amount: \$20,732.59  
 Co. Man: John Forbush  
 Co. Man Sig: [Signature]  
 Notes: \_\_\_\_\_

<b>Sales Tax (6.15%)</b>	\$232.59
<b>TOTAL</b>	\$20,732.59



SandRidge Energy  
Carothers #3306 1-3H  
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 Carothers #3306 1-3H 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:

63.5 Bbls (190 sacks) of 12.7 ppg Lead slurry:  
Class A poz Blend Yeild 1.87  
6% Gel  
2% CC  
¼# Floseal

32 Bbls (150 sacks) of 15.6 ppg Tail slurry  
Class A Yeild 1.20  
2% CC  
¼ # Floseal

The top plug was then released and displaced with 53 Bbls 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.



SandRidge Energy  
Carothers #3306 1-3  
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 Carothers #3306 1-3 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 185 of fresh water. The plug bumped and pressured up to 1650 psi. 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.