



INVOICE

DATE	INVOICE #
3/5/2014	4595

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
KIOWA, KS	3/1/2014	3504	HORIZON 4	ELIZIBETH 2819 1-19H	Due on rec...

Description	
DRILLED 60' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED 60' OF 20" CONDUCTOR PIPE FURNISHED WELDER AND MATERIALS FURNISHED 5 YARDS OF GRADE A CEMENT DRILL MOUSE HOLE TOTAL BID \$9,888.80	

Sales Tax (7.15%)	\$88.80
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TOTAL	\$9,888.80
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SandRidge Energy
Elizabeth #2819 1-19H
Kiowa 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 Elizabeth #2819 1-19 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:

98 Bbls (295 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend - 1.87 Yield
6.0% Gel
2.0%cc
¼# Floseal

32Bbls (150 sacks) of 15.6 ppg Tail slurry:
Class A - 1.20 Yield
2.0%cc
¼# Floseal

The top plug was then released and displaced with 69.5 Bbls of fresh water. The plug bumped and pressured up to 1100 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
Elizabeth 2819 1-19
Kiowa Co.

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 Elizabeth 2819 1-19 Rotary Plug

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 spotting 4 cement plugs with a gel spacer ahead and behind each plug, then displaced with mud to desired depth. 215 sacks total pumped as follows:

Plug 1 at 1260':

12.02 Bbls (50 sacks) of 14.1 ppg
60:40 Class A: Poz Blend – 1.35 Yield
4.0% Gel

Plug 2 at 960':

18.03 Bbls (75 sacks) of 14.1 ppg
60:40 Class A: Poz Blend – 1.35 Yield
4.0% Gel

Plug 3 at 330':

14.43 Bbls (60 sacks) of 14.1 ppg
60:40 Class A: Poz Blend – 1.35 Yield
4.0% Gel

Plug 4 at 60':

7.21 Bbls (30 sacks) of 14.1 ppg
60:40 Class A: Poz Blend – 1.35 Yield
4.0% Gel

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