



SandRidge Energy
Donald M Todd #3318 3-12
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 Donald M Todd #3318 3-12 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 4000 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 220.75 of fresh water. The plug bumped and pressured up to 1550 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
Donald M Todd #3318 3-12
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 Donald M Todd #3318 3-12 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 3000 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

77 Bbls (230 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend - 187 Yield
6.0% Gel
2.0% cc
¼# Floseal

46Bbls (215 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 60 Bbls of fresh water. The plug bumped and pressured up to 400 psi. Pressure was released and floats held. Cement did not circulate to surface. Additional cement was taken to location for top off. 1" tubing was ran down the outside of the 9 5/8" casing to a depth of 160'. We then mixed and pumped the following cement.

43 Bbls (200 sacks) of 15.6 ppg Slurry
Class A- 1.20 Yield
2.0% cc
¼# Floseal

Cement did circulate to surface

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



INVOICE

DATE	INVOICE #
1/9/2014	4485

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, ...	1/7/2014	3430	HORIZON 4	DONALD M TODD 3318 3-12H	Due on rec...

Description	
DRILLED 120' OF 30" CONDUCTOR HOLE DRILLED 6' OF 76" HOLE FURNISHED AND SET 6' X 6' TINHORN CELLAR FURNISHED ' OF 20" CONDUCTOR PIPE FURNISHED MUD, WATER, AND TRUCKING FURNISHED WELDER AND MATERIALS FURNISHED 10 YARDS OF GRADE A CEMENT FURNISHED GROUT PUMP DRILL MOUSE HOLE FURNISHED 25' OF 14" CONDUCTOR PIPE TOTAL BID \$18,125.00	
Sales Tax (6.15%)	\$147.11

TOTAL	\$18,272.11
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