



Invoice

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 Woodward, OK 73802
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Date	Invoice #
10/27/2014	3196

Bill To
SandRidge Energy, Inc. Attn: Purchasing Mgr. 123 Robert S. Kerr Avenue Oklahoma City, OK. 73102

Ordered By	Terms	Date of Service	Lease Name/Legal Desc.	Drilling Rig
Carl Miller	Net 30	10/27/2014	Ransom 3419 2-18H, Comanche Cnty, KS	Nomac 52

Item	Quantity	Description	
Conductor Hole	120	Drilled 120 ft. conductor hole.	
20" Pipe	120	Furnished 120 ft. of 20 inch conductor pipe.	
Mouse Hole	80	Drilled 80 ft. mouse hole.	
16" Pipe	80	Furnished 80 ft. of 16 inch mouse hole pipe.	
Cellar Hole	1	Drilled 6x6 cellar hole.	
6' X 6' Tinhorn	1	Furnished and set 6x6 tinhorn.	
Mud and Water	1	Furnished mud and water.	
Transport Truck - Conductor	1	Transport mud and water to location.	
Grout & Trucking	14	Furnished 14 yards of grout and trucking to location.	
Grout Pump	1	Furnished grout pump.	
Fence Panels	1	Furnished and set safety netting around holes.	
Welder & Materials	1	Furnished welder and materials.	
Dirt Removal	1	Labor and equipment for dirt removal.	
Cover Plate	1	Furnished cover plates.	
Permits	1	Permits	
		Subtotal	\$20,500.00
		Sales Tax	\$0.00
		Total	\$20,500.00



SandRidge Energy
Ransom 3419 #2-18H
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 Ransom 3419 #2-18H 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 1000 psi. After a successful test we began the job by pumping 10 bbls of fresh water spacer. We then mixed and pumped the following cements:

76.60 Bbls (230 sacks) of 12.7 ppg Lead slurry:
65:35 Class A:Poz Blend – 1.87 Yield
6.0% Gel
2.0% Calcium Chloride
0.25# Flocele

31.52 Bbls (150 sacks) of 15.6 ppg Tail slurry:
Class A - 1.18 Yield
2.0% Calcium Chloride
0.25# Flocele

The top plug was then released and displaced with 53 Bbls of fresh water. The plug bumped and pressured up to 870 psi. Pressure was released and floats held. 30 bbl cement circulated to the pit.

All real time data can be review in the chart section of the report.

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
Ransom #3419 2-18 H
Comanche County, Oklahoma.

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 Ransom #3419 2-18H 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 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:

44 Bbls (175 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 230 of fresh water. The plug did not land, Release pressure + 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.