

SandRidge Energy Winsor #3404 1-29 SWD Sumner 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 Winsor #3404 1-29 SWD 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 1500 psi. After a successful test we began the job by pumping 10 bbls of preflush spacer. We then mixed and pumped the following cements:

52 Bbls (155 sacks) of 12.7 ppg Lead slurry: Class A poz Blend 6% Gel 2% CC 1/4# Floseal

32 Bbls (155 sacks) of 15.6 ppg Tail slurry Class A 2% CC ¼ # Floseal

The top plug was then released and displaced with 30 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.

Operator Name: Well Name: SANDRIDGE ENERGY INC EBUSINESS

Windsor SWD 3404 1-29

May 07, 2014



Pump Schedule

5 1/2 " Production

Fluid#	Fluid Type - Name	Surface Density (lb/gal)	Estimated Avg. Rate (bbl/min)		Water Required (bbl.)
Spacer 1	Super Flush	8.50	5	30.0	30.0
Lead 1	ALLIED LIGHT WEIGHT CEMENT: TYPE 1 -	12.80	5	156.0	108.7
Tail 1	CLASS A COMMON	14.50	5	45.0	27.5
Displacement 1	Displacement	8.33	5	120.7	120.7

TOTALS

351.8 🗸

286.9

Estimated pump time @ 4 bpm Estimated pump time @ 8 bpm 1.47 0.73

hrs hrs

Fluids Design

5 1/2 " Production

Spacer 1 Super Flush

Fluid Density: Fluid Volume: 8.50 lb/gal

30.0 bbls

Lead 1 ALLIED LIGHT WEIGHT CEMENT: TYPE 1 - CLASS A

65:35 Class A:Poz blend, 6% Gel 0.4% BWOC Fluid Loss -FL-160

3 lb/sk Gilsonite

Slurry Density: Slurry Yield: 12.80 lb/gal 1.83 ft³/sk

Mixing Water

9.51 gal/sk 480 sks

Total sacks Total barrels

156.0 bbls

Tail 1 CLASS A COMMON

100% Class A - Neat

2% BWOC Premium Gel 0.6% BWOC Fluid Loss -FL-160 0.1% BWOC Suspension Agent - SA45

5 lb/sk Gilsonite

Slurry Density: Slurry Yield:

14.50 lb/gal 1.44 ft³/sk

Mixing Water Total sacks Total barrels 6.60 gal/sk 175 sks 45.0 bbls

Displacement 1 Displacement

Fluid Density:

Fluid Volume:

8.33 lb/gal

120.7 bbls



BASIN SERVICES, LLC P O BOX 4268 ABILENE, TX 79608-4268 Phone # (325)690-0053 Fax # (325)698-0055

TICKET

TICKET NUMBER: TICKET DATE:

WY-284-1 05/10/2014

ELECTRONIC

SANDRIDGE ENERGY ***** BILL IN ADP!! ***** 123 ROBERT S KERR AVE

OKLAHOMA CITY, OK 73102-6406

YARD: WY WAYNOKA OK LEASE: Windsor SWD 3404

WELL#: 1-29 RIG #: Tomcat 3

Co/St: SUMNER, KS

DESCRIPTION	QUANTITY	RATE	AMOUNT	
5/9-10/2014 DRILLED 30" CONDUCTOR HOLE				
5/9-10/2014 20" CONDUCTOR PIPE (.250 WALL)				
5/9-10/2014 6' X 6' CELLAR TINHORN WITH PROTECTIVE RING				
5/9-10/2014 DRILL & INSTALL 6' X 6' CELLAR TINHORN				
5/9-10/2014 DRILLED 20" MOUSE HOLE (PER FOOT)				
5/9-10/2014 16" CONDUCTOR PIPE (.250 WALL)				
5/9-10/2014 DRILLED 20" RATHOLE (PER FOOT)				
5/9-10/2014 MOBILIZATION OF EQUIPMENT & ROAD PERMITTING FEE				
5/9-10/2014 WELDING SERVICES FOR PIPE & LIDS				
5/9-10/2014 PROVIDED EQUIPMENT & LABOR TO ASSIST IN PUMPING				
CONCRETE				
5/9-10/2014 PROVIDED METAL LIDS (1 FOR CONDUCTOR & 2 FOR				
MOUSEHOLE PIPE)				
5/9-10/2014 10 YDS OF 10 SACK GROUT				
5/9-10/2014 TAXABLE ITEMS			4,800.00	
5/9-10/2014 BID - TAXABLE ITEMS			12,450.00	
			47.070.00	
Sub T			17,250.00	
Tax SUMNER COUNTY (6.65		_	319.20	
I, the undersigned, acknowledge the acceptance of the above listed goods and/or services. TICKET TO	IAL:	=	\$ 17,569.20	
Approved Signature				