



### Completed Interval

FORMATION: WILLIAMS FORK - CAMEO Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 05/06/2013 End Date: 05/11/2013 Date of First Production this formation: 05/14/2013

Perforations Top: 6097 Bottom: 7950 No. Holes: 129 Hole size: 35/100

Provide a brief summary of the formation treatment: Open Hole:

1921 Gals 7 1/2% HCL; 766200 # 40/70 Sand; 20721 Bbls Slickwater (Summary)

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 20767 Max pressure during treatment (psi): 5515

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.43

Type of gas used in treatment: Min frac gradient (psi/ft): 0.77

Total acid used in treatment (bbl): 45 Number of staged intervals: 6

Recycled water used in treatment (bbl): 20721 Flowback volume recovered (bbl): 8719

Fresh water used in treatment (bbl): Disposition method for flowback: RECYCLE

Total proppant used (lbs): 766200 Rule 805 green completion techniques were utilized:

Reason why green completion not utilized:

**Fracture stimulations must be reported on FracFocus.org**

#### Test Information:

Date: 06/30/2013 Hours: 24 Bbl oil: 0 Mcf Gas: 516 Bbl H2O: 0

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 516 Bbl H2O: 0 GOR: 0

Test Method: FLOWING Casing PSI: 1335 Tubing PSI: 929 Choke Size: 10/64

Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1059 API Gravity Oil: 0

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7746 Tbg setting date: 05/29/2013 Packer Depth:

Reason for Non-Production:

Date formation Abandoned: Squeeze:  Yes  No If yes, number of sacks cmt

\*\* Bridge Plug Depth: \*\* Sacks cement on top: \*\* Wireline and Cement Job Summary must be attached.

Comment:

• All flowback water entries are total estimates based on commingled volumes.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: Print Name: Sandra Salazar

Title: Permit Technician II Date: 7/9/2013 Email: sandra.salazar@wpenergy.com

### Attachment Check List

Att Doc Num	Name
400442468	FORM 5A SUBMITTED
400445193	WELLBORE DIAGRAM

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)