

FORM  
5A

Rev  
06/12

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Date Received:

**COMPLETED INTERVAL REPORT**

The completed interval Report, Form 5A, shall be submitted within thirty (30) days of completing a formation (successful or not), when a formation is temporarily abandoned or permanently abandoned, for a recompletion, reperforation or restimulation, or when a formation is commingled. Fill out a section for each formation. Attach as many pages as required to fully describe the work. List in order of completion.

1. OGCC Operator Number: 10112  
2. Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC  
3. Address: 16000 DALLAS PARKWAY #875  
City: DALLAS State: TX Zip: 75248-  
4. Contact Name: Matt Stark  
Phone: (918) 585-1650  
Fax: (918) 585-1660

5. API Number 05-103-11890-00  
6. County: RIO BLANCO  
7. Well Name: Banta Ridge Federal  
Well Number: 4A-18-1-103  
8. Location: QtrQtr: Lot 4 Section: 18 Township: 1S Range: 103W Meridian: 6  
9. Field Name: BANTA RIDGE Field Code: 5200

### Completed Interval

FORMATION: MANCOS B Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 12/16/2012 End Date: 12/17/2012 Date of First Production this formation: 12/31/2012

Perforations Top: 4342 Bottom: 4482 No. Holes: 100 Hole size: 34/100

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

Pump time begin 11:33 AM  
Stage 1 Load and Break: 3.1 bbls linear gel, 5.0 bpm, 934 psi (broke at 2448 psi)  
Stage 2 15% FE acid, 150 bio balls: 24.6 bbls, 10.1 bpm, 1271 psi  
Stage 3 spacer: 79.8 bbls linear gel, 8.9 bpm, 2361 psi  
Stage 4 Pad: 836.4 bbls xlinked gel, 42.9 bpm, 2381 psi  
Stage 5: 190.9 bbls xlinked gel, 45.1 bpm, 2295 psi (0.51 ppg 20/40 sand)  
Stage 6: 189 bbls xlinked gel, 45.1 bpm, 2160 psi (1.02 ppg 20/40 sand)  
Stage 7: 189.9 bbls xlinked gel, 45.1 bpm, 2065 psi (1.5 ppg 20/40 sand)  
Stage 8: 238.5 bbls xlinked gel, 45.1 bpm, 1930 psi (2.01 ppg 20/40 sand)  
Stage 9: 285.6 bbls xlinked gel, 45.1 bpm, 1815 psi (2.51 ppg 20/40 sand)  
Stage 10: 286.6 bbls xlinked gel, 45.1 bpm, 1778 psi (3.01 ppg 20/40 sand)  
Stage 11: 273.0 bbls xlinked gel, 45.0 bpm, 1705 psi (3.49 ppg 20/40 sand)  
Stage 12: 349.1 bbls xlinked gel, 45.1 bpm, 1722 psi (3.31 ppg 20/40 sand)  
for stage 12, extra water brought concentration down, but still got sand volume for 4.0 ppg pumped  
Stage 13 flush: 72.6 bbls linear gel, 45.2 bpm, 1941 psi (5 bbl overflush to end job)  
Pump time end 1:09 PM

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): <u>3019</u>	Max pressure during treatment (psi): <u>2588</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.54</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.74</u>
Total acid used in treatment (bbl): <u>24</u>	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>0</u>
Fresh water used in treatment (bbl): <u>2898</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>199080</u>	Rule 805 green completion techniques were utilized: <input type="checkbox"/>
	Reason why green completion not utilized: <u>PRESSURE</u>

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

#### Test Information:

Date: 01/04/2013 Hours: 24 Bbl oil: 13 Mcf Gas: 107 Bbl H2O: 17  
Calculated 24 hour rate: Bbl oil: 13 Mcf Gas: 107 Bbl H2O: 17 GOR: 8230  
Test Method: flow Casing PSI: 450 Tubing PSI: 95 Choke Size: \_\_\_\_\_  
Gas Disposition: SOLD Gas Type: DRY Btu Gas: 1284 API Gravity Oil: 40  
Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ 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: \_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: Matt Stark  
Title: Completion Engineer Date: \_\_\_\_\_ Email: Mstark@foundationenergy.com

**Attachment Check List**

Att Doc Num	Name

Total Attach: 0 Files

**General Comments**

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

Total: 0 comment(s)