

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400371040

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

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 BStatus: PRODUCINGTreatment Type: FRACTURE
STIMULATIONTreatment Date: 12/16/2012End Date: 12/17/2012Date of First Production this formation: 12/31/2012Perforations Top: 4342Bottom: 4482No. Holes: 100Hole 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 ☒ NoTotal fluid used in treatment (bbl): 3019Max pressure during treatment (psi): 2588Total gas used in treatment (mcf): 0Fluid density at initial fracture (lbs/gal): 8.54

Type of gas used in treatment: _____

Min frac gradient (psi/ft): 0.74Total acid used in treatment (bbl): 24Number of staged intervals: 1Recycled water used in treatment (bbl): 0Flowback volume recovered (bbl): 0Fresh water used in treatment (bbl): 2898Disposition method for flowback: DISPOSALTotal proppant used (lbs): 199080Rule 805 green completion techniques were utilized: ☐Reason why green completion not utilized: PRESSURE**Fracture stimulations must be reported on FracFocus.org**

Test Information:

Date: 01/04/2013Hours: 24Bbl oil: 13Mcf Gas: 107Bbl H2O: 17

Calculated 24 hour rate:

Bbl oil: 13Mcf Gas: 107Bbl H2O: 17GOR: 8230Test Method: flowCasing PSI: 450Tubing PSI: 95

Choke Size: _____

Gas Disposition: SOLDGas Type: DRYBtu Gas: 1284API 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 StarkTitle: Completion Engineer

Date: _____

Email Mstark@foundationenergy.com

Attachment Check List

Att Doc Num	Name

Total Attach: 0 Files

General Comments

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

Total: 0 comment(s)