

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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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: 10203  
2. Name of Operator: BLACK RAVEN ENERGY INC  
3. Address: 165 S UNION BLVD SUITE 410  
City: LAKEWOOD State: CO Zip: 80228  
4. Contact Name: Jan Warusavitharana  
Phone: (303) 308-1330  
Fax: (303) 308-1590  
Email: jwar@enerjexresources.com

5. API Number 05-087-05259-00  
6. County: MORGAN  
7. Well Name: Clar  
Well Number: B-1  
8. Location: QtrQtr: SWSE Section: 13 Township: 1N Range: 58W Meridian: 6  
9. Field Name: ADENA Field Code: 700

Completed Interval

FORMATION: D SAND Status: SHUT IN Treatment Type:

Treatment Date: End Date: Date of First Production this formation:

Perforations Top: 5604 Bottom: 5618 No. Holes: 56 Hole size: 43/100

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

D sand perforated at 5604 to 5618 with 4spf, 39 grm charge, 14 net ft, 56 total shots, 0.43" ehd.

This formation is commingled with another formation: ☐ Yes ☒ No

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

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

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

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

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

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

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

Reason why green completion not utilized:

Fracture stimulations must be reported on FracFocus.org

Test Information:

Date: Hours: Bbl oil: Mcf Gas: Bbl H2O:

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

Test Method: Casing PSI: Tubing PSI: Choke Size:

Gas Disposition: Gas Type: Btu Gas: API Gravity Oil:

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.

FORMATION: J SAND Status: PLUGGED AND ABANDONED Treatment Type: \_\_\_\_\_

Treatment Date: \_\_\_\_\_ End Date: \_\_\_\_\_ Date of First Production this formation: \_\_\_\_\_

Perforations Top: 5663 Bottom: 5688 No. Holes: 100 Hole size: \_\_\_\_\_

Provide a brief summary of the formation treatment: \_\_\_\_\_ Open Hole: ☐

No treatment of the J sand; the original J sand perforations were abandoned with a CIBP at 5648 and 2 sacks of cement.

This formation is commingled with another formation: ☐ Yes ☒ No

Total fluid used in treatment (bbl): \_\_\_\_\_ Max pressure during treatment (psi): \_\_\_\_\_

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

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

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: \_\_\_\_\_

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): \_\_\_\_\_

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

Total proppant used (lbs): \_\_\_\_\_ Rule 805 green completion techniques were utilized: ☐

Reason why green completion not utilized: \_\_\_\_\_

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

**Test Information:**

Date: \_\_\_\_\_ Hours: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_

Calculated 24 hour rate: \_\_\_\_\_ Bbl oil: \_\_\_\_\_ Mcf Gas: \_\_\_\_\_ Bbl H2O: \_\_\_\_\_ GOR: \_\_\_\_\_

Test Method: \_\_\_\_\_ Casing PSI: \_\_\_\_\_ Tubing PSI: \_\_\_\_\_ Choke Size: \_\_\_\_\_

Gas Disposition: \_\_\_\_\_ Gas Type: \_\_\_\_\_ Btu Gas: \_\_\_\_\_ API Gravity Oil: \_\_\_\_\_

Tubing Size: \_\_\_\_\_ Tubing Setting Depth: \_\_\_\_\_ Tbg setting date: \_\_\_\_\_ Packer Depth: \_\_\_\_\_

Reason for Non-Production: No longer economic due to high water cut and well is being converted to a water injection well in an enhanced recovery project.

Date formation Abandoned: 12/17/2012 Squeeze: ☐ Yes ☒ No If yes, number of sacks cmt \_\_\_\_\_

\*\* Bridge Plug Depth: 5648 \*\* Sacks cement on top: 2 \*\* Wireline and Cement Job Summary must be attached.

Comment:

During this recompletion, the original J sand completion was abandoned beneath a CIBP and 2 sacks of cement, remedial cement was pumped from 251' to the surface (reported on Form 5), and the D sand was perforated in preparation for conversion of this well to an injection well in the D sand enhanced recovery unit that was approved under COGCC order 26-60 on May 21, 1990.

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

Signed: \_\_\_\_\_ Print Name: Jan Warusavitharana

Title: Geological Technician Date: \_\_\_\_\_ Email jwar@enerjexresources.com

### Attachment Check List

Att Doc Num	Name
400876402	OTHER
400876456	CEMENT JOB SUMMARY
400876458	WIRELINE JOB SUMMARY
400876460	WIRELINE JOB SUMMARY
400876461	WIRELINE JOB SUMMARY
400877214	WELLBORE DIAGRAM

Total Attach: 6 Files

### General Comments

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

Total: 0 comment(s)