

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:

400509680

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: <u>10203</u>	4. Contact Name: <u>David Kunovic</u>
2. Name of Operator: <u>BLACK RAVEN ENERGY INC</u>	Phone: <u>(303) 308-1330</u>
3. Address: <u>1331 17TH STREET - #350</u>	Fax: <u>(303) 308-1590</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>dkunovic@enerjexresources.com</u>

5. API Number <u>05-087-05396-00</u>	6. County: <u>MORGAN</u>
7. Well Name: <u>HOUGH, R M</u>	Well Number: <u>B-2</u>
8. Location: QtrQtr: <u>NENW</u> Section: <u>7</u> Township: <u>1N</u> Range: <u>57W</u> Meridian: <u>6</u>	
9. Field Name: <u>ADENA</u> Field Code: <u>700</u>	

### Completed Interval

FORMATION: D SAND Status: PRODUCING Treatment Type: FRACTURE STIMULATION

Treatment Date: 11/05/2013 End Date: 11/05/2013 Date of First Production this formation: 11/18/2013

Perforations Top: 5517 Bottom: 5531 No. Holes: 56 Hole size: 21/50

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

FRAC WITH ;  
17080 LBS 20/40 OTTOWA  
3,260 LBS 18/40 VERSAPROP  
20,366 FOAM GEL, 487.7 BBLS FLUID  
MAX FLUID RATE 13.9 BBLS/MINUTE  
AVE. FLUID RATE 11.8 BBL/MINUTE  
MAX Psi - 3948  
Ave Psi - 2808  
ISIP= 2550 PSI  
5 MIN = 2485 PSI  
10 MIN= 2420 PSI  
15 MIN = 2210 PSI

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 487 Max pressure during treatment (psi): 3948

Total gas used in treatment (mcf): \_\_\_\_\_ Fluid density at initial fracture (lbs/gal): 8.67

Type of gas used in treatment: \_\_\_\_\_ Min frac gradient (psi/ft): 0.72

Total acid used in treatment (bbl): \_\_\_\_\_ Number of staged intervals: 1

Recycled water used in treatment (bbl): \_\_\_\_\_ Flowback volume recovered (bbl): 400

Fresh water used in treatment (bbl): 487 Disposition method for flowback: RECYCLE

Total proppant used (lbs): 20340 Rule 805 green completion techniques were utilized:

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

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

#### Test Information:

Date: 11/09/2013 Hours: 24 Bbl oil: 9 Mcf Gas: 1 Bbl H2O: 74

Calculated 24 hour rate: Bbl oil: 9 Mcf Gas: 1 Bbl H2O: 74 GOR: 0

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

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1200 API Gravity Oil: 40

Tubing Size: 2 + 7/8 Tubing Setting Depth: 5553 Tbg setting date: 11/12/2013 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:

This well was a shut in J sand oil well in the Adena J Sand Unit. The previous operator set a CIBP at 5566 ft. (12 ft above the J sand perfs) and perforated the D Sand. No Forms or sundry notices were filed with the COGCC. The previous operator swabbed a low volume show of oil and water and then the well was shut in. Black Raven's recompletion - run tubing and packer set at 5491 ft. and ran COGCC witnessed MIT on 11/1/13. The D Sand perfs were fraced and the well was placed on rod pump. Date of first production was 11/18/13. The well was produced into the existing Hough tank battery. No new production equipment was set at the well site except the pump jack. There has not been any surface disturbance beyond the originally completed well site. No drilling and no pits.

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

Signed: \_\_\_\_\_ Print Name: David Kunovic

Title: VP Exploration Date: \_\_\_\_\_ Email: dkunovic@enerjexresources.com

## Attachment Check List

**Att Doc Num**

**Name**

400594110

WELLBORE DIAGRAM

Total Attach: 1 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

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

Total: 0 comment(s)