

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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Document Number:

400872762

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: 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 05-087-05248-00
6. County: MORGAN
7. Well Name: Nichols
Well Number: 2
8. Location: QtrQtr: NWNE Section: 24 Township: 1N Range: 58W Meridian: 6
9. Field Name: ADENA Field Code: 700

Completed Interval

FORMATION: D SAND Status: ABANDONED Treatment Type: ACID JOB
WELLBORE/COMPLETION

Treatment Date: 12/18/2013 End Date: 12/18/2013 Date of First Production this formation:

Perforations Top: 5627 Bottom: 5634 No. Holes: 42 Hole size: 0.39

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

Abandoned J-Sand by setting CIBP @ 5665. Dumped 2 sacks of cement on top.
Perf D-Sand 5627-5634, 6 spf, 0.39" EHD. Breakdown zone with 500gal of 10% acetic acid. Return to production.

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

Total fluid used in treatment (bbl): 34 Max pressure during treatment (psi): 5123

Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.38

Type of gas used in treatment: Min frac gradient (psi/ft): 0.43

Total acid used in treatment (bbl): 13 Number of staged intervals: 1

Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 34

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

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: 12/27/2013 Hours: 8 Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 109

Calculated 24 hour rate: Bbl oil: 0 Mcf Gas: 0 Bbl H2O: 327 GOR: 0

Test Method: Swab Casing PSI: 0 Tubing PSI: 0 Choke Size: 0

Gas Disposition: Gas Type: Btu Gas: 0 API Gravity Oil: 0

Tubing Size: 2 + 3/8 Tubing Setting Depth: 5599 Tbg setting date: 12/17/2013 Packer Depth: 5599

Reason for Non-Production: Well produced all water

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: 5689 Bottom: 5704 No. Holes: 60 Hole size: _____

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

Abandoned J-Sand by setting CIBP @ 5665. Dumped 2 sacks of cement on top

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: Abandoned due to 100% water

Date formation Abandoned: 12/13/2013 Squeeze: ☐ Yes ☐ No If yes, number of sacks cmt _____

** Bridge Plug Depth: 5665 ** Sacks cement on top: 2 ** Wireline and Cement Job Summary must be attached.

Comment:

Abandoned J-Sand by setting CIBP @ 5665. Dumped 2 sacks of cement on top.
Perf D-Sand 5627-5634, 6 spf, 0.39" EHD. Breakdown zone with 500gal of 10% acetic acid. Return to production.

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
400878753	WIRELINE JOB SUMMARY
400878754	OTHER
400878789	WIRELINE JOB SUMMARY
400878799	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

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

Total: 0 comment(s)