

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:

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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: <u>57667</u>	4. Contact Name: <u>CLAYTON DOKE</u>
2. Name of Operator: <u>MINERAL RESOURCES, INC.</u>	Phone: <u>(720) 420-5700</u>
3. Address: <u>PO BOX 328</u>	Fax: <u>(720) 420-5800</u>
City: <u>GREELEY</u> State: <u>CO</u> Zip: <u>80632</u>	Email: <u>clay.doke@iptenergyservices.com</u>

5. API Number <u>05-123-24208-00</u>	6. County: <u>WELD</u>
7. Well Name: <u>HWY 85-3</u>	Well Number: <u>C4</u>
8. Location: QtrQtr: <u>NENE</u> Section: <u>20</u> Township: <u>5N</u> Range: <u>65W</u> Meridian: <u>6</u>	
9. Field Name: <u>WATTENBERG</u>	Field Code: <u>90750</u>

Completed Interval

FORMATION: <u>CODELL</u>		Status: <u>COMMINGLED</u>		Treatment Type: <u>FRACTURE STIMULATION</u>	
Treatment Date: <u>04/02/2011</u>		End Date: <u>04/02/2011</u>		Date of First Production this formation: _____	
Perforations	Top: <u>7980</u>	Bottom: <u>7990</u>	No. Holes: <u>40</u>	Hole size: <u>042/100</u>	

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

Re-frac CODL w/ 129,528 gal fluid (32,084 gal SW, 97,444 gal xlink gel) and 253,940# 20/40 sand
 ISIP=2295, ISDP=3570, ATP=5043, ATR=50.9

This formation is commingled with another formation: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Total fluid used in treatment (bbl): <u>3084</u>	Max pressure during treatment (psi): <u>5608</u>
Total gas used in treatment (mcf): <u>0</u>	Fluid density at initial fracture (lbs/gal): <u>8.34</u>
Type of gas used in treatment: _____	Min frac gradient (psi/ft): <u>0.76</u>
Total acid used in treatment (bbl): <u>0</u>	Number of staged intervals: <u>1</u>
Recycled water used in treatment (bbl): <u>0</u>	Flowback volume recovered (bbl): <u>548</u>
Fresh water used in treatment (bbl): <u>3084</u>	Disposition method for flowback: <u>DISPOSAL</u>
Total proppant used (lbs): <u>253940</u>	Rule 805 green completion techniques were utilized: <input checked="" type="checkbox"/>

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: <input type="checkbox"/> Yes <input type="checkbox"/> No	If yes, number of sacks cmt _____
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** Bridge Plug Depth: _____
 ** Sacks cement on top: _____
 ** Wireline and Cement Job Summary must be attached.

FORMATION: NIOBRARA-CODELL Status: PRODUCING Treatment Type: _____

Treatment Date: _____ End Date: _____ Date of First Production this formation: 04/12/2011

Perforations Top: 7710 Bottom: 7990 No. Holes: 48 Hole size: 042/100

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

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: 04/20/2011 Hours: 24 Bbl oil: 25 Mcf Gas: 160 Bbl H2O: 21

Calculated 24 hour rate: Bbl oil: 25 Mcf Gas: 160 Bbl H2O: 21 GOR: 6400

Test Method: FLOWING Casing PSI: 1170 Tubing PSI: 980 Choke Size: 014/64

Gas Disposition: SOLD Gas Type: WET Btu Gas: 1272 API Gravity Oil: 63

Tubing Size: 2 + 3/8 Tubing Setting Depth: 7961 Tbg setting date: 05/03/2011 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: NIOBRARA Status: COMMINGLED Treatment Type: FRACTURE STIMULATION
Treatment Date: 04/03/2011 End Date: 04/02/2011 Date of First Production this formation:
Perforations Top: 7710 Bottom: 7836 No. Holes: 48 Hole size: 042/100
Provide a brief summary of the formation treatment: Open Hole: ☐

Perf. Frac NBRR A [7,710'-7,716'] & NBRR B [7,830'-7,836'] w/ 231,126 gal fluid (131,082 gal SLKW, 100,044 gal XLG)& 294,580# sand (240,440# 20/40 & 54,140# 40/70)
ISIP=3435, ISDP=3605, ATP=5177, ATR=51.1

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

Total fluid used in treatment (bbl): 5503 Max pressure during treatment (psi): 5863
Total gas used in treatment (mcf): 0 Fluid density at initial fracture (lbs/gal): 9.72
Type of gas used in treatment: Min frac gradient (psi/ft): 0.95
Total acid used in treatment (bbl): 0 Number of staged intervals: 1
Recycled water used in treatment (bbl): 0 Flowback volume recovered (bbl): 548
Fresh water used in treatment (bbl): 5503 Disposition method for flowback: DISPOSAL
Total proppant used (lbs): 294580 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.

Comment:

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

Signed: Print Name: CLAYTON DOKE
Title: SENIOR ENGINEER Date: Email: clay.doke@iptenergyservices.com

Attachment Check List

Att Doc Num Name

400562593 WELLBORE DIAGRAM

Total Attach: 1 Files

General Comments

User Group Comment Comment Date

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Total: 0 comment(s)