

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:  
401131795

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>10322</u>	4. Contact Name: <u>Greg Francis</u>
2. Name of Operator: <u>EAST CHEYENNE GAS STORAGE LLC</u>	Phone: <u>(303) 931-3435</u>
3. Address: <u>10370 RICHMOND AVE SUITE 510</u>	Fax: _____
City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77042</u>	Email: <u>gfrancis@mehllc.com</u>

5. API Number <u>05-075-09410-00</u>	6. County: <u>LOGAN</u>
7. Well Name: <u>ECGS</u>	Well Number: <u>31-7 WPD005-1</u>
8. Location: QtrQtr: <u>SESW</u> Section: <u>31</u> Township: <u>12N</u> Range: <u>52W</u> Meridian: <u>6</u>	
9. Field Name: <u>PEETZ WEST</u> Field Code: <u>68300</u>	

### Completed Interval

FORMATION: D SAND Status: SHUT IN Treatment Type: FRACTURE STIMULATION

Treatment Date: 10/13/2016 End Date: 10/13/2016 Date of First Production this formation: 10/26/2012  
Perforations Top: 5190 Bottom: 5200 No. Holes: 60 Hole size: 04/2

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

Dakota D sandstone was previously completed in a perforated interval of 5160-5173 & 5177-5190 feet. An additional perforated interval 5190-5200 feet was added to increase gas deliverability. The well was also scour fraced to enhance flow rates from the gas storage zone. Frac Summary: Frac well with 295 bbls slickwater with encapsuated oxidative breaker plus additives & 19,420 lbs 20/40 Ottawa sand. MTA/ATR 22.4/15.7 BPM & MTP/ATP of 1205/808 PSIG in 0.5/1.0/2.0/3.0/4.0 stages. Under displaced flush 0.5 bbls. ISIP/5 min/10 min: 1050/200/vac.

This formation is commingled with another formation:  Yes  No

Total fluid used in treatment (bbl): 295 Max pressure during treatment (psi): 1205  
Total gas used in treatment (mcf): Fluid density at initial fracture (lbs/gal): 8.00  
Type of gas used in treatment: Min frac gradient (psi/ft): 0.64  
Total acid used in treatment (bbl): Number of staged intervals: 5  
Recycled water used in treatment (bbl): Flowback volume recovered (bbl): 40  
Fresh water used in treatment (bbl): 295 Disposition method for flowback: DISPOSAL  
Total proppant used (lbs): 19420 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: 4 + 1/2 Tubing Setting Depth: 5161 Tbg setting date: 10/13/2016 Packer Depth: 5036

Reason for Non-Production: Well is active gas storage well.

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:

Dakota D sandstone was previously completed in a perforated interval of 5160-5173 & 5177-5190 feet. An additional perforated interval 5190-5200 feet was added to increase gas deliverability. The well was also given a small slickwater scour frac of 19,420 lbs of sand to enhance flow rates from the gas storage interval.

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

Signed: Print Name: Greg Francis  
Title: Project Geologist Date: Email gfrancis@mehllc.com

### Attachment Check List

Att Doc Num	Name
401132079	NET PRESSURE CHART
401132081	OPERATIONS SUMMARY
401132406	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

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

Total: 0 comment(s)