

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

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

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)