

FORM
6Rev
11/20

State of Colorado Oil and Gas Conservation Commission

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Document Number:

403239695

Date Received:

11/27/2022

WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.

A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 10322

Contact Name: Alex Beem

Name of Operator: EAST CHEYENNE GAS STORAGE LLC

Phone: (225) 7723841

Address: 370 VAN GORDON STREET

Fax:

City: LAKEWOOD State: CO Zip: 80228

Email: alex.beem@tallgrass.com

For "Intent" 24 hour notice required,

Name: Schure, Kym

Tel: (970) 520-3832

COGCC contact:

Email: kym.schure@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-075-07116-00

Well Name: Jorritsma

Well Number: 5

Location: QtrQtr: NWSE Section: 12 Township: 11N Range: 53W Meridian: 6

County: LOGAN

Federal, Indian or State Lease Number:

Field Name: LEWIS CREEK

Field Number: 49200

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.940070 Longitude: -103.236100

GPS Data: GPS Quality Value: 2.3 Type of GPS Quality Value: PDOP Date of Measurement: 06/08/2010

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Re-enter and re-plug to current standards.Casing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☐ Yes ☐ No If yes, explain details below

Details:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	5356	5382	10/01/1969	CEMENT	

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	10+3/4	9+5/8	NA	25.4	0	213	180	213	0	VISU
1ST	7+5/8	5+1/2	J55	15.5	4250	5414	250	5414	4300	CALC
OPEN HOLE	7+5/8				213	4250				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIBP #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIBP #4: Depth _____ with _____ sacks cmt on top.
CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set	75	sks cmt from	4250	ft. to	4050	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	75	sks cmt from	1375	ft. to	1175	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	75	sks cmt from	665	ft. to	465	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input checked="" type="checkbox"/>
Set	120	sks cmt from	300	ft. to	0	ft.	Plug Type:	CASING	Plug Tagged:	<input checked="" type="checkbox"/>
Set	10	sks cmt from	5396	ft. to	5320	ft.	Plug Type:	CASING	Plug Tagged:	<input checked="" type="checkbox"/>

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged: ☐

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☒ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing

Surface Plug Setting Date: _____ Cut and Cap Date: _____ Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____

*Wireline Contractor: _____

*Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

This well has been previously plugged and abandoned. There is low confidence that the plugs will sufficiently isolate the storage formation and aquifers, so we plan to re-plug this well according to today's standard.

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

Signed: _____ Print Name: Alex Beem

Title: Sr. Reservoir Engineer Date: 11/27/2022 Email: alex.beem@tallgrass.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Wolfe, Stephen Date: 12/7/2022

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 6/6/2023

COA Type	Description
	<p>Plugging</p> <p>1) Provide electronic Form 42 Notice of MIRU 2 business days ahead of operations and electronic Form 42 Notice of Plugging Operations 48 hours prior to mobilizing for plugging operations.</p> <p>2) Plugs and squeezes will be placed as stated in the Plugging Procedure section of the approved NOIA unless revised by COA or prior approval from COGCC is obtained.</p> <p>3) The wellbore must be static prior to placing cement plugs which are to be a minimum of 100' in length for all but surface plugs. Mechanical isolation requires a 25' cement plug, minimum. For plugs not specified to be tagged, a tag is required if circulation is not maintained while pumping plug and displacing to depth. Tag at tops specified or shallower. Notify COGCC Area Engineer before adding cement to previous plug.</p> <p>4) Place a 50' plug (minimum) at the surface, both inside the inner most casing and in all annular spaces. Surface plugs shall be circulated to surface. Confirm cement to surface in all strings during cut and cap.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>6) After placing the shallowest hydrocarbon isolating plug (4250'), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations.</p> <p>7) Plugging procedure has been modified as follows, If the casing stub can be re-entered, tag the existing plug at 5320' and add 20 sx cement plug.</p> <p>Plug #1 - 4250-4050', 75 sx open hole cement plug, WOC and tag.</p> <p>Plug #2 - 1375-1175', 75 sx open hole cement plug, WOC and tag.</p> <p>Plug #3 - 665-465', 75 sx open hole cement plug, WOC and tag.</p> <p>Plug #4 - 300-0', 120 sx casing plug, WOC and tag at 163' or higher if cement is not brought to the surface.</p> <p>Plug #5 - 50' of cement at the surface per COA #5.</p>
1 COA	

Attachment List

Att Doc Num	Name
403239695	FORM 6 INTENT SUBMITTED
403239701	WELLBORE DIAGRAM
403239702	WELLBORE DIAGRAM
403239703	PROPOSED PLUGGING PROCEDURE

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Engineer	<p>Groundwater: White River, Upper Pierre</p> <p>Deepest Water Well: 1241'(1mi, 7 wells) Upper Pierre</p> <p>Log: 075-07183 4/2/52 GR 4562 Ogallala base behind surface casing</p> <p>OGALLALA 0 190</p> <p>WHITE RIVER 190 600</p> <p>UPPER PIERRE 600 1200</p> <p>PIERRE SHALE 1233 1962</p>	12/07/2022
Permit	<p>Confirmed as-drilled well location.</p> <p>No other forms in process.</p> <p>Confirmed productive interval docnum: 630110.</p> <p>Corrected zones tab.</p> <p>Reviewed WBDs. and procedure.</p> <p>Pass.</p>	11/29/2022
OGLA	OGLA review is complete.	11/28/2022

Total: 3 comment(s)