FORM 6 Rev 11/20

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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Date Received: 06/14/2022

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: 10348 Contact Name: Jack Ryser

Name of Operator: MYSTIQUE RESOURCES COMPANY Phone: (719) 7675100

Address: 27242 E EUCLID DR Fax: (719) 7675228

City: AURORA State: CO Zip: 80016 Email: jroil88@hotmail.com

For "Intent" 24 hour notice required, COGCC contact: Name: Welsh, Brian Tel: (719) 325-6919 Email: brian.welsh@state.co.us

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

API Number 05-017-07666-00

Well Name: SHIRLEY ROTHER Well Number: 1

Location: QtrQtr: SESW Section: 33 Township: 14S Range: 42W Meridian: 6

County: CHEYENNE Federal, Indian or State Lease Number:

Field Name: ARAPAHOE Field Number: 2875

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.785900 Longitude: -102.122480

GPS Data: GPS Quality Value: 2.2 Type of GPS Quality Value: PDOP Date of Measurement: 06/06/2008

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☒ Mechanical Problems

☐ Other

Casing to be pulled: ☐ Yes ☒ No Estimated Depth: 0

Fish in Hole: ☐ Yes ☒ No If yes, explain details below

Wellbore has Uncemented Casing leaks: ☒ Yes ☐ No If yes, explain details below

Details: Multiple holes 2941' to 3631' = 960' bad

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
MORROW	5110	5120			

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	12+1/4	8+5/8	API	24	0	489	350	489	0	VISU
1ST	7+7/8	5+1/2	API	15.5	0	5443	300	5443	4486	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5060 with 2 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 100 sks cmt from 2300 ft. to 1500 ft. Plug Type: CASING Plug Tagged: ☐

Set 40 sks cmt from 550 ft. to 250 ft. Plug Type: CASING Plug Tagged: ☒

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

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 15 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:

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

Signed: _____ Print Name: Randall J Ryser

Title: Manager Date: 6/14/2022 Email: jroil88@hotmail.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: 6/23/2022

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 12/22/2022

Condition of Approval

COA Type	Description
	Bradenhead Testing Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations. 1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples. If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.
	Plugging 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. 2) Contact COGCC Area Inspector prior to commencing plugging operations. 3) 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. 4) 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. 5) 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. 6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed. 7) After placing the shallowest hydrocarbon isolating plug (5060'), 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. 8) Run a CBL from 2400' to surface to validate cement coverage prior to pumping plug #2. Fill casing before logging. Casing plugs below will have to be perf and squeeze if cement is not found to be behind pipe. Contact COGCC Area Engineer to confirm plugging orders as approved. Submit with Form 6 SRA. 9) Plugging procedure has been modified as follows, Plug #1 - 5060', CIBP with 2 sx of cement. Plug #2 - 2300-1500', 100 sx csg plug for Dakota-Cheyenne isolation, see COA #9. Plug #3 - 550-250', 40 sx csg plug, WOC and tag at 250' or shallower if cement is not circulated to surface and remains there, see COA #9. Plug #4 - 50' surface plug inside production casing and in surface casing annulus NOTE: Casing plugs are based on CBL confirmation of cement behind casing to surface. If cement coverage is not as submitted contact the COGCC Area Engineer prior to squeezing, 10) Properly abandon flowlines as per Rule 1105. Pursuant to Rule 911.a. Closure of Oil and Gas Facilities, Operator will submit Site Investigation and Remediation Workplans via Form 27 for COGCC prior approval before cutting and capping the plugged well, conducting flowline abandonment, and removing production equipment.
2 COAs	

Attachment List

Att Doc Num	Name
403060191	FORM 6 INTENT SUBMITTED
403079170	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Engineer	Groundwater: High Plains Aquifer behind surface casing, DKTA-CYNN Deepest water well: 427'(2mi, 13 wells, 3940') Log: 017-07666 5/23/2008 Dakota 1715-1890', Cheyenne 2060-2130'	06/23/2022
OGLA	OGLA review completed.	06/22/2022

Total: 2 comment(s)