

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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Document Number:

402734228

Date Received:

06/30/2021

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: 53255

Contact Name: Jim Graves

Name of Operator: MARALEX RESOURCES INC

Phone: (970) 712-0099

Address: P O BOX 338

Fax: (970) 858-8155

City: IGNACIO State: CO Zip: 81137

Email: mrinc20@maralexin.com

For "Intent" 24 hour notice required,

Name: Aaron Katz

Tel: (970) 765-6300

COGCC contact:

Email: aaron.katz@state.co.us

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

API Number 05-077-08415-00

Well Name: USA

Well Number: 1-8MR

Location: QtrQtr: SENE Section: 8 Township: 10S Range: 99W Meridian: 6

County: MESA

Federal, Indian or State Lease Number:

Field Name: BRONCO FLATS

Field Number: 7563

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.204487

Longitude: -108.458599

GPS Data: GPS Quality Value: 6.0 Type of GPS Quality Value: PDOP Date of Measurement: 11/08/2010

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Unable to get product to market.Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 6647Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details: 250 ft. of 4 1/2" production casing will be pulled from 250 ft. to 0 ft.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
DAKOTA	6117	6467			

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	17+1/2	13+3/8		48#	0	166	170	166	0	CALC
1ST	12+1/4	8+5/8		24#	0	1064	400	1064	0	CALC
S.C. 2.1	7+7/8	4+1/2		10.5#	1927	6546	250	6546	5328	CALC
S.C. 2.2	7+7/8	4+1/2		10.5#	0	1927	60	1927	1635	CALC
				Stage Tool		1927				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6067 with 4 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 16 sks cmt from 2027 ft. to 1827 ft. Plug Type: ANNULUS Plug Tagged: ☒
 Set 21 sks cmt from 300 ft. to 200 ft. Plug Type: STUB PLUG 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 1114 ft. with 30 sacks. Leave at least 100 ft. in casing _____ CICR Depth
 Perforate and squeeze at 216 ft. with 70 sacks. Leave at least 100 ft. in casing _____ CICR Depth
 Perforate and squeeze at 3067 ft. with 30 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 36 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: Diane Togstad

Title: Production Tech Date: 6/30/2021 Email: landtech@maralexinc.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: Katz, Aaron Date: 7/23/2021

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 1/22/2022

Condition of Approval

COA Type

Description

1) Perform bradenhead test prior to MIRU if test has not been performed within six months of gross interval change. Submit results on Form 17. Contact area environmental protection specialist for sampling and analysis requirements if initial bradenhead pressure is greater than 25 psi.

2) Provide 48 hour notice of plugging MIRU via electronic Form 42.

3) The approved Form 6, Notice of Intent will be at the location during all phases of plugging operations.

4) Operator shall implement measures to control venting and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard.

5) 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. Pursuant to Rule 1105.f. Abandonment Verification, within 90 days of an operator completing abandonment requirements for a flowline or crude oil transfer line, an operator must submit a Field Operations Notice, Form 42-Abandonment of Flowlines for on-location flowlines, and a Flowline Report, Form 44, for off-location flowlines or crude oil transfer lines.

6) Check bradenhead annulus pressure prior to MIRU. Perform a bradenhead test if bradenhead pressure is greater than 25 psi, submit results electronically on a Form 17, and contact COGCC area engineer.

If a well has a bradenhead pressure greater than 25 PSI measured at the time of the test then a sample of both the production and bradenhead gas (if sufficient volume to analyze) shall be collected and submitted for laboratory analysis of the gas composition and stable isotopes. The compositional analysis should include hydrogen, argon, oxygen, carbon dioxide, nitrogen, methane (C1), ethane (C2), ethene, propane (nC3), isobutane (iC4), butane (nC4), isopentane (iC5), pentane (nC5), hexanes +, specific gravity and British Thermal Units (BTU). The stable isotope analysis should include delta DC1, delta 13C1, delta 13C2, delta 13C3, delta 13iC4, delta 13nC4, delta 13iC5 (if possible), delta 13nC5 (if possible), and delta 13C of CO2 (if possible). The analytical results shall be submitted to the COGCC via Form 43 (Analytical Sample Submittal Form).

Gas sample containers should be filled in accordance with container manufacturer or laboratory recommendations; purging multiple container volumes may not be feasible due to limited gas volumes.

If water is encountered in the bradenhead during testing then samples (if sufficient quantity to analyze) should be collected and submitted for the laboratory analysis of major anions (chloride, carbonate, bicarbonate, and sulfate), cations (sodium, potassium, calcium, and magnesium) total dissolved solids (TDS), BTEX, DRO, GRO, and dissolved gasses (RSK 175). If there is a limited amount of water available then anions, cations and BTEX should be given first priority. Data from bradenhead water samples shall be submitted to the COGCC via Form 43.

Please refer to Appendix A of the COGCC Operator Instructions for Bradenhead Testing and Reporting for more information regarding testing and sampling protocol.

The operator shall provide notice to Environmental Supervisor Alex Fischer at alex.fischer@state.co.us or 303-894-2100 X 5138 and COGCC Engineer Craig Burger at craig.burger@state.co.us or 970-319-4194, a minimum of 72 hours prior to conducting field operations. Bradenhead testing and sample collection (if applicable). 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.

7)The Operator will not cap or seal the well until 5 days after placing the last plug to allow monitoring for successful plugging and will cap or seal the well within 90 days after placing the last plug.

8)This well has federal minerals. Operator shall notify COGCC engineering staff of any plugging changes required by the BLM or unexpected conditions in the field as soon as feasible.

1 COA

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
2597803	WELLBORE DIAGRAM AND PROCEDURE
402734228	FORM 6 INTENT SUBMITTED
402734405	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	<p>Added sack equivalent of 50 ft on top of CIBP at 6067 ft. of 4 sacks to plugging procedure</p> <p>Added comment on 250 ft. of production casing near surface that will be pulled. This will serve to perf the intermediate casing and cement intermediate/surface casing annulus. Requested operator add stub plug and input additional plug to eform.</p> <p>Corrected perf and squeeze cement volume to 70 sacks per procedure</p> <p>Added 36 sacks pumped at surface per procedure</p> <p>There are no water wells within 1 mile</p> <p>There are no offset wells within 1500 ft and no offset Wasatch G production within 1 mile</p> <p>Uploaded new procedure & WBD with stub plug and plug at 3067' that was not included in WBD</p> <p>Checked plug tagged as indicated on procedure</p>	07/21/2021

Total: 1 comment(s)