

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.

Document Number:
 403211743
 Date Received:
 04/28/2023

OGCC Operator Number: 10656 Contact Name: Jim Jacobsen
 Name of Operator: MORNING GUN EXPLORATION LLC Phone: (720) 326-5262
 Address: 1601 ARAPAHOE ST Fax: _____
 City: DENVER State: CO Zip: 80202 Email: jim.jacobsen@iptwell.com

For "Intent" 24 hour notice required, Name: Petrie, Erica Tel: (303) 726-3822
COGCC contact: Email: erica.petrie@state.co.us

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

API Number 05-123-10505-00
 Well Name: LEONARD Well Number: 1
 Location: QtrQtr: SWSE Section: 10 Township: 7N Range: 59W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: DRIFTER Field Number: 18860

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.584020 Longitude: -103.960785
 GPS Data: GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Date of Measurement: 04/10/2023
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Option 3 for offset mitigation
 Casing to be pulled: Yes No Estimated Depth: _____
 Fish in Hole: Yes No If yes, explain details below
 Wellbore 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

Total: 0 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+1/2	10+3/4	Unk	Unk	0	171	125	171	0	VISU
OPEN HOLE	7+7/8				171	6885				

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 65 sks cmt from 6694 ft. to 6494 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 65 sks cmt from 5962 ft. to 5762 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 50 sks cmt from 3000 ft. to 2900 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 65 sks cmt from 1741 ft. to 1541 ft. Plug Type: OPEN HOLE 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 165 sacks half in. half out surface casing from 631 ft. to 121 ft. Plug Tagged:

Set 16 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
Surface Plug Setting Date: _____ Cut and Cap Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

This Option 3 offset mitigation is being completed for the wells located on the Castor 7-59 10 Pad (Loc id #471039).

Updated "as drilled" GPS data taken 4/10/2023 has been submitted with this Form 6.

Please find the current and proposed WBD diagrams, surface owner consent and location photos attached.

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

Signed: _____ Print Name: Kelsi Welch

Title: Compliance Manager Date: 4/28/2023 Email: kelsi.welch@iptwell.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: 5/30/2023

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 11/29/2023

COA Type	Description
1 COA	<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) Operator must wait a sufficient time on all plugs to achieve the intended design. If at any time during the plugging there is evidence of previously unreported pressure or fluid migration, contact COGCC Area Engineer before continuing operations.</p> <p>7) Plugging procedure has been modified as follows, Plug #1 - 6694-6494', 65 sx cement open hole plug. Plug #2 - 5962-5762', 65 sx cement open hole plug. Plug #3 - 3000-2900', 50 sx cement open hole plug, WOC and tag. Plug #4 - 1741-1541', 65 sx cement open hole plug, WOC and tag. Plug #5 - 631-121', 165 sx cement open hole plug, WOC and tag. Plug #6 - 50-0', 16 sx of cement per COA #4.</p> <p>8) Submit an updated WBD that corresponds with the approved 6(N) (if needed) prior to filing Form 42 Notifications required in COA #1 above.</p> <p>9) Submit with the Form 6 SRA, if available - the gryo survey planned for in the procedure; any logs not on file with the COGCC.</p>

Attachment List

Att Doc Num	Name
403211743	FORM 6 INTENT SUBMITTED
403211888	WELLBORE DIAGRAM
403211889	WELLBORE DIAGRAM
403387873	LOCATION PHOTO
403387876	SURFACE OWNER CONSENT

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Engineer	Groundwater=Laramie-Fox Hills, Upper Pierre Deepest water well=360'(1mi, 13 records), 1525'(2mi, 29 records) Log=123-10505 1/18/82 4961 GR, L-FH base 460 UP 810-1540	05/26/2023
OGLA	OGLA review complete and task passed.	05/24/2023
Permit	Submitter included as-drilled well location. Submitter attached exhibits. Pass.	05/02/2023
Permit	No other forms in process. Missing Surface owner consent and pictures from 4 directions. See option three Offset Well Evaluation and Hydraulic Fracturing Guidance pg 7/8. RTD.	11/01/2022

Total: 4 comment(s)