

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:
 403213276
 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 05-123-05446-00
 Well Name: O E DOTY Well Number: 1
 Location: QtrQtr: NWNW Section: 2 Township: 7N Range: 59W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WILDCAT Field Number: 99999

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.610149 Longitude: -103.952719
 GPS Data: GPS Quality Value: 1.3 Type of GPS Quality Value: PDOP Date of Measurement: 04/25/2023
 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	209	200	209	0	VISU
OPEN HOLE	8+3/4				209	6738				

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 80 sks cmt from 5880 ft. to 5680 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 50 sks cmt from 3000 ft. to 2900 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 80 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:
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 220 sacks half in. half out surface casing from 631 ft. to 159 ft. Plug Tagged:
Set 23 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 on the Castor 7-59 10 Pad (Loc id #471039) per the COAs attached to the APDs.

Updated "as drilled" GPS data taken 4/25/2023 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
	<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(s) set in 1954 that will remain: 6651-6540', 35 sx cement open hole plug. Plug #1 - 5880-5680', 80 sx cement open hole plug. Plug #2 - 3000-2900', 50 sx cement open hole plug, WOC and tag. Plug #3 - 1741-1541', 80 sx cement open hole plug, WOC and tag. Plug #4 - 631-159', 220 sx cement open hole plug, WOC and tag. Plug #5 - 50-0', 23 sx cement casing plug.</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>
	Notification will be given to any adjacent building unit occupants within a 1000 feet of the wellhead of planned P&A start date.
2 COAs	

Attachment List

<u>Att Doc Num</u>	<u>Name</u>
403213276	FORM 6 INTENT SUBMITTED
403213329	WELLBORE DIAGRAM
403213333	WELLBORE DIAGRAM
403387540	SURFACE OWNER CONSENT
403387542	LOCATION PHOTO

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Groundwater=Laramie-Fox Hills, Upper Pierre Deepest water well=360'(1mi, 13 records), 1525'(2mi, 29 records) Log=123-05446 10/30/1954 4887 GR, L-FH 400 UP 780-1530 From open hole log header: 8 3/4" to 6610', 7 7/8 to 6709', 6 1/8" to TD	05/25/2023
OGLA	OGLA Review complete.	05/24/2023
Permit	Operator submitted as-drilled well location. Exhibits attached. Pass.	05/01/2023
Permit	Missing surface owner consent and photos from 4 directions. See Offset well evaluation and hydraulic fracturing treatments guidance on pgs 7-9 option 3. Reviewed WBDs. RTD.	11/01/2022

Total: 4 comment(s)