

FORM
6Rev
11/20State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

403339400

Date Received:

06/08/2023

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: 66565

Contact Name: Deborah Abrams

Name of Operator: P & M PETROLEUM MANAGEMENT LLC

Phone: (303) 8942100

Address: 1600 STOUT STREET #1800

Fax:

City: DENVER State: CO Zip: 80202

Email: deborah.abrams@state.co.us

For "Intent" 24 hour notice required,

Name: Welsh, Brian

Tel: (719) 325-6919

COGCC contact:

Email: brian.welsh@state.co.us

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

API Number 05-009-06247-00

Well Name: HUNT

Well Number: 1 (OWP)

Location: QtrQtr: NWSE Section: 30 Township: 31S Range: 41W Meridian: 6

County: BACA

Federal, Indian or State Lease Number:

Field Name: GREENWOOD

Field Number: 33250

Only Complete the Following Background Information for Intent to Abandon

Latitude: 37.315840

Longitude: -102.085346

GPS Data: GPS Quality Value: 2.7 Type of GPS Quality Value: Date of Measurement: 04/30/2009

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other OWPCasing 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
TOPEKA	3184	3205			

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	UNK	24	0	1493	900	1493	0	VISU
1ST	7+7/8	4+1/2	UNK	10.5	0	3330	150	3330	2700	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 3109 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 _____ 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: ☐
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 1543 ft. with 50 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 900 ft. with 35 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 570 ft. with 35 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 40 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:

First string TOC calculated by OWP.

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

Signed: _____ Print Name: Deborah Abrams

Title: OWP Date: 6/8/2023 Email: deborah.abrams@state.co.us

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: 6/15/2023

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 12/14/2023

COA Type	Description
	<p>Bradenhead Testing</p> <p>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.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>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.</p> <p>If there is a need for sampling, contact COGCC engineering for verification of plugging procedure.</p>
	<p>Consistent with Rule 911.a, a Form 27 must be approved prior to cut and cap, conducting flowline abandonment, or removing production equipment. Allow 30 days for Director review of the Form 27; include the Form 27 document number on the Form 44 for offsite flowline abandonment (if applicable) and on the Form 6 Subsequent.</p>
	<p>Properly abandon flowlines per Rule 1105. If flowlines will be abandoned in place, include with the Form 27: pressure test results conducted in the prior 12 months as well as identification of any document numbers for a COGCC Spill/Release Report, Form 19, associated with the abandoned line.</p>
	<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) No current Form 17 on file with COGCC. Contact COGCC area engineer with results of pre-plugging bradenhead test for confirmation of plugging procedure prior to commencing plugging operations.</p> <p>7) 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>8) Plugging procedure has been modified as follows, Plug #1 - 3109', CIBP with 2 sx of cement. Plug #2 - 1543', perf and squeeze 50 sx (INCREASE VOL) of cement, leave 100' (10 sx) in the casing. If perfs will take fluid but do not circulate or circulation is lost, pump a minimum of 50 sx and displace to 1393', 100' above the surface shoe. WOC and tag at 1443' or shallower. Notify COGCC Area Engineer of insufficient cement prior to pumping additional plugs. Plug #3 - 900' - perf and squeeze 35 sx of cement. ADDED FOR BLAINE ISOLATION. Plug #4 - 570' - perf and squeeze 35 sx of cement. ADDED FOR WATER WELL ISOLATION. Plug #5 - 100' - perf and circulate 40 sx of cement to the surface in both the casing and the annulus per COA #4.</p> <p>9) 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>

4 COAs

Attachment List

Att Doc Num

Name

403339400	FORM 6 INTENT SUBMITTED
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403347665	WELLBORE DIAGRAM
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Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

Engineer	Groundwater=Southern High Plains, Dakota, Cheyenne, Dockum Deepest water well=520'(3mi, 130 records) Log=009-06275 11/5/80 3701 GR SHP, Dkta-Cynn behind surface casing, Blaine 940-1125'	06/15/2023
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OGLA	OGLA Review complete.	06/13/2023
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OGLA	Due to proximity to a mapped wetland and surface water, operator will use secondary containment for all tanks and other liquid containers. Operator will implement stormwater BMPs and erosion control measures as needed to prevent sediment and stormwater runoff from entering the wetland and surface water.	06/13/2023
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Permit	Confirmed as-drilled well location. No other forms in process. Confirmed productive interval docnum: 557247. Corrected formation code to coincide with scout card. Production OK. Reviewed WBDs. Pass.	06/08/2023
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Total: 4 comment(s)