

**WELL ABANDONMENT REPORT**

Document Number:  
403860711  
Date Received:  
07/23/2024

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.

ECMC Operator Number: 2800 Contact Name: Lorena Ruiz  
 Name of Operator: ANADARKO E&P ONSHORE LLC Phone: (970) 336-3535  
 Address: P O BOX 173779 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80217- Email: lorena\_ruiz@oxy.com

**For "Intent" 24 hour notice required,** Name: Kester, Michael Tel: (970) 852-9726  
 Email: michael.kester@state.co.us  
**ECMC contact:**

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

API Number 05-123-08861-00  
 Well Name: CPC Well Number: 4-42-4  
 Location: QtrQtr: SENE Section: 4 Township: 1N Range: 68W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: SPINDLE Field Number: 77900

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.082147 Longitude: -105.001296  
 GPS Data: GPS Quality Value: \_\_\_\_\_ Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: \_\_\_\_\_  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other RE-ENTRY  
 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
SUSSEX	4624	4636	06/24/1996	B PLUG CEMENT TOP	4574
SHANNON	5098	5116	06/24/1996	B PLUG CEMENT TOP	4575

Total: 2 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+1/14	8+5/8	J-55	23	0	614	500	614	0	VISU
1ST	7+7/8	4+1/2	I-80	11.6	0	5261	350	5261	4200	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 300 with 90 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 285 sks cmt from 4100 ft. to 3600 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 285 sks cmt from 2800 ft. to 2300 ft. Plug Type: OPEN HOLE Plug Tagged:   
Set 285 sks cmt from 2000 ft. to 1500 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

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Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks. Leave at least 100 ft. in casing \_\_\_\_\_ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 320 sacks half in. half out surface casing from 1300 ft. to 564 ft. Plug Tagged:

Set 90 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:

**BMPs**

**Signage for P&As:**

Prior to commencing operations, Anadarko E&P Onshore LLC will post signs in conspicuous locations. The signs will indicate plugging and abandonment operations are being conducted, the well name, well, and the Operator's contact information. Signs will be placed so as not to create a potential traffic hazard.

**Notifications:**

Courtesy notifications will be sent to all parcel owners with building units within 2,000 feet of the location letting them know about our subsequent well operations and providing contact information for Kerr McGee's response line and online resources.

**Wellbore Pressure:**

In some cases, wellbore pressure drawdown operations may occur approximately 1-2 days prior to Move In Rig Up (MIRU) of the workover rig. This is conducted to allow for reduced time that the workover rig is needed on location. These operations will be conducted in accordance with Form 4 and/or Form 6 requirements.

**Water:**

Water will be placed on dirt access roads to mitigate dust as needed.

**Lighting:**

Site lighting will be shielded and directed downward and inward toward operations to avoid glare on public roads and nearby Building Units.

**Community Outreach and Notification:**

**Noise:**

Noise associated with pipe handling, traffic, and other operational activity will be minimized between 7:00 pm and 7:00 am. Based off the rig sound signature, rig orientation will be considered to reduce noise levels to nearby building units.

**Wildlife:**

This location was reviewed using a desktop method to review publicly available wildlife data (including CPW & ECMC data) as well as internal wildlife datasets and aerial imagery. All field personnel are trained to identify wildlife risks and raise concerns noticed during operations with Anadarko's Health, Safety, and Environment (HSE) department.

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

Signed: \_\_\_\_\_ Print Name: Lorena Ruiz  
Title: Regulatory Tech Date: 7/23/2024 Email: lorena\_ruiz@oxy.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with ECMC Rules and applicable orders and is hereby approved.

ECMC Approved: JENKINS, STEVE Date: 7/26/2024

**CONDITIONS OF APPROVAL, IF ANY LIST**

Expiration Date: 1/25/2025

<b><u>COA Type</u></b>	<b><u>Description</u></b>
	1) Provide 2 business day notice of plugging MIRU via electronic Form 42, and provide 48 hours Notice of Plugging Operations, prior to mobilizing for plugging operations via electronic Form 42. These are 2 separate notifications, required by Rules 405.e and 405.l. 2) Prior to placing the 1300' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact ECMC Engineer for an update to plugging orders. 3) After isolation has been verified, pump surface casing shoe plug. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 564' or shallower and provide 10 sx plug at the surface. 4) Leave at least 100' of cement in the wellbore for each plug without mechanical isolation. 5) After surface plug and prior to cap, verify isolation by either a 15 minute bubble test or 15 minute optical gas imaging recording. If there is indication of flow contact ECMC Engineering. Provide a statement on the 6SRA which method was used and what was observed. Retain records of final isolation test for 5 years. 6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA listed above has been addressed.

	<p>Submit "as drilled" GPS data on Subsequent Report of Abandonment. GPS data must meet the requirements of Rule 216.</p>
	<p>Operator will implement measures to capture, combust, or control emissions to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public health, welfare and the environment. Due to the proximity of residential building units (RBUs) all blowdown gasses will be controlled.</p> <p>Due to proximity of plugging and abandonment (P&amp;A) operations to BUs, operator will comply with Table 423 Maximum Permissible Noise Levels for residential land use. Prior to initiating work, operator will install temporary sound walls, straw bales, or other BMPs to dampen noise if necessary for compliance.</p> <p>Due to close proximity to Residential Building Units (RBUs), prior to commencing operations, at a minimum, the operator will provide an informational sheet to the owners/occupants of the RBUs nearby and adjacent to the parcel with the well. The sheet will include the operator's contact information and the nature, timing, and expected duration of the P&amp;A operations.</p>
	<p>Due to proximity to surface water, Operator will review the stormwater program and implement stormwater BMPs and erosion control measures as needed to prevent fine-grained sediment and impacted stormwater runoff from entering surface water.</p>
	<p>Operator committed to the following Best Management Practices under the Technical Detail/ Comments section on the Submit Tab:</p> <p><b>BMPs</b></p> <p><b>Signage for P&amp;As:</b>  Prior to commencing operations, Anadarko E&amp;P Onshore LLC will post signs in conspicuous locations. The signs will indicate plugging and abandonment operations are being conducted, the well name, well, and the Operator's contact information. Signs will be placed so as not to create a potential traffic hazard.</p> <p><b>Notifications:</b>  Courtesy notifications will be sent to all parcel owners with building units within 2,000 feet of the location letting them know about our subsequent well operations and providing contact information for Kerr McGee's response line and online resources.</p> <p><b>Wellbore Pressure:</b>  In some cases, wellbore pressure drawdown operations may occur approximately 1-2 days prior to Move In Rig Up (MIRU) of the workover rig. This is conducted to allow for reduced time that the workover rig is needed on location. These operations will be conducted in accordance with Form 4 and/or Form 6 requirements.</p> <p><b>Water:</b>  Water will be placed on dirt access roads to mitigate dust as needed.</p> <p><b>Lighting:</b>  Site lighting will be shielded and directed downward and inward toward operations to avoid glare on public roads and nearby Building Units.</p> <p><b>Community Outreach and Notification:</b></p> <p><b>Noise:</b>  Noise associated with pipe handling, traffic, and other operational activity will be minimized between 7:00 pm and 7:00 am. Based off the rig sound signature, rig orientation will be considered to reduce noise levels to nearby building units.</p> <p><b>Wildlife:</b>  This location was reviewed using a desktop method to review publicly available wildlife data (including CPW &amp; ECOM data) as well as internal wildlife datasets and aerial imagery. All field personnel are trained to identify wildlife risks and raise concerns noticed during operations with Anadarko's Health, Safety, and Environment (HSE) department.</p>

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	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
7 COAs	

**ATTACHMENT LIST**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
403860711	FORM 6 INTENT SUBMITTED
403860726	SURFACE OWNER CONSENT
403860728	LOCATION PHOTO
403860734	WELLBORE DIAGRAM
403860735	WELLBORE DIAGRAM
403860897	PROPOSED PLUGGING PROCEDURE

Total Attach: 6 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	1) Deepest Water Well within 1 mile = 590'. 2) Fox Hills Bottom- 413', per SB5.	07/26/2024
Permit	Confirmed productive intervals docnum: 32588. Reviewed attachments. Pass.	07/25/2024
OGLA	Location Assessment Specialist (LAS) review complete. Well is not in a HPH. Task passed.	07/24/2024
Engineer	1) Deepest Water Well within 1 mile = 590'. 2) Fox Hills Bottom- 413', per SB5.	07/23/2024
Engineer	This is a re-plug of an already abandoned well. There is no Bradenhead to test, and no flowlines to abandon or remove.	07/23/2024

Total: 5 comment(s)