

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



DE ET OE ES

Document Number:

402626673

Date Received:

03/22/2021

## 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: 10112

Contact Name: JOHN GAGNER

Name of Operator: FOUNDATION ENERGY MANAGEMENT LLC

Phone: (918) 526-5546

Address: 5057 KELLER SPRINGS RD STE 650

Fax:

City: ADDISON State: TX Zip: 75001

Email: JGAGNER@FOUNDATIONENERGY.COM

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 05-125-08367-00

Well Name: HELLING

Well Number: 34-35444

Location: QtrQtr: SWSE Section: 35 Township: 4S Range: 44W Meridian: 6

County: YUMA

Federal, Indian or State Lease Number:

Field Name: BONNY

Field Number: 7325

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

Latitude: 39.660930

Longitude: -102.259434

GPS Data: GPS Quality Value: 3.2 Type of GPS Quality Value: PDOP Date of Measurement: 09/17/2009

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing 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
NIOBRARA	1550	1585			

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	9+7/8	7	UNK	16	0	326	150	326	0	VISU
1ST	6+1/4	4+1/2	UNK	10.5	0	1866	75	1866	1100	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 1500 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 376 ft. with 55 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set 20 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: ALYSSA BEARD

Title: HSE MANAGER Date: 3/22/2021 Email: REGULATORY@FOUNDATIONENERGY.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: 4/16/2021

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 10/15/2021

### Condition of Approval

#### COA Type

#### Description

	Venting Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
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	<p><b>Bradenhead Testing</b>  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> <ol style="list-style-type: none"> <li>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</li> <li>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</li> </ol> <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><b>Plugging</b></p> <ol style="list-style-type: none"> <li>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</li> <li>2) Contact COGCC Area Inspector prior to commencing plugging operations.</li> <li>3) 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.</li> <li>4) 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.</li> <li>5) 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.</li> <li>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</li> <li>7) 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.</li> <li>8) 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.</li> <li>9) After placing the shallowest hydrocarbon isolating plug (1500'), operator must wait a sufficient time on all subsequent plugs to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC Area Engineer before continuing operations.</li> <li>10) Perf and pump 55 sx balanced shoe plug at 376'. Tag at 276' or shallower if cement is not circulated to surface. Contact COGCC Area Engineer before adding cement to plug.</li> </ol>
	<ol style="list-style-type: none"> <li>1. Operator will implement measures to 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.</li> <li>2. Operator will review the stormwater program, implement stormwater best management practices and erosion control measures necessary to ensure that sediment and impacted stormwater runoff do not enter the adjacent drainage.</li> </ol>
4 COAs	

### Attachment List

**Att Doc Num****Name**

402626673	FORM 6 INTENT SUBMITTED
402626700	WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

**User Group****Comment****Comment Date**

Engineer	Aquifer: High Plains Aquifer behind surface casing Deepest Water Well: 310' (39 wells-2 mi)+3888-3968+50=280' Logs: 125-09273 Pierre shale at the shoe	04/13/2021
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Total: 1 comment(s)