

FORM
6
Rev
05/18

State of Colorado
Oil and Gas Conservation Commission

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



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|-------------------------------|----|----|----|
| DE | ET | OE | ES |
| Document Number: 401665778 | | | |
| Date Received: | | | |

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: <u>55030</u> | Contact Name: <u>Jack McCartney</u> |
| Name of Operator: <u>MCCARTNEY ENGINEERING LLC</u> | Phone: <u>(303) 830-7208</u> |
| Address: <u>4251 KIPLING ST STE 575</u> | Fax: <u>(303) 830-7004</u> |
| City: <u>WHEAT RIDGE</u> State: <u>CO</u> Zip: <u>80033</u> | Email: <u>jack@mccartneyengineering.com</u> |
| For "Intent" 24 hour notice required, Name: <u>Gomez, Jason</u> Tel: <u>(970) 573-1277</u> | |
| COGCC contact: Email: <u>jason.gomez@state.co.us</u> | |

| | |
|---|--------------------------|
| API Number: <u>05-001-09261-00</u> | Well Number: <u>6-10</u> |
| Well Name: <u>HSR-FULENWIDER</u> | |
| Location: QtrQtr: <u>SENW</u> Section: <u>10</u> Township: <u>2S</u> Range: <u>66W</u> Meridian: <u>6</u> | |
| County: <u>ADAMS</u> Federal, Indian or State Lease Number: _____ | |
| Field Name: <u>BANNER</u> Field Number: <u>5190</u> | |

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.894594 Longitude: -104.764486

GPS Data:
Date of Measurement: 12/18/2008 PDOP Reading: 2.6 GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other Lost gas market when Anadarko shut down Third Creek gathering

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 |
|------------------|-----------|-----------|----------------|---------------------|------------|
| J SAND | 8304 | 8345 | | | |
| Total: 1 zone(s) | | | | | |

Casing History

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bot | Cement Top | Status |
|-------------|--------------|----------------|-----------------|---------------|--------------|------------|------------|--------|
| SURF | 12+1/4 | 8+5/8 | 24 | 1,615 | 1,130 | 1,615 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 8,447 | 275 | 8,447 | 7,046 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8200 with 75 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 2510 ft. with 40 sacks. Leave at least 100 ft. in casing 2410 CICR Depth
 Perforate and squeeze at 880 ft. with 40 sacks. Leave at least 100 ft. in casing _____ CICR Depth
 Perforate and squeeze at 580 ft. with 180 sacks. Leave at least 100 ft. in casing _____ CICR Depth
(Cast Iron Cement Retainer Depth)

Set 50 sacks half in. half out surface casing from 1665 ft. to 1432 ft. Plug Tagged:
 Set _____ 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. _____ inch casing Plugging Date: _____
 of _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Set CIBP @ 8200', load hole, pressure test at 300 psig for 15 minutes.
 Place 75 sks on top of CIBP to fill 4 1/2" csg 200' above Niobrara.
 Perforate at 2510', set CICR 100' above perms, pump 40 sks below retainer, 5 sks on top.
 Perforate at 1665' (50' below surface csg), Set CICR at pump 60 sks balanced plug below retainer, 8 sks on top.
 Perforate at 880', cement with 40 sks leaving 100' plug in 4 1/2" casing. If circulation remains constant, may pump cement to surface. If not, perforate at 580', cement to surface leaving 4 1/2" csg full of cement with approximately 180 sks..
 Cut off casing pursuant to landowner's requirement (not less than 4' below surface), weld on plate.
 Place marker over casing. Flow lines will be removed.

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

Signed: _____ Print Name: Jack
 Title: McCartney Date: _____ Email: jack@mccartneyengineering.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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: _____

| COA Type | Description |
|----------|-------------|
| | |

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|-----------------------------|
| 402117560 | PROPOSED PLUGGING PROCEDURE |
| 402123227 | WELLBORE DIAGRAM |
| 402123228 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|------------------------|---|---------------------|
| Permit | Verified as drilled lat/long | 07/25/2019 |
| Permit | Returned to draft - 7/25/2019 -J Sand perforation interval is incorrect on zones tab and wellbore diagram (360703, 360704) | 07/25/2019 |
| Engineer | operator requested return to DRAFT for modifications | 07/18/2019 |
| Agency | Denver 4903 5035 118.2 295 163 32.15 NNT Upper Arapahoe 4649 4881 102.6 549 317 27.90 NNT Lower Arapahoe 4371 4574 92.3 827 624 25.10 NT Laramie-Fox Hills 3726 3953 175.2 1472 1245 42.04 NT Deepest WW 581' | 08/11/2018 |
| Well File Verification | Pass | 06/11/2018 |

Total: 5 comment(s)