

Document Number:
402563569

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: 10110 Contact Name: Kapri McMillan
 Name of Operator: GREAT WESTERN OPERATING COMPANY LLC Phone: (970) 364-2826
 Address: 1001 17TH STREET #2000 Fax: _____
 City: DENVER State: CO Zip: 80202 Email: kmcmillan@gwp.com

For "Intent" 24 hour notice required, Name: Evins, Bret Tel: (970) 420-6699
COGCC contact: Email: bret.evins@state.co.us

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

API Number 05-123-24929-00
 Well Name: HEINZE Well Number: 31-44
 Location: QtrQtr: SESE Section: 31 Township: 7N Range: 63W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.524860 Longitude: -104.472330
 GPS Data: GPS Quality Value: 2.6 Type of GPS Quality Value: _____ Date of Measurement: 09/13/2008

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 2500
 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
CODELL	6894	6904			
NIOBRARA	6604	6736			
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+1/4	8+5/8	NA	24	0	742	560	742	0	CALC
1ST	7+7/8	4+1/2	NA	11.6	0	7029	520	7029	3017	CBL

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6650 with 25 sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.
 CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 25 sks cmt from 4500 ft. to 4068 ft. Plug Type: CASING Plug Tagged:
 Set 100 sks cmt from 2550 ft. to 2113 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 200 sks cmt from 2113 ft. to 1433 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 200 sks cmt from 1433 ft. to 753 ft. Plug Type: OPEN HOLE 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 240 sacks half in. half out surface casing from 753 ft. to 0 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. 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:

Procedure:

- 1 Contact COGCC
- 2 MIRU
- 3 Blow down thru flowback and kill well
- 4 NDWH/NUBOP
- 5 Set CIBP @ 6550', roll hole clean and pressure test to 1000 psi
- 6 Pump 25 sx Thermal 35 on top of plug at 6550', ETOC 6118'
- 7 PU to 4500'
- 8 Pump 25 sx Thermal 35 at 4500', est TOC @ 4068', POOH
- 9 Cut & pull casing @ 2500'
- 10 Pump stub plug from 2550' w/ 100 sx Migra Seal (ETOC @ 2113')
- 11 WOC 8 hours, use digital gauge to verify no pressure (0 psi) is remaining.
- 12 Tag plug and check for migration
- 13 If migration, call engineer to discuss next steps
- 14 If no migration, pump Class G w/ 3% CC from 2113' to ETOC 1433'
- 15 WOC 4 hours, tag plug
- 16 Pump 200 sx from 1433' to 753' w/ Class G + 3%CC
- 17 WOC 4 hours, tag plug
- 18 Pump 240 sx from 753' to surface w/ Class G + 3%CC
- 19 RIH tag, top off w/ cement as needed
- 20 RDMO
- 21 Cut & cap casing 4' - 6' below GL w/ plate (Well Name, API, Legal Location)

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

Signed: _____ Print Name: Renee Kendrick
 Title: SR Regulatory Analyst Date: _____ Email: rkendrick@gwp.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: _____

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402563593	WELLBORE DIAGRAM
402563594	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)