

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Date Received:

06/07/2011

Document Number:

400172758

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>10203</u> | Contact Name: <u>David Kunovic</u> |
| Name of Operator: <u>BLACK RAVEN ENERGY INC</u> | Phone: <u>(720) 214-4657</u> |
| Address: <u>1331 17TH STREET - #350</u> | Fax: <u>(303) 308-1590</u> |
| City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | Email: <u>dkunovic@blackravenenergy.com</u> |
| For "Intent" 24 hour notice required, COGCC contact: | |
| Name: <u>HORTON, COLBY</u> | Tel: <u>(970) 467-2517</u> |
| Email: <u>colby.horton@state.co.us</u> | |

| | |
|--|--|
| API Number <u>05-095-06087-00</u> | Well Number: <u>3-3</u> |
| Well Name: <u>BRINKEMA</u> | |
| Location: QtrQtr: <u>NENW</u> Section: <u>3</u> Township: <u>8N</u> Range: <u>43W</u> Meridian: <u>6</u> | |
| County: <u>PHILLIPS</u> | Federal, Indian or State Lease Number: _____ |
| Field Name: <u>AMHERST</u> | Field Number: <u>2480</u> |

☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

| | |
|---|---|
| Latitude: <u>40.701610</u> | Longitude: <u>-102.138450</u> |
| GPS Data: | |
| Data of Measurement: <u>10/29/2007</u> | PDOP Reading: <u>2.2</u> GPS Instrument Operator's Name: <u>Kathy McCormick</u> |
| Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production for Sub-economic <input type="checkbox"/> Mechanical Problems | |
| <input type="checkbox"/> Other <u>Previous operator frac overflushed</u> | |
| Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Top of Casing Cement: _____ |
| Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If yes, explain details below |
| Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 | 2410 | 2420 | | B PLUG CEMENT TOP | 2390 |

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 | 9+7/8 | 7 | 20 | 458 | 208 | 458 | 0 | VISU |
| 1ST | 6+1/4 | 4+1/2 | 11.6 | 2,868 | 85 | 2,868 | 1,720 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 2390 with 2 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 _____ sks cmt from _____ ft. to _____ ft. in Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. in Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. in Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. in Plug Type: _____ Plug Tagged: ☐
Set _____ sks cmt from _____ ft. to _____ ft. in 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 10 sacks half in. half out surface casing from 400 ft. to 500 ft. Plug Tagged: ☐

Set 10 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 Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

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: David Kunovic

Title: VP Date: 6/7/2011 Email: dave@kachinaenergy.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: SUTPHIN, DIRK Date: 7/11/2011

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/10/2012

- 1) Provide 24 hour notice of MIRU to Colby Horton at 970-467-2517 or e-mail at colby.horton@state.co.us.
2) For plug at 500' – 400': Increase to 50 sacks. Perforate casing at 500'. Tag plug 50' above shoe or use retainer. For surface plug: Increase to 15 sacks. Plug must be from 50' to surface in casing and annulus.

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 2530776 | WELLBORE DIAGRAM |
| 400172758 | FORM 6 INTENT SUBMITTED |

Total Attach: 2 Files

General Comments

| User Group | Comment | Comment Date |
|------------|---------|--------------|
| | | |

Total: 0 comment(s)