

Oil and Gas Conservation Commission

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



| | | |
|--------------------|----|----|
| DE | ET | ES |
| RECEIVED | | |
| DEC 20 2010 | | |
| COGCC/Rifle Office | | |

WELL ABANDONMENT REPORT

Submit original plus one copy. This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for twelve months after the approval date after that period a new intent will be required. After the plugging is complete, this form and one copy shall again be submitted as a subsequent report of the work as actually completed.

| | | | | | | | | | | | | | | |
|---|--|---|------------------|------|------|--------------------|--|--|----------------------|--|--|-----------|--|--|
| COGCC Operator Number: 10091 Name of Operator: Berry Petroleum Company Address: 1999 Broadway, Suite 3700 City: Denver State: CO Zip: 80202 | Contact Name & Telephone Kallasandra Moran No: 303-999-4225 Fax: 303-999-4325 | 24 hour notice required, contact: Tel: _____ | | | | | | | | | | | | |
| API Number 05-045-12904 Well Name: Chevron Well Number: 18-23D Location (Qtr, Sec, Twp, Rng, Meridian): SWNW, Sev. 18, T6S, R96W, 6 PM County: Garfield Federal, Indian or State Lease Number: _____ Field Name: GRAND VALLEY Field Number: 31290 | | Complete the Attachment Checklist <table border="1"><tr><td>Wellbore Diagram</td><td>Oper</td><td>OGCC</td></tr><tr><td>Cement Job Summary</td><td></td><td></td></tr><tr><td>Wireline Job Summary</td><td></td><td></td></tr><tr><td>Procedure</td><td></td><td></td></tr></table> | Wellbore Diagram | Oper | OGCC | Cement Job Summary | | | Wireline Job Summary | | | Procedure | | |
| Wellbore Diagram | Oper | OGCC | | | | | | | | | | | | |
| Cement Job Summary | | | | | | | | | | | | | | |
| Wireline Job Summary | | | | | | | | | | | | | | |
| Procedure | | | | | | | | | | | | | | |

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.524918 Longitude: 108.156073
GPS Data:
Date of Measurement: 11/2/2007 PDOP Reading: 2.3 Instrument Operator's Name: Robert Wood
Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☒ Mechanical Problems ☐ Other _____
Casing to be Pulled: ☐ Yes ☒ No Top of Casing Cement: 4100
Fish in Hole: ☒ Yes ☐ No If yes, explain details below
Wellbore has Uncemented Casing Leaks: ☐ Yes ☒ No If yes, explain details below
Details: Stuck pipe (fish) in hole @ 5056' 45' ± of 7" csg

Current and Previously Abandoned Zones

| Formation | Perforations - Top | Perforations - Bottom | Date Abandoned | Method of Isolation (None, Squeezed, BP, Cement, etc.) | Plug Depth |
|-----------------|--------------------|-----------------------|----------------|--|------------|
| Never Completed | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Casing History

| String | Size of Hole | Size of Casing | Weight per ft | Setting Depth | Sacks Cement | Cement Bottom | Cement Top |
|--------|--------------|----------------|---------------|---------------|--------------|---------------|------------|
| Cond. | 24 | 20 | 55 94 | 110 82 | Unknown | 110 | 0 |
| Surf. | 14 3/4 | 9 5/8 | 36 | 2910 | 750 | 2910 | 0 |
| Prod. | 8 3/4 | 7 | 23 | 5100 | 146 505 | 5100 | 4100 |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIBP #2: Depth _____ with _____ sacks cmt on top. NOTE: Two (2) sacks cement required on all CIBPs.

| | | | | | | |
|-----------|--------------------|--------------|--------|--|---|----------------------------------|
| Set 50 | sks cmt from 0' | ft. to 130' | ft. in | <input checked="" type="checkbox"/> Casing | <input type="checkbox"/> Open Hole | <input type="checkbox"/> Annulus |
| Set 150 | sks cmt from 2710' | ft. to 3110' | ft. in | <input checked="" type="checkbox"/> Casing | <input checked="" type="checkbox"/> Open Hole | <input type="checkbox"/> Annulus |
| Set _____ | sks cmt from _____ | ft. to _____ | ft. in | <input type="checkbox"/> Casing | <input type="checkbox"/> Open Hole | <input type="checkbox"/> Annulus |
| Set _____ | sks cmt from _____ | ft. to _____ | ft. in | <input type="checkbox"/> Casing | <input type="checkbox"/> Open Hole | <input type="checkbox"/> Annulus |
| Set _____ | sks cmt from _____ | ft. to _____ | ft. in | <input type="checkbox"/> Casing | <input type="checkbox"/> Open Hole | <input type="checkbox"/> Annulus |

Perforate and squeeze at _____ ft. with _____ sacks Leave at least 100 ft. in casing
Perforate and squeeze at _____ ft. with _____ sacks Leave at least 100 ft. in casing
Perforate and squeeze at _____ ft. with _____ sacks Leave at least 100 ft. in casing
Set _____ sacks half in, half out surface casing from _____ ft. to _____ ft.
Set _____ sacks at surface
Cut four feet below ground level, weld on plate
Set _____ sacks in rat hole Dry-Hole Marker: ☐ Yes ☐ No
Set _____ sacks in mouse hole

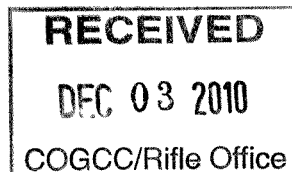
Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ in. casing Plugging date: _____
*Wireline Contractor: _____ *Cementing Contractor: _____
Type of Cement and Additives Used: _____
*Attach job summaries.

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

Print Name: Kallasandra M. Moran Email: kmoran@bry-consultant.com
Signed: _____ Title: Permit Agent Date: 12/20/2010
OGCC Approved: _____ Title: EIT III Date: 12/22/10
CONDITIONS OF APPROVAL, IF ANY:

Berry Petroleum Company
Chevron 18-23D
API# 05-045-12904-0000
SWNW Sec 18 Twn 6S Rng 96W
Garfield County, Colorado



Plug and Abandon
Date: 9/21/10

Well Pad: E18 696
Elevation: 8210' GL; 8238' KB; KB-GL 28'
DTD: 9466'
PBTD: 4800', cement retainer set
Surf Csg: 9-5/8", 36.0#, J-55 @ 2910'
Prod Csg: None
Mkr Jnts: N/A
Tbg: None
TOC: unknown
Max Press: 3000#
Perforations: None

Note: Well has 7" 23# J-55 liner f/ 1678 - 5100'
Send copies of all cementing tickets to Denver
Use Class G cmt @ 15.8 ppg & 1.15 yield for all plugs

Procedure: Determine TOC for Decision on Whether to Recover Casing

- 1) MIRU WL, run CBL f/ 5100' - 1678' in 7" liner, RDMO
Send .pdf and .las to Denver and 3 hard copies of CBL
- 2) MIRU WOR, load hole and N/U BOP
- 3) RIH w/ dump bailer and spot 2 sx cmt on cement retainer @ 4800', POOH

Procedure: Pull Casing, Plug and Abandon Well

- 4) MIRU WL, RIH w/ chemical cutter and sever 7" csg @ TBD, +/-100' above TOC, POOH and RDMO
- 5) P/U and TIH w/ 8-1/2" rotary shoe and wash pipe on 2-7/8" work string, tag 7" liner hgr @ 1678' and mill off slips, TOOH and L/D 7" csg
- 6) TIH w/ 2-7/8" tbg and pump 150 sx cmt, 1/2 in & 1/2 out of base of surf csg @ 2910' TOOH and reverse clean, WOC, TIH tag cmt and verify top
- 7) TOOH and spot 50 sx cmt f/ 130' - surface
- 8) N/D BOP, cut csg off 4' below GL and weld on cap, RDMO WOR

RECEIVED

DEC 03 2010

COGCC/Rifle Office

Procedure: Plug and Abandon Well w/o Recovering Casing

- 4) MIRU WL, RIH and perforate sqz holes @ 3000' w/ 4 spf, RDMO WL
- 5) TIH w/ 2-3/8" work string and sqz cmt perms w/ 75 sx cmt, TOO H and reverse clean, WOC, TIH tag cmt and verify top
- 6) TOO H and spot 50 sx cmt f/ 130' - surface
- 7) N/D BOP, cut csg off 4' below GL and weld on cap, RDMO WOR

150 SX

according to Daily DRILNG report

surf:

bbl

531 lead

404 tail

+200 SX TOP

PR

120 bbl