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|--|--|---|---|---------------------|--------------|------------|------------|--------|
| FORM 6 Rev 12/05 | State of Colorado Oil and Gas Conservation Commission 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109 |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> Date Received: 06/14/2011 Document Number: 2567267 | DE | ET | OE | ES | |
| DE | ET | OE | ES | | | | | |
| WELL ABANDONMENT REPORT | | | | | | | | |
| <p>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.</p> <p>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.</p> | | | | | | | | |
| OGCC Operator Number: <u>8667</u> | | Contact Name: <u>TOM MELLAND</u> | | | | | | |
| Name of Operator: <u>PETROGLYPH ENERGY INC</u> | | Phone: <u>(719) 742-5570</u> | | | | | | |
| Address: <u>555 S COLE RD</u> | | Fax: <u>(719) 742-5571</u> | | | | | | |
| City: <u>BOISE</u> | State: <u>ID</u> | Zip: <u>83707</u> | Email: <u>TMELLAND@PGEI.COM</u> | | | | | |
| For "Intent" 24 hour notice required, COGCC contact: | | Name: <u>DURAN, JOHN</u> Tel: <u>(719) 846-4715</u> Email: <u>john.duran@state.co.us</u> | | | | | | |
| API Number <u>05-055-06216-00</u> | | | | | | | | |
| Well Name: <u>STATE</u> | | Well Number: <u>4W</u> | | | | | | |
| Location: QtrQtr: <u>NENW</u> | Section: <u>36</u> | Township: <u>28S</u> | Range: <u>67W</u> Meridian: <u>6</u> | | | | | |
| County: <u>HUERFANO</u> | | Federal, Indian or State Lease Number: _____ | | | | | | |
| Field Name: <u>PURGATOIRE RIVER</u> | | Field Number: <u>70830</u> | | | | | | |
| <input checked="" type="checkbox"/> Notice of Intent to Abandon <input type="checkbox"/> Subsequent Report of Abandonment | | | | | | | | |
| <i>Only Complete the Following Background Information for Intent to Abandon</i> | | | | | | | | |
| Latitude: <u>37.572366</u> | | Longitude: <u>-104.843875</u> | | | | | | |
| GPS Data: | | | | | | | | |
| Data of Measurement: <u>12/05/2005</u> | | PDOP Reading: <u>6.0</u> | GPS Instrument Operator's Name: <u>GARY L. TERRY</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 _____ | | | | | | | | |
| Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Top of Casing Cement: <u>440</u> | | | | | | |
| 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 | | | |
| VERMEJO COAL | 1092 | 1226 | | | | | | |
| 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 | 13+3/8 | 10+3/4 | 40.5 | 818 | 250 | 818 | 0 | |
| 1ST | 8+3/4 | 7 | 20 | 1,323 | 200 | 1,323 | 440 | |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 1067 with 111 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 <u>189</u> sks cmt from <u>398</u> ft. to <u>4</u> ft. in | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft. in | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft. in | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft. in | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft. in | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |

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 _____ sacks half in. half out surface casing from _____ ft. to _____ 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 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:

PETROGLYPH, OPERATING, RATON BASIN WELLS
 GENERAL PLUGGING PROCEDURE:

- * A RIG WILL PULL AND LD RODS AND TUBING IN ALL WELLS BEFORE PLUGGING CONTRACTOR ARRIVES.
- * A WIRELINE COMPNAY WILL SET CIBPS APPROX. 25 FT. ABOVE TOP PERFORATION IN ALL WELLS BEFORE PLUGGING CONTRACTOR ARRIVES.
- * MIRU PLUGGING CONTRACTOR.
- * RIH WITH TUBING, TAG CIBP AND CEMENT BOTTOM TO TOC (TOP OF PRODUCTION CEMENT). POOH WITH TUBING.
- * MIRU WIRLINE CONTRACTOR, GIH AND CUT PRODUCTION CASING FIRST PRODUCTION CASING COUPLING ABOVE TOC.
- * POOH AND LD CASING.
- * RIH WITH TUBING TO TOP OF CASING CUT AND CEMENT BOTTOM TO TOP (4' BELOW GROUND LEVEL).
- * DIG CELLAR AROUND SURFACE CASING AND CUT CASING 4 FT BELOW GL AND WELD PLATE ON TOP.

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

Signed: _____ Print Name: TOM MELLAND

Title: DISTRICT MANAGER Date: 6/10/2011 Email: TMELLAND@PGEI.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: 6/20/2011

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 12/19/2011

1) Provide 48 hour notice of MIRU to John Duran at 719-846-4715 or email John.Duran@state.co.us.

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 2567268 | WELLBORE DIAGRAM |
| 400176193 | FORM 6 INTENT SUBMITTED |

Total Attach: 2 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
| | | |

Total: 0 comment(s)