

FORM  
2

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



|    |    |    |    |
|----|----|----|----|
| DE | ET | OE | ES |
|----|----|----|----|

APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  Recomplete and Operate

2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE ZONE  COMMINGLE ZONE

Refiling   
Sidetrack

Document Number:  
400060191  
Plugging Bond Surety  
20090078

3. Name of Operator: PETROLEUM DEVELOPMENT CORPORATION 4. COGCC Operator Number: 69175

5. Address: 1775 SHERMAN STREET - STE 3000  
City: DENVER State: CO Zip: 80203

6. Contact Name: Larry Robbins Phone: (303)860-5822 Fax: (303)860-5838  
Email: lrobbins@petd.com

7. Well Name: Puckett Well Number: 22C-1D

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 8813

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 1 Twp: 7S Rng: 97W Meridian: 6  
Latitude: 39.474711 Longitude: -108.169506

Footage at Surface: 2586 FNL 2398 FWL

11. Field Name: Grand Valley Field Number: 31290

12. Ground Elevation: 8218 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 08/12/2009 PDOP Reading: 2.4 Instrument Operator's Name: Ben Johnson

15. If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: 2113 FNL 1616 FWL 2135 FNL 1600 FWL  
Bottom Hole: 2135 FNL 1600 FWL  
Sec: 1 Twp: 7S Rng: 97W Sec: 1 Twp: 7S Rng: 97W

16. Is location in a high density area? (Rule 603b)?  Yes  No

17. Distance to the nearest building, public road, above ground utility or railroad: 10684 ft

18. Distance to nearest property line: 6620 ft 19. Distance to nearest well permitted/completed in the same formation: 321 ft

20. LEASE, SPACING AND POOLING INFORMATION

| Objective Formation(s) | Formation Code | Spacing Order Number(s) | Unit Acreage Assigned to Well | Unit Configuration (N/2, SE/4, etc.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Williams Fork-Cameo    | WFCM           | 510-21                  |                               |                                      |

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: \_\_\_\_\_

22. Surface Ownership:  Fee  State  Federal  Indian

23. Is the Surface Owner also the Mineral Owner?  Yes  No Surface Surety ID#: \_\_\_\_\_

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease?  Yes  No

23b. If 23 is No  Surface Owners Agreement Attached or  \$25,000 Blanket Surface Bon  \$2,000 Surface Bond  \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):  
See attached map

25. Distance to Nearest Mineral Lease Line: 2660 ft 26. Total Acres in Lease: 4960

### DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated?  Yes  No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling?  Yes  No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling?  Yes  No

30. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)?  Yes  No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. Mud disposal:  Offsite  Onsite  
Method:  Land Farming  Land Spreading  Disposal Facility Other: \_\_\_\_\_

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bottom | Cement Top |
|-------------|--------------|----------------|-----------------|---------------|--------------|---------------|------------|
| CONDUCTOR   | 24           | 20             | 53              | 100           | 100          | 100           | 0          |
| SURF        | 17+1/2       | 9+5/8          | 36              | 2,000         | 1,480        | 2,000         | 0          |
| 1ST         | 8+3/4        | 4+1/2          | 11.6            | 8,825         | 1,000        | 8,825         | 3,825      |

32. BOP Equipment Type:  Annular Preventer  Double Ram  Rotating Head  None

33. Comments PDC will not be constructing pits for the drilling/completion operations at the Puckett #22C-1D wellsite due to the use of closed loop drilling/completion tank systems.

34. Location ID: 324394

35. Is this application in a Comprehensive Drilling Plan ?  Yes  No

36. Is this application part of submitted Oil and Gas Location Assessment ?  Yes  No

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

Signed: \_\_\_\_\_ Print Name: Larry Robbins

Title: Regulatory Agent Date: 7/27/2010 Email: lrobbins@petd.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Nesline Director of COGCC Date: 9/23/2010

API NUMBER: **05 045 19931 00** Permit Number: \_\_\_\_\_ Expiration Date: 9/22/2012

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

- 1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.
- 2) GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE
- 3) THE NEARBY HILLSIDE MUST BE MONITORED FOR ANY DAY LIGHTING DRILLING FLUIDS THROUGHOUT THE DRILLING OF THE SURFACE CASING INTERVAL.
- 4) COMPLY WITH ALL PROVISIONS OF THE JUNE 12, 2008 NOTICE TO OPERATORS DRILLING WELLS WITHIN 3/4 MILE OF THE RIM OF THE ROAN PLATEAU IN GARFIELD COUNTY - PIT DESIGN, CONSTRUCTION AND MONITORING REQUIREMENTS. SEE ATTACHED NOTICE.
- 5) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1 MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 605 FEET DEEP.

### Attachment Check List

| Att Doc Num | Name                   | Doc Description      |
|-------------|------------------------|----------------------|
| 400060191   | FORM 2 SUBMITTED       | LF@2514172 400060191 |
| 400079639   | WELL LOCATION PLAT     | LF@2514173 400079639 |
| 400079640   | DEVIATED DRILLING PLAN | LF@2514174 400079640 |
| 400079641   | LEASE MAP              | LF@2514175 400079641 |

Total Attach: 4 Files

### General Comments

| <u>User Group</u> | <u>Comment</u>                          | <u>Comment Date</u>      |
|-------------------|---|--------------------------|
| Permit            | Depth changed to match directional plan | 9/23/2010<br>10:01:03 AM |

Total: 1 comment(s)

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