

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



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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:  
400071394  
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: Kelly Huffman Phone: (303)831-3974 Fax: (303)860-5838  
Email: khuffman@petd.com

7. Well Name: Walters Well Number: 23-21DU

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

9. Proposed Total Measured Depth: 7576

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 21 Twp: 4N Rng: 67W Meridian: 6  
Latitude: 40.295380 Longitude: -104.899580

Footage at Surface: 1547 FNL/FSL FSL 1642 FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4940 13. County: WELD

14. GPS Data:

Date of Measurement: 03/10/2011 PDOP Reading: 6.0 Instrument Operator's Name: Thomas G. Carlson

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

Footage at Top of Prod Zone: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_ Bottom Hole: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_  
2093 FSL 2180 FWL 2093 FSL 2180 FWL  
Sec: 21 Twp: 4N Rng: 67W Sec: 21 Twp: 4N Rng: 67W

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: 1119 ft

18. Distance to nearest property line: 90 ft 19. Distance to nearest well permitted/completed in the same formation: 645 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.)
Niobrara Codell	NB-CD	407-87	80	E/2SW/4
Sussex Shannon	SX-SN	n/a	80	E/2SW/4

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#: 19990086

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):  
 Township 4 North, Range 67 West, 6th P.M. Section 21: W/2 (and lands in other sections)

25. Distance to Nearest Mineral Lease Line: 488 ft 26. Total Acres in Lease: 480

**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
SURF	12+1/4	8+5/8	24	650	390	650	0
1ST	7+7/8	4+1/2	10.5	7,576	206	7,576	6,176
S.C. 1.1	7+7/8	4+1/2	10.5	7,576	206	7,576	6,176

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

33. Comments Conductor casing will not be used. The Walters 23-21DU will be drilled from the same pad as the Walters 21ODU, 21QDU, 24-21DU, 21LDU, Ryland 20XD, 20YD, Wedco 13-21DU and 14-21DU. The well will be tied into an existing tank battery facility located at the Bunyan 1 well. Petroleum Development Corporation requests approval of a Rule 318Ac exception location: Wellhead is to be located more than 50' from an existing well location. Petroleum Development Corporation requests approval of a Rule 603.a.(2) exception location: Wellhead is to be located less than 150' from a property line.

34. Location ID: \_\_\_\_\_

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: Kelly Huffman

Title: Contract Land Tech Date: 7/1/2010 Email: khuffman@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: 8/6/2010

Permit Number: \_\_\_\_\_ Expiration Date: 8/5/2012

**API NUMBER**

05 123 31966 00

**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) Provide 24 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

**Attachment Check List**

Att Doc Num	Name	Doc Description
1770467	SURFACE CASING CHECK	LF@2513990 1770467
400071394	FORM 2 SUBMITTED	LF@2500797 400071394
400071400	EXCEPTION LOC REQUEST	LF@2500798 400071400
400071401	30 DAY NOTICE LETTER	LF@2500799 400071401
400071402	EXCEPTION LOC REQUEST	LF@2500800 400071402
400071403	EXCEPTION LOC WAIVERS	LF@2500801 400071403
400071404	EXCEPTION LOC WAIVERS	LF@2500802 400071404
400071405	PLAT	LF@2500803 400071405
400071406	TOPO MAP	LF@2500805 400071406
400071407	DEVIATED DRILLING PLAN	LF@2500806 400071407

Total Attach: 10 Files

**General Comments**

User Group	Comment	Comment Date
Permit	PERMITTING PASSED . PVG	8/6/2010 4:46:36 PM

Total: 1 comment(s)