

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:

400042703

Plugging Bond Surety

20090078

3. Name of Operator: PETROLEUM DEVELOPMENT CORPORATION 4. COGCC Operator Number: 691755. Address: 1775 SHERMAN STREET - STE 3000City: DENVER State: CO Zip: 802076. Contact Name: Tyson Johnston Phone: (303)860-5809 Fax: (303)860-5838Email: tjohnston@petd.com7. Well Name: Hardwick Well Number: 32-9

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

9. Proposed Total Measured Depth: 2250

## WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 9 Twp: 2S Rng: 44W Meridian: 6Latitude: 39.899640 Longitude: -102.303220Footage at Surface: 1890 FNL/FSL FNL 1575 FEL/FWL FEL11. Field Name: Vernon Field Number: 8650012. Ground Elevation: 3832 13. County: YUMA

## 14. GPS Data:

Date of Measurement: 11/15/2009 PDOP Reading: 2.8 Instrument Operator's Name: S. DeManche15. 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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

16. Is location in a high density area? (Rule 603b)?  Yes  No17. Distance to the nearest building, public road, above ground utility or railroad: 1865 ft18. Distance to nearest property line: 1890 ft 19. Distance to nearest well permitted/completed in the same formation: 845 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	NBRR	Unspaced	320	N2

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):  
 All Section 9; W/2NW/4 Section 10; 2 Acre tract Section 31 Township 2 South, Range 44 West, 6th P.M. and SW/4 Section 14; W/2NW/4 Section 25 Township 2 South, Range 45 West, 6th P.M.

25. Distance to Nearest Mineral Lease Line: 1890 ft 26. Total Acres in Lease: 1120

### 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	9+5/8	7+0/0	17	350	175	350	
1ST	6+1/4	4+1/2	10.5	2,250	150	2,250	1,250

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

33. Comments -Conductor casing will not be used -Conservation Easment Lifted (See attachment) -Re-file of permit expired 1/12/10 -Location falls in the Northern High Plains Designated Groundwater Basin

34. Location ID: 337754

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: Tyson Johnston

Title: Regional Landman Date: 4/7/2010 Email: tjohnston@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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

<b>API NUMBER</b>
05 125 10560 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.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
400053133	30 DAY NOTICE LETTER	Hardwick 30 Day Notice.pdf
400053137	SURFACE AGRMT/SURETY	Hardwick 32-9 SDA.pdf
400053138	OTHER	Hardwick Conservation Easement Amendment.pdf
400053497	FORM 2 SUBMITTED	400053497.pdf
400055101	PLAT	HARDWICK 32-9 well plat.pdf

Total Attach: 5 Files