

**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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Document Number:  
400015593  
Plugging Bond Surety  
20090078

**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

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

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

6. Contact Name: Sarah Garrett Phone: (303)860-5803 Fax: (303)860-5838  
Email: sgarrett@petd.com

7. Well Name: Wells Ranch State Well Number: 31-28

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

9. Proposed Total Measured Depth: 6950

**WELL LOCATION INFORMATION**

10. QtrQtr: NWNE Sec: 28 Twp: 6N Rng: 63W Meridian: 6  
Latitude: 40.463180 Longitude: -104.439000

Footage at Surface: 613 FNL/FSL FNL 1882 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4750 13. County: WELD

14. GPS Data:  
Date of Measurement: 11/03/2009 PDOP Reading: 6.0 Instrument Operator's Name: Thomas G Carlson PLS 24657

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

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: 4955 ft  
18. Distance to nearest property line: 613 ft 19. Distance to nearest well permitted/completed in the same formation: 1177 ft

**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.)
Dakota	DKTA	N/A	320	E2
J-Sand	JSND	N/A	320	E2
Niobrara-Codell	NBCD	407-87	80	W2NE
Sussex-Shannon	SXSN	N/A	80	W2NE

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):  
Sec. 28, T6N, R63W

25. Distance to Nearest Mineral Lease Line: 613 ft 26. Total Acres in Lease: 640

### 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	400	240	400	0
S.C. 1.1	7+7/8	4+1/2	10.5	6,950	200	6,950	3,000

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

33. Comments Conductor casing will not be used. Well will be tied into a common tank battery called the "Wells Ranch State 28 NE/4", which is located approximately 1,200' southeast from the Wells Ranch State 31-28. A separate 2A will be submitted.

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: Sarah Garrett

Title: Landman Date: \_\_\_\_\_ Email: sgarrett@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: \_\_\_\_\_

<b>API NUMBER</b> 05	Permit Number: _____ Expiration Date: _____
<b>CONDITIONS OF APPROVAL, IF ANY:</b> _____	

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
400015650	30 DAY NOTICE LETTER	Wells Ranch State 30 Day Notice Letter Greeley.pdf
400015655	PLAT	Wells Ranch State 31-28 Plat2.pdf
400015659	TOPO MAP	Wells Ranch State 31-28 Topo2.pdf

Total Attach: 3 Files