

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:

400032321

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 ☐

Refilling ☐

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 Well Number: 36L

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

9. Proposed Total Measured Depth: 6900

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 36 Twp: 6N Rng: 63W Meridian: 6

Latitude: 40.436070 Longitude: -104.390420

Footage at Surface: 155 FNL/FSL 1215 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4740 13. County: WELD

14. GPS Data:

Date of Measurement: 12/22/2009 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: 3 mi

18. Distance to nearest property line: 155 ft 19. Distance to nearest well permitted/completed in the same formation: 795 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	160	GWA
Sussex Shannon	SX-SN		160	GWA

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 Bond ☐ \$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):  
Section 36, Township 6 North, Range 63 West

25. Distance to Nearest Mineral Lease Line: 155 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	520	300	520	0
1ST	7+7/8	4+1/2	10.5	6,900	180	6,900	5,700

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

33. Comments Conductor casing will not be used. Well will be tied into the existing Wells Ranch 36B tank battery. A separate 2A will be filed for the tank battery, if necessary. Proposed Spacing unit consists of the S/2SW/4 of Sec 36 6n/63w and the N/2NW/4 Sec 1 5n/63w. Location is outside the drilling window and is more than 50 feet from an existing well, exceptions ganted

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: 1/26/2010 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: David S. Neslin Director of COGCC Date: 3/4/2010

#### API NUMBER

05 123 31236 00

Permit Number: \_\_\_\_\_ Expiration Date: 3/2/2012

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.**

COGCC ENG COA - SME 1) Note surface casing setting depth change from 500' to 520'. Increase cement coverage accordingly and cement to surface. 2) Provide 24 hour notice of MIRU to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Shannon to 200' above Sussex. Verify coverage with cement bond log. Restore surface location.

Location is outside the drilling window and is more than 50 feet from an existing well, exceptions granted

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### **Attachment Check List**

Att Doc Num	Name	Doc Description
1725606	SURFACE CASING CHECK	LF@2426183 1725606
400032465	PLAT	LF@2327488 400032465
400032469	TOPO MAP	LF@2327489 400032469
400032471	30 DAY NOTICE LETTER	LF@2327490 400032471
400032472	EXCEPTION LOC WAIVERS	LF@2327491 400032472
400032473	EXCEPTION LOC REQUEST	LF@2327492 400032473
400032474	PROPOSED SPACING UNIT	LF@2327493 400032474
400032477	PROPOSED SPACING UNIT	LF@2327494 400032477
400032478	PROPOSED SPACING UNIT	LF@2327495 400032478
400032575	FORM 2 SUBMITTED	LF@2327496 400032575

Total Attach: 10 Files