

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:

400042340

Plugging Bond Surety

20090078

3. Name of Operator: PETROLEUM DEVELOPMENT CORPORATION

4. COGCC Operator Number: 69175

5. Address: PO BOX 26

City: BRIDGEPORT State: WV Zip: 26330

6. Contact Name: Sarah Garrett Phone: (303)860-5803 Fax: (303)860-5838

Email: sgarrett@petd.com

7. Well Name: Wells Ranch Well Number: 10J

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

9. Proposed Total Measured Depth: 7250

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 10 Twp: 5N Rng: 63W Meridian: 6

Latitude: 40.421010 Longitude: -104.428020

Footage at Surface: 55 FNL/FSL FNL 1256 FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4700 13. County: WELD

14. GPS Data:

Date of Measurement: 01/28/2010 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 \_\_\_\_\_

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: 2 mi

18. Distance to nearest property line: 55 ft 19. Distance to nearest well permitted/completed in the same formation: 870 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.)
J Sand	JSND	232-240	160	GWA
Niobrara Codell	NB-CD	407-87	160	GWA
Sussex Shannon	SX-SN	N/A	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#: 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 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):  
W/2 Section 10, Township 5 North, Range 63 West

25. Distance to Nearest Mineral Lease Line: 55 ft 26. Total Acres in Lease: 320

### 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	450	270	450	0
S.C. 1.1	7+7/8	4+1/2	10.5	7,250	150	7,250	5,850
S.C. 1.2	7+7/8	4+1/2	10.5	5,850	300	5,850	2,950

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

33. Comments Conductor casing will not be used. Well will be tied into common tank battery at existing Wells Ranch 10A. Proposed spacing unit is N/2NW4 sec 10, S/2SW4 sec 3 RULE 603.a.(2) EXCEPTION LOCATION 55' from property line (jps 3/22)

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: 2/26/2010 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: 3/31/2010

#### API NUMBER

05 123 31415 00

Permit Number: \_\_\_\_\_ Expiration Date: 3/30/2012

#### 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) Provide 24 hr notice of spud to Provide 24 hour notice of MIRU to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us. 2. Set surface casing, per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) If completed 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 drilling window and is more than 50' from an existing well location: EXCEPTION GRANTED.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
1725683	SURFACE CASING CHECK	LF@2440217 1725683
400042344	30 DAY NOTICE LETTER	LF@2430158 400042344
400042345	EXCEPTION LOC WAIVERS	LF@2430159 400042345
400042346	EXCEPTION LOC REQUEST	LF@2430160 400042346
400042347	PLAT	LF@2430161 400042347
400042348	TOPO MAP	LF@2430162 400042348
400042349	PROPOSED SPACING UNIT	LF@2430163 400042349
400042350	PROPOSED SPACING UNIT	LF@2430164 400042350
400042351	PROPOSED SPACING UNIT	LF@2430165 400042351
400043508	EXCEPTION LOC WAIVERS	LF@2430166 400043508
400043509	EXCEPTION LOC REQUEST	LF@2430167 400043509
400043511	FORM 2 SUBMITTED	LF@2430168 400043511

Total Attach: 12 Files