

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:

400095322

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 - 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: Smartt Ranch Well Number: 33-2

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 5000

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 2 Twp: 22S Rng: 49W Meridian: 6

Latitude: 38.164448 Longitude: -102.874682

Footage at Surface: 2340 FNL/FSL FSL 1416 FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 3934 13. County: BENT

14. GPS Data:

Date of Measurement: 09/08/2010 PDOP Reading: 1.6 Instrument Operator's Name: Jerry F. Harcek, Jr.

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: 2323

18. Distance to nearest property line: 1416 ft 19. Distance to nearest well permitted/completed in the same formation: 5280 mi

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.)
Atoka	ATOK	N/A	640	All
Cherokee	CHRK	N/A	640	All
Kansas City	KSSC	N/A	640	All
Lansing	LNSNG	N/A	640	All
Marmaton	MRTN	N/A	640	All
Morrow	MRRW	N/A	640	All
Topeka	TOPK	N/A	640	All

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):
Township 22 South, Range 49 West, 6th P.M. Section 2: N/2, SE/4

25. Distance to Nearest Mineral Lease Line: 1223 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	800	280	800	0
1ST	7+7/8	4+1/2	11.6	4,950	415	4,950	2,800

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

33. Comments The Smartt Ranch will be a vertical location located in the NWSE of a 640 acre unit. No Conductor Casing will be set.

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: Permit Specialist Date: 9/30/2010 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. Neslin Director of COGCC Date: 10/31/2010

API NUMBER

05 011 06194 00

Permit Number: _____ Expiration Date: 10/30/2012

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.

- 1) Provide 24 hour notice of MIRU to Craig Quint at 719-767-8939 or e-mail at craig.quint@state.co.us
- 2) Set at least 800' of surface casing and cement to surface (Rule 317.e).
- 3) If production casing is set provide cement coverage to at least 200' above shallowest completed interval (Rule 317.i). Run CBL to verify cemented intervals (Rule 317.o).
- 4) If well is a dry hole set plugs at the following depths: 40 sks cement +/-50' above the Lansing, 40 sks cement above any DST w/ hydrocarbon show, 40 sks cement from 50' below surface casing shoe up into surface casing, 15 sks cement at top of surface csg, cut off 4 ft below GL, weld on plate, 5 sks cement in rat hole and mouse hole.

Attachment Check List

Att Doc Num	Name	Doc Description
2512833	SURFACE CASING CHECK	LF@2610096 2512833
400095322	FORM 2 SUBMITTED	LF@2588751 400095322
400095340	PLAT	LF@2588752 400095340
400096233	30 DAY NOTICE LETTER	LF@2588753 400096233
400096234	TOPO MAP	LF@2588754 400096234

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED JLV	10/22/2010 1:34:22 PM
Permit	Change distance to nearest well and add that no Conductor Casing will be set per Operator JLV.	10/22/2010 1:31:18 PM

Total: 2 comment(s)

Error: Subreport could not be shown.