

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:

400012820

Plugging Bond Surety

20090078

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: Tyson Johnston Phone: (303)860-5809 Fax: (303)860-5838

Email: tjohnston@petd.com

7. Well Name: Soehner Well Number: 14-10

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

9. Proposed Total Measured Depth: 1740

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 10 Twp: 3S Rng: 42W Meridian: 6

Latitude: 39.808118 Longitude: -102.065456

Footage at Surface: 1290 FNL/FSL FSL 1100 FEL/FWL FWL

11. Field Name: Armel Field Number: 2960

12. Ground Elevation: 3743 13. County: YUMA

14. GPS Data:

Date of Measurement: 10/04/2009 PDOP Reading: 2.6 Instrument Operator's Name: S. DeManche

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: 1100 ft

18. Distance to nearest property line: 1100 19. Distance to nearest well permitted/completed in the same formation: 913

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	330-4		n/a

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):
All of Sec 10 T3S R42W

25. Distance to Nearest Mineral Lease Line: 1100 ft 26. Total Acres in Lease: 594

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	17	320	150	320	
1ST	6+1/4	4+1/2	10.5	1,740	320	1,740	740

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

33. Comments Conductor Casing will not be used. *Engle 1-10 will not be produced concurrently with this well.

34. Location ID: 311197

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: Landman Date: 11/24/2009 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: David S. Neslin Director of COGCC Date: 1/24/2010

API NUMBER

05 125 11591 00

Permit Number: _____ Expiration Date: 1/23/2012

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 hr notice of spud to Mike Leonard at 719-767-2805 or e-mail mike.leonard@state.co.us. 2) Set surface casing at least 50' into Pierre Shale for aquifer coverage, (320' minimum - as proposed). Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 4) If dry hole, set 35 sks cement 50' above Niobrara top, 35 sks cement ½ out, ½ in surface casing, 10 sks cement at top of surface casing, cut casing 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole.

The Soehner 14-10 well shall not produce concurrently with the Engle 1-10 well. 1/12/10 plg.

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Attachment Check List

Att Doc Num	Name	Doc Description
2098484	SURFACE CASING CHECK	LF@2199768 2098484.00000
400015152	PLAT	LF@2194309 400015152
400016096	30 DAY NOTICE LETTER	LF@2194310 400016096
400017824	SURFACE AGRMT/SURETY	LF@2194311 400017824
400017863	FORM 2 SUBMITTED	LF@2194312 400017863

Total Attach: 5 Files