

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:

400057901

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: Guttersen Well Number: 25KD

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

9. Proposed Total Measured Depth: 7500

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 25 Twp: 3N Rng: 64W Meridian: 6

Latitude: 40.196970 Longitude: -104.499810

Footage at Surface: 2384 FNL/FSL FNL 2615 FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4785 13. County: WELD

14. GPS Data:

Date of Measurement: 02/10/2010 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 2593 FNL 1327 FWL FWL Bottom Hole: FNL/FSL 2593 FNL 1327 FWL FWL
Sec: 25 Twp: 3N Rng: 64W Sec: 25 Twp: 3N Rng: 64W

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: 182 ft

18. Distance to nearest property line: 187 ft 19. Distance to nearest well permitted/completed in the same formation: 747 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	320	GWA
Niobrara-Codell	NB-CD	407-87	160	GWA
Sussex-Shannon	SX-SN	N/A	160	S/2NW, N/2SW

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):
 Township 3 North, Range 64 West, 6th P.M. Section 25: NE/4NE/4, NW/4NW/4, SE/4NW/4, S/2 (Lease also includes other acreage outside of this section)

25. Distance to Nearest Mineral Lease Line: 40 ft 26. Total Acres in Lease: 2889

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	675	390	675	0
1ST	7+7/8	4+1/2	10.5	7,500	324	7,500	7,000
S.C. 1.1	7+7/8	4+1/2	10.5	7,000	193	7,000	6,100
S.C. 1.2	7+7/8	4+1/2	10.5	7,500	324	7,500	7,000
	7+7/8	4+1/2	Stage Tool	7,000	193	7,000	6,100

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

33. Comments Conductor casing will not be used. The Gutttersen 25KD will be drilled from the same pad as the Gutttersen 250 well. The Gutttersen 25KD will be tied into an existing battery tank facility at the Dalbey D25-3 well. PROPOSED GWA SPACING UNIT NB-CD: S/2NW, N/2SW PROPOSED GWA SPACING UNIT J-SAND: W/2 Per Kelly Huffman, change distance to above ground utility from 150 to 182 and the distance to property line from 155 to 187. Changed location to 2384 FNL 2615 FWL. Added derrick height COA. 6-28-10 PVG

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: Contract Land Technician Date: 5/7/2010 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: 6/28/2010

Permit Number: _____ Expiration Date: 6/27/2012

API NUMBER

05 123 31816 00

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

- 1) Note surface casing setting depth change from 650' to 675'. 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) If completed, 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.
- 4) If dry hole, set 60 sks cement from 50' below D Sand base to 100' above D Sand top, 40 sks cement 50' above Niobrara top, 40 sks cement 50' above Shannon top, 40 sks cement 50' above Sussex top, 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore surface location.

Because the proposed well head is to be located 182' from a public utility, the derrick height may not exceed 120 feet as measured from the ground.

Attachment Check List

Att Doc Num	Name	Doc Description
1725829	SURFACE CASING CHECK	LF@2475625 1725829
2621587	WELL LOCATION PLAT	LF@2497972 2621587
400057901	FORM 2 SUBMITTED	LF@2465865 400057901
400060110	PLAT	LF@2465866 400060110
400060111	TOPO MAP	LF@2465867 400060111
400060113	EXCEPTION LOC WAIVERS	LF@2465868 400060113
400060120	EXCEPTION LOC REQUEST	LF@2465869 400060120
400060122	PROPOSED SPACING UNIT	LF@2465870 400060122
400060123	PROPOSED SPACING UNIT	LF@2465871 400060123
400060321	DEVIATED DRILLING PLAN	LF@2465872 400060321

Total Attach: 10 Files