


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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
DE	ET	OE	ES				
APPLICATION FOR PERMIT TO:			Document Number: <div style="text-align: center;">400157235</div> Plugging Bond Surety <div style="text-align: center;">20090078</div>				
1. <input checked="" type="checkbox"/> Drill, <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>					
3. Name of Operator: <u>PETROLEUM DEVELOPMENT CORPORATION</u> 4. COGCC Operator Number: <u>69175</u>							
5. Address: <u>1775 SHERMAN STREET - STE 3000</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>							
6. Contact Name: <u>Liz Lindow</u> Phone: <u>(303)590-8789</u> Fax: <u>()</u> Email: <u>llindow@petd.com</u>							
7. Well Name: <u>Brown</u> Well Number: <u>13-2H</u>							
8. Unit Name (if appl): _____ Unit Number: _____							
9. Proposed Total Measured Depth: <u>10805</u>							
WELL LOCATION INFORMATION							
10. QtrQtr: <u>NWSW</u> Sec: <u>2</u> Twp: <u>6N</u> Rng: <u>63W</u> Meridian: <u>6</u> Latitude: <u>40.512600</u> Longitude: <u>-104.412440</u>							
Footage at Surface: <u>1405</u> feet FNL/FSL <u>209</u> feet FEL/FWL <u>FWL</u>							
11. Field Name: <u>Wattenberg</u> Field Number: <u>90750</u>							
12. Ground Elevation: <u>4740</u> 13. County: <u>WELD</u>							
14. GPS Data: Date of Measurement: <u>12/21/2010</u> PDOP Reading: <u>6.0</u> Instrument Operator's Name: <u>Thomas Carlson</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) submit deviated drilling plan. Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL <div style="display: flex; justify-content: space-around;"> <u>1375</u> <u>FSL</u> <u>986</u> <u>FWL</u> <u>1313</u> <u>FSL</u> <u>501</u> <u>FEL</u> </div> Sec: <u>2</u> Twp: <u>6N</u> Rng: <u>63W</u> Sec: <u>2</u> Twp: <u>6N</u> Rng: <u>63W</u>							
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>215 ft</u>							
18. Distance to nearest property line: <u>209 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>491 ft</u>							
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		320	S/2			

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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):
Lot 1, Lot 2, S2NE4 & SE4 (E2) Sec 2 T6N R63W; and Lot 3, Lot 4, S2NW/4 & SW/4 (W2) Sec 2 T6N R63W

25. Distance to Nearest Mineral Lease Line: _____ 0 ft 26. Total Acres in Lease: _____ 636

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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☐ No

31. Mud disposal: ☒ Offsite ☐ Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**

Method: ☐ Land Farming ☒ Land Spreading ☐ Disposal Facility Other: closed loop

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+1/4	9+5/8	36	0	450	159	450	0
1ST	8+3/4	7	26	0	7,084	809	7,084	0
1ST LINER	6+1/8	4+1/2	11.6	5870	10,805			

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

33. Comments Conductor casing will not be used. Operator requests location exception per Rule 318Aa and Rule 318Ac: well will not be drilled in a legal drilling window and not twinned with an existing well. Waiver is attached. Operator requests approval of the proposed 320 acre spacing unit consisting of the S2 of Sec 2 T6N R63W. Proposed spacing map and 20-day certification letter (Operator is 100% lease holder) is attached.

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: Liz Lindow

Title: Permit Representative Date: 4/22/2011 Email: llindow@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. Nesline Director of COGCC Date: 5/17/2011

Permit Number: _____ Expiration Date: 5/16/2013

API NUMBER

05 123 33542 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.

- 1) Provide 24 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us.
- 2) Comply with Rule 317.f and set at least 450' of surface casing, cement to surface.
- 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Operator must meet water well testing requirements as per amended rule 318A.

Attachment Check List

Att Doc Num	Name
400157235	FORM 2 SUBMITTED
400157267	30 DAY NOTICE LETTER
400157272	DEVIATED DRILLING PLAN
400157273	TOPO MAP
400157275	EXCEPTION LOC WAIVERS
400157277	WELL LOCATION PLAT
400157281	PROPOSED SPACING UNIT
400157282	PROPOSED SPACING UNIT
400157283	EXCEPTION LOC REQUEST

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

Type	Comment

Total: 0 comment(s)