


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: 400130813 Plugging Bond Surety 20090078				
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)831-3974</u> Fax: <u>()</u> Email: <u>llindow@petd.com</u>							
7. Well Name: <u>Riteaway</u> Well Number: <u>11-32D</u>							
8. Unit Name (if appl): _____ Unit Number: _____							
9. Proposed Total Measured Depth: <u>7779</u>							
WELL LOCATION INFORMATION							
10. QtrQtr: <u>NENW</u> Sec: <u>32</u> Twp: <u>5N</u> Rng: <u>67W</u> Meridian: <u>6</u> Latitude: <u>40.362170</u> Longitude: <u>-104.920120</u>							
Footage at Surface: <u>460</u> feet FNL/FSL <u>FNL</u> 1784 feet FEL/FWL <u>FWL</u>							
11. Field Name: _____ Field Number: _____							
12. Ground Elevation: <u>4795</u> 13. County: <u>WELD</u>							
14. GPS Data: Date of Measurement: <u>12/17/2010</u> PDOP Reading: <u>1.2</u> Instrument Operator's Name: <u>Michael Chad Dilka</u>							
15. If well is <input checked="" type="checkbox"/> Directional <input 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 <u>656</u> <u>FNL</u> <u>657</u> <u>FWL</u> <u>656</u> <u>FNL</u> <u>657</u> <u>FWL</u> Sec: <u>32</u> Twp: <u>5N</u> Rng: <u>67W</u> Sec: <u>32</u> Twp: <u>5N</u> Rng: <u>67W</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>478 ft</u>							
18. Distance to nearest property line: <u>459 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>821 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.)			
J-Sand	JSND	232-23	320	W2			
Niobrara Codell	NB-CD	407-87	80	W/2NW/4			
Parkman	PRKM		80	W/2NW/4			
Sussex Shannon	SX-SN		80	W/2NW/4			

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#: 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):
W/2NW/4 of Sec 32 T5N R67W

25. Distance to Nearest Mineral Lease Line: 665 ft 26. Total Acres in Lease: 80

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

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

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	8+5/8	24	0	365	500	365	0
1ST	7+7/8	4+1/2	10.5	0	7,300	525	7,300	0

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

33. Comments Conductor casing will not be used. The Riteaway 32ND, 32JD, 22-32D, 32AD, and 11-32D will all be drilled from the same pad. The well will be tied into an existing tank battery facility approximately 300 feet north of the pad. The operator requests a waiver to Rule 318Ac: The well will be located more than 50' from an existing well location.

34. Location ID: 322682

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: 3/9/2011 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: 4/6/2011

API NUMBER

05 123 33285 00

Permit Number: _____ Expiration Date: 4/5/2013

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.i and provide cement coverage from TD to a minimum of 200' above Niobrara, from 200' below Shannon to 200' above Sussex and 200' below and 200' above the Parkman. Verify coverage with cement bond log.
- 3) 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.

Attachment Check List

Att Doc Num	Name
1693921	DEVIATED DRILLING PLAN
1771132	SURFACE CASING CHECK
400130813	FORM 2 SUBMITTED
400141913	DEVIATED DRILLING PLAN
400141914	WELL LOCATION PLAT
400141916	TOPO MAP
400141917	EXCEPTION LOC REQUEST
400141918	EXCEPTION LOC WAIVERS

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Changed TD to 7779' per LL. Added updated deviated drilling plan. plg.	3/31/2011 8:49:39 AM
Permit	ON HOLD: Requested confirmation of TD. added location # 322682. plg.	3/18/2011 11:16:15 AM
Permit	Back to draft for attachments - won't open. sf	3/10/2011 9:59:52 AM

Total: 3 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)