

FORM  
2

Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400350044

Date Received:

11/30/2012

PluggingBond SuretyID

20120044

APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_  
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☐

3. Name of Operator: CASCADE PETROLEUM LLC

4. COGCC Operator Number: 10414

5. Address: 1331 17TH STREET #400

City: DENVER State: CO Zip: 80202

6. Contact Name: JASON DEAN Phone: (303)407-6504 Fax: (303)407-6501

Email: jdean@cascadepetroleum.com

7. Well Name: FISHER Well Number: 13-9S-55W-01H

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 12281

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 13 Twp: 9S Rng: 55W Meridian: 6

Latitude: 39.271290 Longitude: -103.504690

Footage at Surface: 660 feet FNL 1505 feet FWL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 5610 13. County: LINCOLN

14. GPS Data:

Date of Measurement: 11/28/2012 PDOP Reading: 1.8 Instrument Operator's Name: ROBERT J RUBINO

15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: 1018 FNL 1788 FWL 710 FSL 710 FEL  
Sec: 13 Twp: 9S Rng: 55W Sec: 13 Twp: 9S Rng: 55W

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: 540 ft

18. Distance to nearest property line: 660 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1280 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| PENNSYLVANIAN          | PENN           |                         |                               |                                      |

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 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):

13-9S-55W: All, less a 12 acre tract described in Lincoln County Records Book 179, Page 364 and a 2 acre tract described in Lincoln County Records Book 189, Page 133; 10-9S-55W: NE

25. Distance to Nearest Mineral Lease Line: 660 ft

26. Total Acres in Lease: 786

### 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: back fill when dry

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             | 500           | 174       | 500     | 0       |
| 1ST         | 8+3/4        | 7              | 26    | 0             | 7,900         | 707       | 7,900   | 0       |
| 1ST LINER   | 6+1/4        | 4+1/2          | 11.6  | 7000          | 12,281        |           |         |         |

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

33. Comments distance to nearest well permitted/completed in same formation > 1 mile. Operator will not be using conductor casing.

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: SAM SCHUESSLER

Title: ENGINEERING TECH

Date: 11/30/2012

Email: sschuessler@cascadepetroleu

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: \_\_\_\_\_

Director of COGCC

Date: 1/8/2013

#### API NUMBER

05 073 06492 00

Permit Number: \_\_\_\_\_

Expiration Date: 1/7/2015

#### 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 48 hour notice prior to spud via electronic Form 42.
- 2) If production casing is set provide cement coverage to at least 200' above the shallowest completed interval and cement Cheyenne/Dakota interval (4950'-4400' minimum). Run and submit CBL to verify cemented intervals.
- 3) If well is a dry hole set plugs at the following depths: 40 sks cement across the 7" shoe, 40 sx cement at top of Lyons, 40 sks cement +/- 50' above any DST w/ show, 40 sks cement at 4950' up, 40 sks cement at 4400' up, 50 sks cement from 50' below surface casing shoe up into surface casing, 15 sks cement in top of surface casing, cut 4 ft below GL, weld on plate, 5 sks cement each in rat hole and mouse hole.
- 4) 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.

### **Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

### **Attachment Check List**

| Att Doc Num | Name                   |
|-------------|------------------------|
| 2544876     | SURFACE CASING CHECK   |
| 400350044   | FORM 2 SUBMITTED       |
| 400350505   | 30 DAY NOTICE LETTER   |
| 400350506   | CONSULT NOTICE         |
| 400350507   | SURFACE AGRMT/SURETY   |
| 400351178   | TOPO MAP               |
| 400352179   | WELL LOCATION PLAT     |
| 400352559   | DEVIATED DRILLING PLAN |
| 400353691   | DIRECTIONAL DATA       |
| 400353974   | DIRECTIONAL DATA       |

Total Attach: 10 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>  | <b><u>Comment Date</u></b> |
|--------------------------|--|----------------------------|
| Permit                   | Changed distance to another well to include new submitted APD.   | 1/8/2013<br>10:16:14 AM    |
| Engineer                 | No existing wells within 500' of proposed directional.   | 12/18/2012<br>3:03:08 PM   |
| LGD                      | Passed by LGD  | 12/5/2012<br>1:52:54 PM    |
| Permit                   | operator amended deviated drilling plan and directional data-values coincide. This form passed completeness. | 12/4/2012<br>3:06:47 PM    |
| Permit                   | Returned to draft. Deviated drilling plan does not match the directional data.                               | 12/4/2012<br>9:01:23 AM    |

Total: 5 comment(s)

## **BMP**

| <b><u>Type</u></b>             | <b><u>Comment</u></b>   |
|--------------------------------|---|
| Construction                   | Remove only the minimum amount of vegetation necessary for the construction of roads and facilities. Conserve topsoil during excavation and reuse as cover on disturbed areas to facilitate regrowth of vegetation. No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment.                             |
| Drilling/Completion Operations | Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well.   |
| Interim Reclamation            | Utilize only such area around each producing well as is reasonably necessary. Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations.  |
| Final Reclamation              | Utilize only such area around each producing well as is reasonably necessary. Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations.  |
| Site Specific                  | Fence the well site after drilling to restrict public and wildlife access. Keep well site location, the road, and the pipeline easement free of litter and debris. Implement dust control, as needed. There will be no release or discharge of any toxic or hazardous chemicals or wastes on Owner's Land. Construct and maintain gates where any roads used cross through fences on the leased premises. |
| Storm Water/Erosion Control    | Use water bars, and other measures to prevent erosion and non-source pollution. Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation.   |
| Planning                       | When feasible develop multiple well sites by using directional drilling to reduce cumulative impacts and adverse impacts on wildlife resources.   |

Total: 7 comment(s)