

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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| DE | ET | OE | ES |
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Document Number:

400042491

Plugging Bond Surety

20090069

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: DELTA PETROLEUM CORPORATION

4. COGCC Operator Number: 16800

5. Address: 370 17TH ST STE 4300

City: DENVER State: CO Zip: 80202

6. Contact Name: Kallasandra Moran Phone: (303)575-0323 Fax: (303)820-4025  
Email: kmoran@deltapetro.com

7. Well Name: BCU Well Number: 16-441

8. Unit Name (if appl): Buzzard Creek Unit Number: COC047597  
X

9. Proposed Total Measured Depth: 8772

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 16 Twp: 9S Rng: 93W Meridian: 6

Latitude: 39.272490 Longitude: -107.766420

Footage at Surface: 1052 FNL/FSL FSL 359 FEL/FWL FEL

11. Field Name: Buzzard Creek Field Number: 9500

12. Ground Elevation: 7336 13. County: MESA

14. GPS Data:

Date of Measurement: 04/28/2008 PDOP Reading: 0.0 Instrument Operator's Name: Ted Taggart, Wasatch Surveying

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

Footage at Top of Prod Zone: FNL/FSL 680 FSL 330 FEL FEL Bottom Hole: FNL/FSL 680 FSL 330 FEL FEL  
Sec: 16 Twp: 9S Rng: 93W Sec: 16 Twp: 9S Rng: 93W

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: 464 ft

18. Distance to nearest property line: 255 ft 19. Distance to nearest well permitted/completed in the same formation: 587 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Mesa Verde             | MVRD           | 399-5                   |                               |                                      |

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):  
T9S R93W: Sec. 21: E/2NE; Sec. 22: W/2NW; Sec. 9: SESW & SWSE; Sec. 16: N/2, SE, SESW; Sec. 15: W/2SW; Sec. 17: SENE

25. Distance to Nearest Mineral Lease Line: 1406 ft 26. Total Acres in Lease: 880

### 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: 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 | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bottom | Cement Top |
|-------------|--------------|----------------|-----------------|---------------|--------------|---------------|------------|
| CONDUCTOR   | 24           | 16             | 55              | 60            | 200          | 60            | 0          |
| SURF        | 12+1/4       | 8+5/8          | 24, 32          | 2,200         | 740          | 2,200         | 0          |
| 1ST         | 7+7/8        | 4+1/2          | 11.6            | 8,772         | 477          | 8,772         | 5,198      |

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

33. Comments #4 – GPS Data: No PDOP reading is available as per Surveyor - Control for survey was established using differentially corrected GPS from an Opus based control network. Well location was established using non-GPS conventional methods, therefore no PDOP reading was taken. Delta Petroleum became operator as of 9/2/2008, therefore Rule 306 is not applicable. There will not be a 30 day letter or SUA attached. I certify that all conditions in the original permit are the same. There have been no changes to land use or well construction. No additional disturbance to the existing pad has been started.

34. Location ID: 334461

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: Kallasandra Moran

Title: Permit Representative Date: 3/9/2010 Email: kmoran@deltapetro.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: 4/28/2010

Permit Number: \_\_\_\_\_ Expiration Date: 4/27/2012

**API NUMBER**

05 077 09876 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)COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED. 2)CEMENT TOP VERIFICATION BY CBL REQUIRED. 3)THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 160 FEET DEEP.

**Attachment Check List**

| Att Doc Num | Name             | Doc Description      |
|-------------|------------------|----------------------|
| 400048099   | FORM 2 SUBMITTED | LF@2436300 400048099 |

Total Attach: 1 Files