

FORM  
2Rev  
12/05State 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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## 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 ☐

Document Number:

400083635

Plugging Bond Surety

20070019

3. Name of Operator: ORR ENERGY LLC4. COGCC Operator Number: 101545. Address: 1813 61ST AVE STE 200City: GREELEY State: CO Zip: 806346. Contact Name: Virginia Lopez Phone: (303)928-7128 Fax: (303)423-8765Email: virginia@petro-fs.com7. Well Name: Smith Well Number: 23-44

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

9. Proposed Total Measured Depth: 7535

## WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 23 Twp: 10N Rng: 61W Meridian: 6Latitude: 40.813880 Longitude: -104.166199Footage at Surface: 564 FNL/FSL FSL 621 FEL/FWL FEL11. Field Name: Wildcat Field Number: 9999912. Ground Elevation: 5108 13. County: WELD

## 14. GPS Data:

Date of Measurement: 09/28/2010 PDOP Reading: 6.0 Instrument Operator's Name: CHRIS PEARSON15. If well is ☐ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_ Bottom Hole: FNL/FSL \_\_\_\_\_ FEL/FWL \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 362 ft18. Distance to nearest property line: 621 ft 19. Distance to nearest well permitted/completed in the same formation: 1193 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| CODELL                 | CODL           |                         |                               |                                      |
| DAKOTA                 | DKTA           |                         |                               |                                      |
| J SAND                 | JSND           |                         |                               |                                      |
| NIOBRARA               | NBRR           |                         |                               |                                      |

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):  
Please see the attached for the mineral lease description.

25. Distance to Nearest Mineral Lease Line: 621 ft 26. Total Acres in Lease: 980

### 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 pds          | 975           | 450          | 975           | 0          |
| 1ST         | 7+7/8        | 4+1/2          | 11.6 pds        | 7,925         | 800          | 7,925         | 0          |

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

33. Comments No conductor casing will be used.

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: Virginia Lopez

Title: Regulatory Technician Date: 8/10/2010 Email: virginia@petro-fs.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. Nashin Director of COGCC Date: 10/8/2010

#### API NUMBER

05 123 32339 00

Permit Number: \_\_\_\_\_ Expiration Date: 10/7/2012

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 hr notice of spud to Bo Brown at 970-392-4124 or e-mail at bo.brown@state.co.us.
- 2) Note surface casing setting depth change from 500' to 975'. Increase cement coverage accordingly and cement to surface. Set surface casing per Rule 317d, setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. 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, 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 site per COGCC 1000 rules.

### **Attachment Check List**

| Att Doc Num | Name                    | Doc Description      |
|-------------|-------------------------|----------------------|
| 2529674     | WELL LOCATION PLAT      | LF@2598899 2529674   |
| 2529675     | TOPO MAP                | LF@2598918 2529675   |
| 400083635   | FORM 2 SUBMITTED        | LF@2537114 400083635 |
| 400083679   | LEGAL/LEASE DESCRIPTION | LF@2537115 400083679 |
| 400083680   | 30 DAY NOTICE LETTER    | LF@2537116 400083680 |

Total Attach: 5 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>   | <b><u>Comment Date</u></b> |
|--------------------------|---|----------------------------|
| Permit                   | Well moved 140 feet east. New attachments and setbacks revised. | 10/8/2010<br>10:48:17 AM   |
| Permit                   | going to move the well east                                     | 9/22/2010<br>1:15:16 PM    |
| Permit                   | removed surface surety bond with operator approval              | 9/7/2010 2:11:36<br>PM     |
| Permit                   | Back to draft for correct Bonding info                          | 8/20/2010<br>9:46:27 AM    |
| Permit                   | Back to draft for correct Bonding info. kk                      | 8/11/2010<br>11:54:38 AM   |

Total: 5 comment(s)

Error: Subreport could not be shown.