

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:

400333689

Date Received:

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 ☐

PluggingBond SuretyID

20030028

3. Name of Operator: SWEPI LP

4. COGCC Operator Number: 78110

5. Address: 4582 S ULSTER ST PKWY #1400

City: DENVER State: CO Zip: 80237

6. Contact Name: Nancy Feck Phone: (307)367-7934 Fax: (307)367-4285

Email: N.Feck@shell.com

7. Well Name: Deal Gulch Well Number: 4-16

8. Unit Name (if appl): Williams Fork Unit Number: COC74956X

9. Proposed Total Measured Depth: 7814

WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 16 Twp: 5N Rng: 90W Meridian: 6

Latitude: 40.388231 Longitude: -107.498450

Footage at Surface: 2073 feet FNL/FSL FNL 2505 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 7210 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 08/09/2012 PDOP Reading: 1.4 Instrument Operator's Name: B.Hunting

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

Footage at Top of Prod Zone: FNL/FSL 2443 FNL 2926 FEL 600 FEL/FWL 641 FEL  
Sec: 16 Twp: 5N Rng: 90W Sec: 16 Twp: 5N Rng: 90W

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: 2190 ft

18. Distance to nearest property line: 2494 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2737 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Niobrara               | NBRR           |                         |                               |                                      |

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 8471.5

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):

Please see attached mineral lease map and descriptions. Distance to nearest Unit Boundary is 605'.

25. Distance to Nearest Mineral Lease Line: 0 26. Total Acres in Lease: 640

### 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: \_\_\_\_\_

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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR   | 30           | 20             |       | 0             | 90            |           | 90      | 0       |
| SURF        | 13+1/2       | 10+3/4         | 40.5  | 0             | 1,250         | 667       | 1,250   | 0       |
| 1ST         | 7+7/8        | 5+1/2          | 17    | 0             | 7,814         | 78        | 4,550   | 3,750   |

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

33. Comments Depending on subsurface conditions, intermediate casing may be used. If intermediate casing is used, the hole will be drilled at 9 7/8". Intermediate casing of 7 5/8" will run from surface to 4550' with cement from 3750' to 4550'. The production hole will be drilled at 6 3/4". A 5 1/2" production liner will be installed from 4350'(200' overlap) to 7814', uncemented. 9pt drilling plan is attached outlining this process. Item #25. Distance to the nearest unit boundary is 605'.

34. Location ID: 428535

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: Nancy Feck

Title: Regulatory Technician Date: \_\_\_\_\_ Email: N.Feck@shell.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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

API NUMBER

05

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

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.

### Attachment Check List

| Att Doc Num | Name                    |
|-------------|-------------------------|
| 400333700   | PLAT                    |
| 400333701   | LEGAL/LEASE DESCRIPTION |
| 400333702   | DRILLING PLAN           |
| 400333703   | WELLBORE DIAGRAM        |
| 400333704   | WELLBORE DIAGRAM        |
| 400333705   | DEVIATED DRILLING PLAN  |
| 400333706   | DIRECTIONAL DATA        |
| 400335288   | TOPO MAP                |
| 400335305   | MINERAL LEASE MAP       |

Total Attach: 9 Files

### General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
|                   |                |                     |

Total: 0 comment(s)

### BMP

| <u>Type</u> | <u>Comment</u> |
|-------------|----------------|
|             |                |

Total: 0 comment(s)