

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:

400304742

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: Anne Baldrige Phone: (303)305-7555 Fax: (303)305-7554

Email: a.baldrige@shell.com

7. Well Name: Deal Gulch Well Number: 2-16

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

9. Proposed Total Measured Depth: 8500

WELL LOCATION INFORMATION

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

Latitude: 40.387956 Longitude: -107.498253

Footage at Surface: 2166 feet FNL/FSL 2451 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 7210 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 06/18/2012 PDOP Reading: 1.6 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 2285 FSL 1820 FEL 163 FSL 2135 FWL 163
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: 2270 ft

18. Distance to nearest property line: 2166 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 660 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 #: 84715

22. Surface Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☒ Yes ☐ No Surface Surety ID#: 20030020

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☒ Yes ☐ No

25. Distance to Nearest Mineral Lease Line: 163 ft 26. Total Acres in Lease:

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	156	90	
SURF	13+1/2	10+3/4	40.5	0	1,500	793	1,500	
1ST	7+7/8	5+1/2	17	0	8,368	68	5,329	4,630

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

33. Comments Contingency intermediate casing : hole size 9 7/8", casing size 7 5/8", 29# set at 5329' cemented with 84 sacks, TOC at 4630.

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
400304813	
400304814	
400304815	
400304816	
400304818	
400304819	
400304820	
400304823	
400304825	DIRECTIONAL DATA

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>
Material Handling and Spill Prevention	Spill Prevention Control and Countermeasure Plans (SPCC) are in place to address material releases and to prescribe materials handling BMP's for the facility. "Good housekeeping" measures will be taken to ensure proper waste disposal.
Wildlife	1) Drill the well outside of the period between December 1 and April 15 for elk. 2) Drill any subsequent wells outside the period the period between December 1 and April 15 for elk. 3) Conduct post-develeoment well site visitations between the hours of 10:00am and 3:00pm and reduce well site vistitations between December 1 and April 15; emergencies exempted. 4) Use hospital grade mufflers for compressors, pump jacks, or other motors necessary to run operations at the site. 5) Interim and final reclamation will match existing communities. 6) Inlcude a weed management plan and implement the plan as part of reclamation. 7) As much as is practicable, build access road to the minimal width and improvement standards.
Storm Water/Erosion Control	Storm Water management plans (SWMP) are in place to comply with both Colorado Department of Public Health and Environment(CDPHE) and Colorado Oil and Gas Conseration Commission(COGCC) stormwater discharge permits. The construction layout for Deal Gulch 2-16 details Best Managment Practices (BMP's) to be installed during initial construcion. Note that BMP's may be removed, altered, or replaced with changing conditions in teh field and the SWMP will be updated accordingly. The BMP's prescribed for the initial construction phase include, but are not limited to: -Construction diversion ditch -Sediment reservoirs -Check dams -Level spreaders -Stabilized construction entrance -Slash -Sediment Traps -Wattles -Terrace -Secondary containment berms -Detention ponds

Total: 3 comment(s)