

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:

400335354

Date Received:

10/25/2012

PluggingBond SuretyID

20030028

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: 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: North Castor Gulch Well Number: 6-16

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

9. Proposed Total Measured Depth: 10289

WELL LOCATION INFORMATION

10. QtrQtr: TR66 Sec: 16 Twp: 5N Rng: 91W Meridian: 6

Latitude: 40.392492 Longitude: -107.605289

Footage at Surface: 1183 feet FNL/FSL 898 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 6987 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 08/09/2012 PDOP Reading: 1.5 Instrument Operator's Name: G.McElroy

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

Footage at Top of Prod Zone: FNL/FSL 1226 FNL 1850 FEL 40 FSL 975 FWL 40
Bottom Hole: FNL/FSL 1226 FNL 1850 FEL 40 FSL 975 FWL 40
Sec: 16 Twp: 5N Rng: 91W Sec: 16 Twp: 5N Rng: 91W

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: 3801 ft

18. Distance to nearest property line: 998 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 338 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 #: CO8473.5

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. The horizontal wellbore will produce from multiple leases. Distance to the nearest Unit boundary is 1033'.

25. Distance to Nearest Mineral Lease Line: 0 26. Total Acres in Lease: 2628

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	10,289	78	5,196	4,396

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 will be run from surface to 5196', with cement from 4396' to 5196'. Production hole will be drilled at 6 3/4". A 5 1/2" production liner will be installed from 4996' to 10,289', uncemented. A 9pt drilling plan is attached outlining this procedure. Item #25. Distance to the nearest Unit boundary is 1033'.

34. Location ID: 428533

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: 10/25/2012 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
400335354	FORM 2 SUBMITTED
400335438	MINERAL LEASE MAP
400335441	LEGAL/LEASE DESCRIPTION
400335444	PLAT
400335448	TOPO MAP
400336437	DEVIATED DRILLING PLAN
400336438	WELLBORE DIAGRAM
400336439	WELLBORE DIAGRAM
400336440	DRILLING PLAN
400340513	DIRECTIONAL DATA

Total Attach: 10 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)