

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:

07/11/2012

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 LP4. COGCC Operator Number: 781105. Address: 4582 S ULSTER ST PKWY #1400City: DENVER State: CO Zip: 802376. Contact Name: Anne Baldrige Phone: (303)305-7555 Fax: (303)305-7554Email: a.baldrige@shell.com7. Well Name: Deal Gulch Well Number: 2-168. Unit Name (if appl): Williams Fork Unit Number: COC74956X9. Proposed Total Measured Depth: 8500

## WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 16 Twp: 5N Rng: 90W Meridian: 6Latitude: 40.387956 Longitude: -107.498253

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

11. Field Name: Wildcat Field Number: 9999912. Ground Elevation: 7210 13. County: MOFFAT

## 14. GPS Data:

Date of Measurement: 06/18/2012 PDOP Reading: 1.6 Instrument Operator's Name: B.Hunting15. 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  
 Bottom Hole: FNL/FSL 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 ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 2270 ft18. Distance to nearest property line: 2770 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 930 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 #: 8471522. Surface Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian23. 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 ☐ No23b. 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):

T5N, R90W: Section 16, All

25. Distance to Nearest Mineral Lease Line: 163 ft

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	156	90	0
SURF	13+1/2	10+3/4	40.5	0	1,500	793	1,500	0
1ST	7+7/8	5+1/2	17	0	8,368	68	8,368	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: 7/11/2012

Email: N.Feck@shell.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 9/21/2012

#### API NUMBER

05 081 07753 00

Permit Number: \_\_\_\_\_ Expiration Date: 9/20/2014

#### 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) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 00 FEET DEEP.

### **Attachment Check List**

Att Doc Num	Name
400304742	FORM 2 SUBMITTED
400304813	WELL LOCATION PLAT
400304814	TOPO MAP
400304815	ACCESS ROAD MAP
400304816	LOCATION DRAWING
400304818	DEVIATED DRILLING PLAN
400304819	DRILLING PLAN
400304820	WELLBORE DIAGRAM
400304823	CONST. LAYOUT DRAWINGS
400304825	DIRECTIONAL DATA
400304905	DIRECTIONAL DATA
400304908	DIRECTIONAL DATA

Total Attach: 12 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	No LGD or public comments. Final Review--passed.	9/18/2012 3:03:05 PM
Permit	Oper. corrected dist. to nearest prop. line to 2770'.	8/31/2012 2:12:37 PM
Permit	Rec'd reply from State Land Board.	3/9/2012 7:17:38 AM
Permit	req'd amended 2A to add well. changed dist. to nearest well to 930'. Added total lease acres--640'. Notified State Land Board of proposed loc.	8/6/2012 11:42:15 AM

Total: 4 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) Include 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 construciton. 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)