

FORM  
2  
Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission  
1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
----	----	----	----

Document Number:  
1635562  
Plugging Bond Surety  
20030028

APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  Recomplete and Operate

2. TYPE OF WELL

OIL  GAS  COALBED  OTHER Pilot  
SINGLE ZONE  MULTIPLE ZONE  COMMINGLE ZONE

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: MICHAEL L. BERGSTROM Phone: (303)222-6347 Fax: (303)222-6258  
Email: MICHAEL.BERGSTROM@SHELL.COM

7. Well Name: HERRING DRAW Well Number: 2-9

8. Unit Name (if appl): Williams Fork Unit Number: COC 74956X

9. Proposed Total Measured Depth: 3867

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 9 Twp: 4N Rng: 90W Meridian: 6  
Latitude: 40.328092 Longitude: -107.507794

Footage at Surface: 2090 feet FSL 2225 feet FEL

11. Field Name: WADDLE CREEK Field Number: 90450

12. Ground Elevation: 6926 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 03/01/2011 PDOP Reading: 2.5 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 FNL/FSL Bottom Hole: FNL/FSL FNL/FSL  
2305 FNL 2030 FEL 1394 FNL 1640 FEL  
Sec: 9 Twp: 4N Rng: 90W Sec: 9 Twp: 4N 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: 4530 ft

18. Distance to nearest property line: 2042 ft 19. Distance to nearest well permitted/completed in the same formation: 820 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 SHALE	NBRR			

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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#: 20030020

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 EXHIBIT A AND EXHIBIT B

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 0 \_\_\_\_\_ 26. Total Acres in Lease: \_\_\_\_\_ 4800 \_\_\_\_\_

**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
SURF	13+1/2	10+3/4	40.5	0	500	133	500	0
1ST	9+7/8	7+5/8	29.7	0	2,571	58	2,571	1,950
OPEN HOLE	6+3/4			0	3,867	0		

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

33. Comments THIS IS A SECOND DRILL HOLE AT THE SAME SURFACE LOCATION AS HERRING 1-9. TWO APDS ARE BEING SUBMITTED FOR HERRING 2-9; ONE FOR THE PILOT HOLE AND ONE FOR THE HORIZONTAL HOLE. SEE ATTACHED DRILLING AND COMPLETIONS PLAN FOR FURTHER EXPLANATION. THIS APD IS FOR THE PILOT HOLE.

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: MICHAEL BERGSTROM

Title: SR REGULATORY ADVISOR Date: 4/15/2011 Email: MICHAEL.BERGSTROM@SH

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. Nesline Director of COGCC Date: 8/2/2011

Permit Number: \_\_\_\_\_ Expiration Date: 8/1/2013

API NUMBER

05 081 07667 00

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 MOISTURE CONTENT OF ANY DRILL CUTTINGS IN A CUTTINGS PIT, TRENCH, OR PILE SHALL BE AS LOW AS PRACTICABLE TO PREVENT ACCUMULATION OF LIQUIDS GREATER THAN DE-MINIMIS AMOUNTS. AT THE TIME OF CLOSURE, THE DRILL CUTTINGS MUST ALSO MEET THE APPLICABLE STANDARDS OF TABLE 910-1.

(3) CEMENT ON PRODUCTION CASING MUST BE AT LEAST 200' ABOVE TOP OF FT. UNION AND COMPLY WITH RULES 209 AND 317.I. SEGREGATE OIL, GAS, AND FRESH-WATER-BEARING ZONES AND PROTECT COAL SEAMS. VERIFY TOP WITH CBL.

(4) NO PORTION OF ANY PIT THAT WILL BE USED TO HOLD LIQUIDS SHALL BE CONSTRUCTED ON FILL MATERIAL, UNLESS THE PIT AND FILL SLOPE ARE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER, SUBJECT TO REVIEW AND APPROVAL BY THE DIRECTOR PRIOR TO CONSTRUCTION OF THE PIT. THE CONSTRUCTION AND LINING OF THE PIT SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER OR THEIR AGENT. THE ENTIRE BASE OF THE PIT MUST BE IN CUT.

(5) THE 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.

Before placing oil/salt based muds in the pit, operator must file and receive prior approval of a Pit Permit, Form 15. COGCC regulations regarding pit permits can be found in Rule 903.a.(3). PIT PERMITTING/REPORTING REQUIREMENTS.

### **Attachment Check List**

Att Doc Num	Name
1635562	APD ORIGINAL
1635563	WELL LOCATION PLAT
1635564	TOPO MAP
1635565	LEGAL/LEASE DESCRIPTION
1635566	MINERAL LEASE MAP
1635567	DEVIATED DRILLING PLAN
1635568	DRILLING PLAN

Total Attach: 7 Files

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Williams Fork federal unit has been approved	8/1/2011 5:23:05 PM
Permit	Changed top of production footages per Aleta Brown	6/14/2011 10:25:56 AM
Permit	Changed distance to nearest cultural feature to 4,530' and distance to nearest well to 820'	5/11/2011 5:12:16 PM
Permit	Added plugging bond as instructed by Opr-Michael. sf	5/6/2011 3:13:42 PM
Data Entry	SEE 1635569 SIDETRACK/LATERAL. DIRECTIONAL INFORMATION FOR TOP OF PROD ZONE WAS OMITTED BY OPERATOR. CHECK ENTRY. CHECK MINERAL OWNERSHIP.	5/5/2011 12:06:24 PM

Total: 5 comment(s)

**BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>

Total: 0 comment(s)