


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>			Document Number:  1635569  Plugging Bond Surety  20030028				
1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER <u>Lateral</u> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input checked="" type="checkbox"/>					
3. Name of Operator: <u>SWEPI LP</u>		4. COGCC Operator Number: <u>78110</u>					
5. Address: <u>4582 S ULSTER ST PKWY #1400</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80237</u>							
6. Contact Name: <u>MICHAEL J. BERGSTROM</u> Phone: <u>(303)222-6347</u> Fax: <u>(303)222-6258</u> Email: <u>MICHAEL.BERGSTROM@SHELL.COM</u>							
7. Well Name: <u>HERRING DRAW</u>		Well Number: <u>2-9</u>					
8. Unit Name (if appl): <u>Williams Fork</u>		Unit Number: <u>COC 74956X</u>					
9. Proposed Total Measured Depth: <u>6500</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>NWSE</u> Sec: <u>9</u> Twp: <u>4N</u> Rng: <u>90W</u> Meridian: <u>6</u> Latitude: <u>40.328092</u> Longitude: <u>-107.507794</u>							
Footage at Surface: <u>2090</u> feet    FNL/FSL <u>FSL</u> <u>2225</u> feet    FEL/FWL <u>FEL</u>							
11. Field Name: <u>WADDLE CREEK</u>		Field Number: <u>90450</u>					
12. Ground Elevation: <u>6926</u>		13. County: <u>MOFFAT</u>					
14. GPS Data: Date of Measurement: <u>03/01/2011</u> PDOP Reading: <u>2.5</u> Instrument Operator's Name: <u>B. HUNTING</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone:    FNL/FSL    FEL/FWL    Bottom Hole:    FNL/FSL    FEL/FWL <u>2305</u> <u>FNL</u> <u>2030</u> <u>FEL</u> <u>524</u> <u>FSL</u> <u>2273</u> <u>FWL</u> Sec: <u>9</u> Twp: <u>4N</u> Rng: <u>90W</u> Sec: <u>33</u> Twp: <u>5N</u> Rng: <u>90W</u>							
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>4530 ft</u>							
18. Distance to nearest property line: <u>2042 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>820 ft</u>							
<b>20. LEASE, SPACING AND POOLING INFORMATION</b>							
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 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

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
2ND	6+3/4	5+1/2	17	0	6,500	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 HORIZONTAL HOLE.

34. Location ID: 392134

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 01

**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
1635569	APD ORIGINAL
1635570	WELL LOCATION PLAT
1635571	TOPO MAP
1635572	MINERAL LEASE MAP
1635573	DEVIATED DRILLING PLAN
1635574	LEGAL/LEASE DESCRIPTION
1635575	DRILLING PLAN
1635576	CORRESPONDENCE
2089449	LEGAL/LEASE DESCRIPTION
2089451	MINERAL LEASE MAP
2112890	CORRESPONDENCE
2112891	FED. DRILLING PERMIT
2112892	DRILLING PLAN
2112893	SURFACE PLAN

Total Attach: 14 Files

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**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 5:21:36 PM
Permit	Changed top of production footages per Aleta Brown	6/14/2011 10:23:35 AM
Permit	Changed the distance to nearest cultural feature to 4,530' and distance to nearest well to 820'	5/12/2011 12:45:36 PM
Engineer	changed (corrected) top of prod zone section & township (see well plats). Top of production zone is in same section as SHL.	5/11/2011 11:40:52 AM
Permit	Plugging bond added as directed by opr-Michael. sf	5/6/2011 3:08:29 PM
Data Entry	WELL LOCATION INFORMATION: CHECK FOOTAGE AT TOP OF PROD ZONE - SEC, TN, RANGE SIDETRACK ENTERED BY OPERATOR, OMITTED BY DATA ENTRY IN ORDER TO SUBMIT FORM. SEE 1635562 FOR PILOT HOLE CHECK MINERAL OWNERSHIP	5/5/2011 9:39:17 AM

Total: 6 comment(s)

**BMP**

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

Total: 0 comment(s)