


<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:  1638092  Plugging Bond Surety  20110028				
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 _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input 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 L BERGSTROM</u> Phone: <u>(303)222-6347</u> Fax: <u>(303)222-6358</u> Email: <u>MICHAEL.BERGSTROM@SHELL.COM</u>							
7. Well Name: <u>HERRING DRAW</u>		Well Number: <u>1-9</u>					
8. Unit Name (if appl): <u>Williams Fork</u>		Unit Number: <u>COC 74956X</u>					
9. Proposed Total Measured Depth: <u>6461</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>40.327958</u> Longitude: <u>-107.507844</u>							
Footage at Surface: <u>2042</u> feet    FNL/FSL <u>FSL</u> <u>2238</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>A FLOYD</u>							
15. If well is <input checked="" type="checkbox"/> Directional <input 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>1800</u> <u>FSL</u> <u>2320</u> <u>FWL</u> <u>1307</u> <u>FSL</u> <u>2377</u> <u>FWL</u> Sec: <u>9</u> Twp: <u>4N</u> Rng: <u>90W</u> Sec: <u>9</u> Twp: <u>4N</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>900 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 "EXHIBITA" AND "EXHIBIT B"

25. Distance to Nearest Mineral Lease Line: 650 ft 26. Total Acres in Lease: 2080

**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	2,791	60	2,791	2,150

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

33. Comments PILOT HOLE FORM 15 # 1638089

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 L BERGSTROM

Title: SR REGULATORY ADVISOR Date: 4/6/2011 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. Neslin Director of COGCC Date: 8/2/2011

**API NUMBER**

05 081 07668 00

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

**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.**

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.

(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) 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.

(3) RESERVE PIT MUST BE LINED.

(4) OPERATOR MUST ENSURE 110 PERCENT SECONDARY CONTAINMENT FOR ANY VOLUME OF FLUIDS CONTAINED AT WELL-SITE DURING DRILLING AND COMPLETION OPERATIONS. IF FLUIDS ARE CONVEYED VIA PIPELINE, OPERATOR MUST IMPLEMENT BEST-MANAGEMENT-PRACTICES TO CONTAIN ANY UNINTENTIONAL RELEASE OF FLUIDS.

(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.

### **Attachment Check List**

Att Doc Num	Name
1638092	APD ORIGINAL
1638106	WELL LOCATION PLAT
1638107	TOPO MAP
1638108	WELLBORE DIAGRAM
1638109	LEASE MAP
1638110	LEGAL/LEASE DESCRIPTION
2089430	DEVIATED DRILLING PLAN
2089432	WELL LOCATION PLAT
2089450	MINERAL LEASE MAP
2112886	CORRESPONDENCE
2112887	FED. DRILLING PERMIT
2112888	DRILLING PLAN
2112889	SURFACE PLAN

Total Attach: 13 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 5:19:49 PM
Permit	Changed top of production footages per Aleta Brown	6/14/2011 10:13:25 AM
Permit	Changed distance to nearest well, Stover 1-9, to 900'	5/3/2011 5:38:26 PM
Permit	Distance to road changed to 4,530' per Aleta Brown	4/26/2011 11:03:55 AM
Permit	Corrected bhl and attached directional plan, removed incorrect well location plat and attached correct version	4/25/2011 11:27:05 AM
Permit	Completed initial review, operator notified of deficiencies Changed commingle to no and well type to directional Added plugging bond information and location id	4/18/2011 11:13:35 AM
Permit	Needs plugging bond, clarification on surf bond or lease, check on amending location or new as well is 141' from Ray Durham 1. sf	4/11/2011 1:32:43 PM

Total: 7 comment(s)

**BMP**

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

Total: 0 comment(s)