

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:

400446801

Date Received:

07/12/2013

PluggingBond SuretyID

20110182

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: SWIFT ENERGY OPERATING LLC4. COGCC Operator Number: 103885. Address: 16825 NORTHCHASE DRIVE #400City: HOUSTON State: TX Zip: 770606. Contact Name: Amanda Stenjem Phone: (970)382-7256 Fax: (970)382-7259Email: stenjem@ecosphere-services.com7. Well Name: Waters 34-12-32Well Number: 1H

8. Unit Name (if appl): _____

Unit Number: _____

9. Proposed Total Measured Depth: 6840

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 32 Twp: 34N Rng: 12W Meridian: MLatitude: 37.151270Longitude: -108.181750

Footage at Surface: 1399 feet FNL/FSL 235 feet FEL/FWL
 FNL FWL

11. Field Name: WildcatField Number: 9999912. Ground Elevation: 691913. County: LA PLATA

14. GPS Data:

Date of Measurement: 04/23/2013 PDOP Reading: 2.2 Instrument Operator's Name: Scott Weibe15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
1289 FNL 585 FEL 908 FNL 638 FWL
 Sec: 31 Twp: 34N Rng: 12W Sec: 31 Twp: 34N Rng: 12W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 2520 ft18. Distance to nearest property line: 195 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 14513 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	545-1	643	N/2

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. 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):

NW/4 Section 32 T34N R12W

25. Distance to Nearest Mineral Lease Line: 235 ft

26. Total Acres in Lease: 160

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	12+1/4	9+5/8	36#	0	1,450	780	1,540	0
2ND	8+1/2	5+1/2	20#	0	6,840	0	6,840	0

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

33. Comments _____

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: Amanda Stenjem

Title: Permit Specialist Date: 7/12/2013 Email: stenjem@ecosphere-services.

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
400446801	FORM 2 SUBMITTED
400446962	WELLBORE DIAGRAM
400446963	DIRECTIONAL DATA

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	This permit will become the lateral.	7/12/2013 10:36:58 AM

Total: 1 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Construction	Topsoil will be segregated and stored separately from subsurface materials to avoid mixing during construction, storage, and interim restoration. Topsoil stockpiles will be vegetated with environmentally friendly seed mix to minimize erosion and maximize reclamation potential.
Drilling/Completion Operations	<p>Prior to drilling, the location around the wellbore will be slightly crowned to divert fluids to a flow ditch. Swift will provide notice to the appropriate regulatory agency at least 24 hours prior to the commencement of any cementing operations and will maintain a copy of the cementing records at the well site during the drilling and completion of the well.</p> <p>Routine pre-drilling assessment of all potentially affected groundwater wells will be conducted. Post-drilling testing for all wells within 1,000 ft. will also be conducted to enable improved understanding of the potential for effects on groundwater.</p>
Final Reclamation	<p>Current site conditions, to include landscape conditions and characteristics, should be evaluated and documented prior to disturbance. This will provide baseline data on the original conditions for restoration at a later date.</p> <p>Low Compaction grading techniques will be used during final grading to minimize compacting soils.</p>
Interim Reclamation	Any topsoil not respread will remain stockpiled and vegetated to prevent it from eroding and to help maintain its biological viability. The portions of the cleared well site not needed for operational safety purposes will be recontoured to a final or intermediate contour that blends with the surrounding original topography.
Interim Reclamation	A pre-construction inventory shall be performed within the anticipated areas of disturbance to determine the appropriate prevention methods, predict control needs, and assess the level of responsibility for management. The objective is to document established target invasive plants. Target invasive plant infestations that reproduce prolifically from rhizome/root segments prior to disturbance will be pre-treated.
Material Handling and Spill Prevention	All waste stored on-site must be protected from rain and stored away from drainage ways and receiving waters. In the event of fuel storage containment leaks or other spills, instructions will be posted on site and the SWMP administrator must be contacted. All spills must be reported immediately to applicable federal, state, and local regulatory agencies. The Spill Kit will be located in the designated stabilized staging area. Double-walled tanks will be used for the storage of chemicals and liquids.
Planning	Operations should avoid riparian areas, floodplains, lakeshores, wetlands, and areas subject to severe erosion and mass soil movement. Well should be designed to fit within the landscape and minimize excessive "cut and fill" construction practices.

Total: 7 comment(s)