

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:

400393044

Date Received:

04/01/2013

PluggingBond SuretyID

20100117

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: SUNDANCE ENERGY INC

4. COGCC Operator Number: 10340

5. Address: 633 17TH STREET #1950

City: DENVER State: CO Zip: 80202

6. Contact Name: Jeff Reale Phone: (970)663-1448 Fax: (970)667-0046

Email: jeff@mistymountainop.com

7. Well Name: Bangert Well Number: 19-42

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 7750

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 19 Twp: 2N Rng: 66W Meridian: 6

Latitude: 40.129850 Longitude: -104.811550

Footage at Surface: 364 feet FNL/FSL 274 feet FEL/FWL FEL

11. Field Name: Spindle Field Number: 77900

12. Ground Elevation: 4872 13. County: WELD

14. GPS Data:

Date of Measurement: 02/13/2013 PDOP Reading: 1.8 Instrument Operator's Name: C.V.M.

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1979 FNL 661 FEL 1979 FNL 661 FEL  
Sec: 19 Twp: 2N Rng: 66W Sec: 19 Twp: 2N Rng: 66W

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: 340 ft

18. Distance to nearest property line: 274 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 922 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.)
Codell/Niobrara	NB-CD	407-87	80	E/2NE4

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#: \_\_\_\_\_

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):

E/2 NE/4 Section 19, T2N, R66W

25. Distance to Nearest Mineral Lease Line: 661 ft

26. Total Acres in Lease: 80

### 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	8+5/8	24	0	770	450	770	0
1ST	7+7/8	4+1/2	11.5	0	7,750	580	7,750	3,000

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

33. Comments No conductor casing will be set

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: Jeff Reale

Title: Agent Date: 4/1/2013 Email: jeff@mistymountainop.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: 5/17/2013

#### API NUMBER

05 123 37364 00

Permit Number: \_\_\_\_\_ Expiration Date: 5/16/2015

#### 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)Note surface casing setting depth change from 700' to 770'. Increase cement coverage accordingly and cement to surface.
- 2)Provide notice of MIRU via an electronic Form 42.
- 3)Comply with Rule 317.i and provide cement coverage to a minimum of 200' above the Niobrara and from 200' below Sussex to 200' above Sussex. Verify cement coverage with a cement bond log per 317.o.

Operator must meet Water Well Testing requirements as per amended Rule 318Ae(4)

### **Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

### **Attachment Check List**

Att Doc Num	Name
2482319	SURFACE CASING CHECK
400393044	FORM 2 SUBMITTED
400393056	DEVIATED DRILLING PLAN
400393057	WELL LOCATION PLAT
400393058	TOPO MAP
400397813	SURFACE AGRMT/SURETY
400399123	DIRECTIONAL DATA
400399124	EXCEPTION LOC WAIVERS
400399125	EXCEPTION LOC REQUEST

Total Attach: 9 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Corrected mud disposal type to Land Spreading as per opr. Final Review Complete.	5/7/2013 10:58:33 AM
Permit	Corrected distances to nearest lease line and well in same formation as per opr. Opr states that the BMP for Anti-collision and Frac Stim are not needed because the existing Bangert 41-19 & 42-19 are Sussex wells that TD around 4700' and they will be more than 2000' vertically from the CD-NB targeted frac stims.	4/18/2013 12:11:58 PM
Permit	Requested opr to send corrected figures for #19 & #24. Also needs BMP for Anti-collision/Frac monitoring for the Bangert 42-19.	4/15/2013 1:08:50 PM
Permit	Operator supplied directional template, lease description and labeled attachments.	4/3/2013 12:43:20 PM
Permit	Returned to draft. Requested directional template, lease description, and for operator to label attachments.	4/2/2013 9:40:36 AM

Total: 5 comment(s)

### **BMP**

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