

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



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#### APPLICATION FOR PERMIT TO:

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

#### 2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_  
SINGLE ZONE ☐ MULTIPLE ☒ COMMINGLE ☒

Refilling ☐  
Sidetrack ☐

Document Number:

400194593

Plugging Bond Surety

20100117

3. Name of Operator: SUNDANCE ENERGY INC

4. COGCC Operator Number: 10340

5. Address: 380 INTERLOCKEN CRESCENT - STE #601

City: BROOMFIELD State: CO Zip: 80021

6. Contact Name: Kallasandra Moran Phone: (303)928-7128 Fax: (303)962-6327

Email: kmoran@petro-fs.com

7. Well Name: May Jon Well Number: 5S 8

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

9. Proposed Total Measured Depth: 8000

#### WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 5 Twp: 2N Rng: 68W Meridian: 6

Latitude: 40.161970 Longitude: -105.034390

Footage at Surface: 476 feet FNL/FSL 633 feet FEL/FWL 633 feet FSL 633 feet FWL 633 feet

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4932 13. County: WELD

#### 14. GPS Data:

Date of Measurement: 07/19/2011 PDOP Reading: 1.9 Instrument Operator's Name: Owen Mckee/PFS

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

Footage at Top of Prod Zone: FNL/FSL 121 FSL 1240 FWL 1240 Bottom Hole: FNL/FSL 0 FSL 1333 FWL 1333  
Sec: 5 Twp: 2N Rng: 68W Sec: 5 Twp: 2N Rng: 68W

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: 452 ft

18. Distance to nearest property line: 476 ft 19. Distance to nearest well permitted/completed in the same formation: 903 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.)
Cordell	CODL	407-87	160	E/2,SW/4,&E/2,SE/4
J sand	JSND	232-23	160	E/2,SW/4,&E/2,SE/4
Niobrara	NBRR	407-87	160	E/2,SW/4,&E/2,SE/4
Sussex	SUSX	0	160	E/2,SW/4,&E/2,SE/4

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):

SW/4 Section: 5, T2N-R68W

25. Distance to Nearest Mineral Lease Line: 400 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	8+5/8	24	0	770	500	770	0
1ST	7+7/8	4+1/2	11.6	0	8,000	600	8,000	0

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

33. Comments The location does NOT require a variance from any of the rules listed in Rule 306.d. (1). (A). (ii). The location is NOT in a restricted surface occupancy area. The location is NOT a sensitive wildlife habitat area. No conductor casing will be set. Closest property line is 55' west to same land owner. Next closest property line is 476' to different land owner. An E&P Waste Management Plan is in process and will be submitted under separate cover.

34. Location ID: 336191

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: Kallasandra M. Moran

Title: Regulatory Analyst Date: \_\_\_\_\_ Email: kmoran@petro-fs.com

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
400198290	30 DAY NOTICE LETTER
400198291	PLAT
400198292	TOPO MAP
400198293	DEVIATED DRILLING PLAN

Total Attach: 4 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Final Reclamation	All surface restoration shall be accomplished to the satisfaction of Owner. All reseeding shall be done with grasses consistent with the Rocky Mountain native mix or other grasses reasonably requested by surface owner and during planting period suggested by Owner. Final reclamation shall be completed to the reasonable satisfaction of the Owner as soon as practical after installation (weather permitting) and in accordance with regulatory agency standards (BLM/COGCC).
Construction	Remove only the minimum amount of vegetation necessary for the construction of roads and facilities. Conserve topsoil during excavation and reuse as cover on disturbed areas to facilitate regrowth of vegetation. No construction or routine maintenance activities will be performed during periods when the soil is too wet to adequately support construction equipment.
Storm Water/Erosion Control	Use water bars, and other measures to prevent erosion and non-source pollution. Implement and maintain BMPs to control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation. Co-locate gas and water gathering lines whenever feasible, and mitigate any erosion problems that arise due to the construction of any pipeline(s).
Site Specific	Fence the well site after drilling to restrict public and wildlife access. Keep well site location, the road, and the pipeline easement free of noxious weeds, litter and debris. Spray for noxious weeds, and implement dust control, as needed. Sundance Energy Inc. will not permit the release or discharge of any toxic or hazardous chemicals or wastes on Owner's Land. Construct and maintain gates where any roads used by Sundance Energy Inc. cross through fences on the leased premises.
Planning	When feasible develop multiple well sites by using directional drilling to reduce cumulative impacts and adverse impacts on wildlife resources.
Drilling/Completion Operations	Use a closed-loop drilling mud system to preclude the use of an earthen reserve pits when available.
Interim Reclamation	Utilize only such area around each producing well as is reasonably necessary. Restore the remainder of the well site location to its original condition within a reasonable time after the completion of operations. All reseeding shall be done with grasses consistent with the Rocky Mountain native mix or other grasses reasonably requested by surface owner and during planting period suggested by Owner.

Total: 7 comment(s)