

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 ZONE ☐ COMMINGLE ZONE ☐

Refiling ☒

Sidetrack ☐

Document Number:

1784111

Plugging Bond Surety

19940078

3. Name of Operator: STRACHAN EXPLORATION, INC

4. COGCC Operator Number: 83130

5. Address: 383 INVERNESS PKWY, STE 360

City: ENGLEWOOD State: CO Zip: 80112

6. Contact Name: BILL CLAXTON Phone: (303)785-7006 Fax: (303)785-7012  
Email: BILL@STRACHANEXPLORATION.COM

7. Well Name: ABRAMS Well Number: 11-1

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

9. Proposed Total Measured Depth: 5000

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 11 Twp: 20S Rng: 49W Meridian: 6

Latitude: 38.337590 Longitude: -102.860690

Footage at Surface: 660 FNL/FSL FNL FEL/FWL FEL

11. Field Name: MCCLAVE Field Number: 53600

12. Ground Elevation: 4044.6 13. County: KIOWA

14. GPS Data:

Date of Measurement: 05/30/2007 PDOP Reading: 2.0 Instrument Operator's Name: KEITH WESTFALL

15. 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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 660 ft

18. Distance to nearest property line: 660 ft 19. Distance to nearest well permitted/completed in the same formation: 3700 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.)
MORROW	MRRW	105-44	640	SEC. 11 ALL

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#: 19990084

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):  
NE/4 SEC. 11-T20S-R49W-6TH P.M.

25. Distance to Nearest Mineral Lease Line: 660 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	400	150	400	0
1ST	7+7/8	4+1/2	10.5	4,800	150	4,800	4,100
			Stage Tool	1,100	150	1,160	400

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

33. Comments SET 4-1/2" CASING WITH A ROTARY RIG. MIRU COMPLETION RIG AND DRILL TO 5000' WITH AIR/MIST. 30 DAY LAND OWNER NOTICE AND RULE 306 CONSULTATION ADDRESSED IN ATTACHED SURFACE AGREEMENT. ALL CONDITIONS THE SAME EXCEPT OHPL PER B. CLAXTON 08/06/09.

34. Location ID: 324924

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: C. WILLIAM CLAXTON

Title: ENGINEER Date: 8/7/2009 Email: BILL@STRACHANEXPLORATI

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: 12/11/2009

#### API NUMBER

05 061 06825 00

Permit Number: \_\_\_\_\_ Expiration Date: 12/10/2011

#### 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) Provide 24 hour notice of MIRU to Mike Leonard at 719-767-2805 or e-mail at mike.leonard@ state.co.us. 2) If production casing is set provide cement coverage to at least 200' above Morrow, and stage cement Cheyenne Dakota zones (50' below to 50' above minimum, 1160' - 650' or to surface casing shoe as proposed). Run CBL to verify primary and stage cement jobs. 3) If well is a dry hole set the following plugs: 40 sks cement 50' above the Morrow, 40 sks cement above any DST zone, 40 sks cement below base of Cheyenne (1160' up), 40 sks cement at top of Cheyenne (910' up), 40 sks cement above top of Dakota (650' up), 50 sks cement from 50' below surface casing shoe up into surface casing, 10 sks cement in top of surface csg, cut 4 ft below GL, weld on plate, 5 sks cement in rat hole and mouse hole.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
1940483	SURFACE CASING CHECK	LF@2138447 1940483
400023650	APD ORIGINAL	LF@2119563 400023650

Total Attach: 2 Files