

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:

400277943

Date Received:

04/27/2012

PluggingBond SuretyID

20080067

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: VECTA OIL & GAS LTD

4. COGCC Operator Number: 10267

5. Address: 575 UNION BLVD #208

City: LAKEWOOD State: CO Zip: 80228

6. Contact Name: Mathew Goolsby Phone: (303)618-7736 Fax: (303)945-2869

Email: matgoolsby@vecta-denver.com

7. Well Name: Crestone Well Number: 33-17

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

9. Proposed Total Measured Depth: 5600

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 17 Twp: 14s Rng: 47w Meridian: 6

Latitude: 38.828900 Longitude: -102.692470

Footage at Surface: 2156 feet FSL 2099 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4255 13. County: CHEYENNE

14. GPS Data:

Date of Measurement: 03/23/2012 PDOP Reading: 1.5 Instrument Operator's Name: Sally Pettibone

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: 3150 ft

18. Distance to nearest property line: 2099 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2400 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			
Spergen	SPGN			

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):

All of section 17, T14s, R47w, 6th PM

25. Distance to Nearest Mineral Lease Line: 2099 ft

26. Total Acres in Lease: 640

### 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	400	250	400	0
1ST	7+7/8	5+1/2	15.5	0	5,450	215	215	3,900
	7+7/8	5+1/2	Stage Tool	0	2,950	450	2,950	0

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

33. Comments 1) No conductor pipe is planned 2) Will set DV tool Stone Corral, with cement pumped to surface to protect Cheyenne and Dakota aquifers

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: Mathew Goolsby

Title: VP-Operations Date: 4/27/2012 Email: matgoolsby@vecta-denver.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:  Director of COGCC Date: 5/25/2012

API NUMBER

05 017 07717 00

Permit Number: \_\_\_\_\_ Expiration Date: 5/24/2014

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 48 hour notice prior to spud via electronic Form 42.
- 2) If production casing is set provide cement coverage to at least 200' above the shallowest completed interval and stage cement Cheyenne/Dakota (2250'-1500' minimum). Run and submit CBL to verify cemented intervals.
- 3) If well is a dry hole set plugs at the following depths: 40 sks cement +/- 50' above the STLS, 40 sks cement +/- 50' above the MRRW, 40 sks cement across any DST w/ show, 40 sks cement at 2250' up, 40 sks cement at 1500' up, 50 sks cement from 50' below surface casing shoe up into surface casing, 15 sks cement in top of surface casing, cut 4 ft below GL, weld on plate, 5 sks cement each in rat hole and mouse hole.

### **Attachment Check List**

Att Doc Num	Name
400277943	FORM 2 SUBMITTED
400278112	WELL LOCATION PLAT
400278113	TOPO MAP
400278114	SURFACE AGRMT/SURETY

Total Attach: 4 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final Review passed 5/24/2012 NKP	5/24/2012 1:57:02 PM
Permit	Mud disposal changed to offsite, disposal facility per opr (see correspondence attached to Location)	5/21/2012 10:39:31 AM

Total: 2 comment(s)

### **BMP**

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

Total: 0 comment(s)