

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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Document Number:

2582908

Plugging Bond Surety

20080067

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 ☐

3. Name of Operator: VECTA OIL & GAS LTD

4. COGCC Operator Number: 10267

5. Address: 5920 CEDAR SPRINGS ROAD - STE 200

City: DALLAS State: TX Zip: 75235

6. Contact Name: MATTHEW GOOLSBY Phone: (303)618-7736 Fax: (303)945-2869
Email: MATGOOLSBY@VECTA-DENVER.COM

7. Well Name: TORREYS Well Number: 44-33

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 5700

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 33 Twp: 13S Rng: 47W Meridian: 6

Latitude: 38.868500 Longitude: -102.669310

Footage at Surface: 645 FNL/FSL FSL 646 FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4305 13. County: CHEYENNE

14. GPS Data:

Date of Measurement: 05/25/2010 PDOP Reading: 2.4 Instrument Operator's Name: NEAL MCCORMICK

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: 4631 ft

18. Distance to nearest property line: 645 ft 19. Distance to nearest well permitted/completed in the same formation: 6600 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.)
LANSING/KC	LGKC			
MARMATON	MRTN			
MORROW	MRRW			

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#: 20100132

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 Bon ☐ \$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 33, T13S, R47W, 6TH PM

25. Distance to Nearest Mineral Lease Line: 645 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 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	250	400	0
1ST	7+7/8	5+1/2	15.5	5,540	215	5,540	3,850
			Stage Tool	3,050	305	3,050	0

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

33. Comments NO CONDUCTOR PIPE IS PLANNED. DV TOOL AT 3050' 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: VICE PRESIDENT Date: 7/1/2010 Email: MATGOOLSBY@VECTA-DEN

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: 9/8/2010

API NUMBER

05 017 07699 00

Permit Number: _____ Expiration Date: 9/7/2012

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 Craig Quint at 719-767-8939 or e-mail at craig.quint@state.co.us.
- 2) If production casing is set provide cement coverage to at least 200' above the shallowest completed interval. Ensure cement coverage of Cheyenne/Dakota interval (2450' – 1600'). Run CBL to verify cemented intervals.
- 3) If well is a dry hole set the following plugs: 40 sks cement +/- 50' above the Morrow, 40 sks cement across any DST w/ show, 40 sks cement 100' below base of Cheyenne (2450' up), 40 sks cement at top of Cheyenne (2050' up), 40 sks cement 50' above top of Dakota (1600' 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 each in rat hole and mouse hole.

- 1.To the extent practicable, the Operator shall implement Interim Site Reclamation immediately after well completion activities.
- 2.The Operator shall schedule and conduct site construction, drilling and completion activities to the extent practicable to minimize impacts to wildlife during antelope and deer hunting seasons.
- 3.The location may be in a sensitive area due to shallow groundwater; therefore if drilling pits intercept groundwater the pits must be lined or a closed loop system used. In addition, pits shall be closed after drilling and any completion work shall be conducted using lined pits or steel tanks.
- 4.To aid in establishing baseline groundwater conditions in the area, the Operator shall collect and analyze a groundwater sample from one water well in the vicinity of the proposed well location. This water well has been identified as Colorado Division of Water Resources permit number 17219 n in the Northwest Quarter of the Northwest Quarter of Section 3, Township 14 South, Range 47 West. Water samples shall be analyzed for parameters required in Rule 318.A.e.(4) E and F. Copies of all test results described above shall be provided via Sundry Notice, Form 4, to the COGCC and the water well owner within three (3) months of collecting the samples. The analytical data and surveyed well location shall also be submitted to the COGCC Director in an electronic data deliverable format. The Operator shall make a good faith effort to conduct initial baseline testing of the selected water well prior to the spudding of the proposed well; however, not conducting baseline testing because access to water wells cannot be obtained shall not be grounds for denial of an Application for Permit-to-Drill, Form 2.

Attachment Check List

Att Doc Num	Name	Doc Description
2556836	SURFACE CASING CHECK	LF@2517715 2556836
2582908	APD ORIGINAL	LF@2502870 2582908
2582909	WELL LOCATION PLAT	LF@2519800 2582909
2582910	TOPO MAP	LF@2519801 2582910
2582917	30 DAY NOTICE LETTER	LF@2502873 2582917
2582918	OTHER	LF@2502876 2582918
2586350	CORRESPONDENCE	LF@2533870 2586350

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED	9/1/2010 10:06:22 AM
Permit	Change distance to nearest well, add W/L Name Related Forms, add Wildcat Field Name, changed well name from Torreys 33-44 to Torreys 44-33, scanned Well Plat and Topo with correct name and uploaded to eforms.	8/9/2010 1:18:11 PM

Total: 2 comment(s)

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