

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:

400364071

Date Received:

01/14/2013

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

PluggingBond SuretyID

20090217

3. Name of Operator: ENTEK GRB LLC

4. COGCC Operator Number: 10323

5. Address: 535 16TH STREET #620

City: DENVER State: CO Zip: 80202

6. Contact Name: Kimberly Rodell Phone: (303)820-4480 Fax: (303)820-4124

Email: kim@banko1.com

7. Well Name: FRU Federal Well Number: 4-14

8. Unit Name (if appl): Focus Ranch Unit Number: COC63212X

9. Proposed Total Measured Depth: 9150

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 4 Twp: 11N Rng: 88W Meridian: 6

Latitude: 40.937136 Longitude: -107.271669

Footage at Surface: 614 feet FNL/FSL FSL 1735 feet FEL/FWL FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 7982 13. County: ROUTT

14. GPS Data:

Date of Measurement: 07/09/2012 PDOP Reading: 1.9 Instrument Operator's Name: Dave Fehringer

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: 5280 ft

18. Distance to nearest property line: 614 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 5764 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.)
Deep Creek	DPCK			
Frontier	FRTR			
Niobrara	NBRR			

21. Mineral Ownership: Fee State Federal Indian Lease #: COC59491

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):
 T11N R88W Sec. 3: S2N2, SW, SWSE, Lots 5-8; Sec. 4: S2N2, S2, Lots: 5-8; Sec. 10: NE, S2; Sec. 15: SE

25. Distance to Nearest Mineral Lease Line: 614 ft 26. Total Acres in Lease: 1806

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: Buried onsite

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
CONDUCTOR	20	16		0	60		60	0
SURF	12+1/4	9+5/8	36	0	2,500	568	2,500	0
1ST	8+3/4	7	23	0	9,150	820	9,150	1,200

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

33. Comments A closed loop system will be utilized. The cuttings will be dried and buried onsite in an approved pit. The closest public road to the location is an existing two track.

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: Kimberly Rodell

Title: Permit Agent Date: 1/14/2013 Email: kim@banko1.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: 4/3/2013

API NUMBER 05 107 06255 00	Permit Number: _____	Expiration Date: <u>4/2/2015</u>
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) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) CEMENT ON PRODUCTION CASING MUST BE AT LEAST 200' ABOVE TOP OF FT. UNION AND COMPLY WITH RULES 209 AND 317.I. SEGREGATE OIL, GAS, AND FRESH-WATER-BEARING ZONES AND PROTECT COAL SEAMS. VERIFY TOP WITH CBL.

(3) THE MOISTURE CONTENT OF ANY DRILL CUTTINGS IN A CUTTINGS PIT, TRENCH, OR PILE SHALL BE AS LOW AS PRACTICABLE TO PREVENT ACCUMULATION OF LIQUIDS GREATER THAN DE-MINIMIS AMOUNTS. AT THE TIME OF CLOSURE, THE DRILL CUTTINGS MUST ALSO MEET THE APPLICABLE STANDARDS OF TABLE 910-1.

(4) NO PORTION OF ANY PIT THAT WILL BE USED TO HOLD LIQUIDS SHALL BE CONSTRUCTED ON FILL MATERIAL, UNLESS THE PIT AND FILL SLOPE ARE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER, SUBJECT TO REVIEW AND APPROVAL BY THE DIRECTOR PRIOR TO CONSTRUCTION OF THE PIT. THE CONSTRUCTION AND LINING OF THE PIT SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER OR THEIR AGENT. THE ENTIRE BASE OF THE PIT MUST BE IN CUT.

Applicable Policies and Notices to Operators

NW Colorado Notification Policy.

Attachment Check List

Att Doc Num	Name
2106541	CORRESPONDENCE
2106544	CORRESPONDENCE
400364071	FORM 2 SUBMITTED
400369454	PLAT
400369455	DRILLING PLAN
400369456	TOPO MAP

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
LGD	<p>LGD Comments</p> <p>Entek GRB, LLC</p> <p>Well: FRU Federal 4-14 (formerly 4-16)</p> <p>SE4SW4 Section 4-11-88</p> <p>PP2012-012</p> <p>Surface owner: BLM</p> <p>Mineral owner: BLM</p> <p>Routt County has a permitting process for all oil/gas operations. The consultant for this application has been contacted and is aware that the applicant must make application for a permit.</p> <p>This site has been moved and the well pad and new access road are no longer in mapped areas for geologic concerns.</p> <p>Best Management Practices must be adhered to to prevent erosion and off-site contamination.</p> <p>This well pad and access is mapped for wildlife concerns which include Elk Production and Summer Concentration. Roads to the well pad travel through Severe Winter Range and Critical Winter Range for Mule Deer. They also travel through production area for Sharp-tailed Grouse. Construction of the access should not occur Dec 1 – April 15 for Mule Deer and March 15 – July 30th for Sharp-tailed Grouse concerns.</p> <p>Routt County requests that the operator be required, at a minimum, to comply with COGA Voluntary Baseline Groundwater Quality Sampling Program.</p> <p>Routt County requests information from the COGCC after drilling operations are complete for the location of aquifers and showing that casing was completed per minimum requirements of the COGCC regulations to protect all aquifers.</p> <p>Continued best management practices should be used to test or monitor air quality. The COGCC should work with the CDPHE to develop monitoring system requirements and schedules for all operators. New technology should be used to prohibit emission from tanks, equipment and flares at the onset of production.</p> <p>The operator must contact Moffat County Road and Bridge Department or the Moffat County LGD to obtain permits for hauling on Moffat County roads.</p> <p>Due to limited emergency resources in this area, is it recommended that the operator work with the Baggs, Wyoming Fire Department and Routt County Emergency Department for an emergency response plan. The operator should also be involved in the coordination of ambulance response into Routt County from Moffat County or Baggs, Wyoming.</p> <p>Routt County did not attend the site visit for the amended site and was not aware that this visit had been scheduled. There may be concerns voiced during the permit review process which might require additional mitigation measures. Routt County does appreciate Entek's consideration and for moving this site to a new location due to concerns expressed at the initial visit.</p>	<p>1/24/2013 10:38:00 AM</p>

Engineer	THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 00 FEET DEEP.	1/16/2013 1:19:02 PM
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Total: 2 comment(s)

BMP

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

Total: 0 comment(s)