

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:

400103055

Plugging Bond Surety

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: ENCANA OIL & GAS (USA) INC

4. COGCC Operator Number: 100185

5. Address: 370 17TH ST STE 1700

City: DENVER State: CO Zip: 80202-5632

6. Contact Name: DeAnne Spector Phone: (720)876-5826 Fax: (720)876-6826
Email: deanne.spector@encana.com

7. Well Name: Federal Well Number: 28-13 (PL28)

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

9. Proposed Total Measured Depth: 8226

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 28 Twp: 7S Rng: 95W Meridian: 6

Latitude: 39.406860 Longitude: -108.008940

Footage at Surface: 2083 feet FNL/FSL FSL 752 feet FEL/FWL FWL

11. Field Name: Parachute Field Number: 67350

12. Ground Elevation: 7162 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 11/06/2009 PDOP Reading: 0.0 Instrument Operator's Name: Ted Taggart

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

Footage at Top of Prod Zone: FNL/FSL 467 FSL 652 FEL/FWL FWL Bottom Hole: FNL/FSL 467 FSL 652 FEL/FWL FWL
Sec: 28 Twp: 7S Rng: 95W Sec: 28 Twp: 7S Rng: 95W

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: 5700 ft

18. Distance to nearest property line: 1877 19. Distance to nearest well permitted/completed in the same formation: 640 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.)
Williams Fork	WMFK	440-62		

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC011523

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):
T7S-R95W: Sec. 19: Lots 5, 6. Sec. 20: SW, NWSE. Sec. 21: E/2, NESW. Sec. 22: Lots 2-5, 8-11. Sec. 27: Lots 2, 4, 5, S/2NE/SW, SWNW, W/2SW, SESW. Sec. 28: Lots 1, 2, S/2N/2, S/2. Sec. 29: Lots 1-4, S/2N/2, S/2. Sec. 30: Lot 3, SENE.

25. Distance to Nearest Mineral Lease Line: 467 ft 26. Total Acres in Lease: 2536

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	Wt/Ft	Csg/Line Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24+0/0	16+0/0	65		40	5	40	0
SURF	12+1/4	9+5/8	36		1,400	445	1,400	0
1ST	7+7/8	4+1/2	11.6		8,226	647	8,226	0

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

33. Comments TOC will be 200>MSVD. In a CA COC0128382.

34. Location ID: 334071

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: DeAnne Spector

Title: Regulatory Analyst Date: 11/1/2010 Email: deanne.spector@encana.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: David S. Nesline Director of COGCC Date: 12/12/2010

API NUMBER

05 045 20229 00

Permit Number: _____ Expiration Date: 12/11/2012

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) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) GARFIELD COUNTY RULISON-FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE.

(3) SURFACE CASING MUST BE RUN TO A MINIMUM DEPTH OF 1400'.

(4) 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.

(5) 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.

(6) 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 155 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400103055	FORM 2 SUBMITTED
400103070	DEVIATED DRILLING PLAN
400103072	PLAT
400103880	FED. DRILLING PERMIT

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	See my answers below, sorry it took so long..... Spector, DeAnne M. Subject: Questions on the Federal 28-13BB pad doc. # 400103206 Trying to work the Federal 28-13BB pad specifically the Federal 28-6BB (PL28) doc. # 40103206. Issue: The objective Formation has the Williams Fork and the lles listed but there are no Spacing Orders stated for either. We will only be producing from the Williams Fork and not the lles. The spacing orders are 139-31 & 440-62. I have not looked at this on the other six APD's, is that the case on the others? Yes, all are the same.	12/7/2010 1:15:40 PM
Permit	CAN NOT BE APPROVED AS APD IS MISSING ANY SPACING ORDERS NUMBERS, THEREFORE CANNOT ACCESS THE BHL. EMAILED DEANNE SPECTOR.	11/26/2010 12:45:25 PM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)