

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:

400094827

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: MIRACLE PFISTER Phone: (720)876-3761 Fax: (720)876-4861

Email: miracle.pfister@encana.com

7. Well Name: KEINATH FEDERAL Well Number: 9-14H (C10OU)

8. Unit Name (if appl): ORCHARD Unit Number: COC66496X

9. Proposed Total Measured Depth: 14945

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 10 Twp: 8S Rng: 96W Meridian: 6

Latitude: 39.368668 Longitude: -108.099242

Footage at Surface: 1045 FNL/FSL FNL 1544 FEL/FWL FWL

11. Field Name: GRAND VALLEY Field Number: 31290

12. Ground Elevation: 5568 13. County: MESA

14. GPS Data:

Date of Measurement: 03/30/2010 PDOP Reading: 2.0 Instrument Operator's Name: C.D. SLAUGH

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
 1699 FNL 2371 FWL 1168 FSL 2031 FWL
 Sec: 10 Twp: 8S Rng: 96W Sec: 9 Twp: 8S Rng: 96W
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: 3210 ft

18. Distance to nearest property line: 236 ft 19. Distance to nearest well permitted/completed in the same formation: 72 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.)
ILES	ILES			
MANCOS	MNCAB			
NIOBRARA	NB-FR			
WILLIAMS FORK	WMFK			

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC58674

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 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):

8S-96W SEC 9: NE, S2NW, S2 SEC 10: W2NW, SW, W2SE SEC 14: SWNW, NWSW, SESW SEC 15: W2E2, SENE, S2, NESE, SEC 16: ALL

25. Distance to Nearest Mineral Lease Line: 2031 ft 26. Total Acres in Lease: 2200

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
CONDUCTOR	24	20	LINEPIPE	40	5	40	0
SURF	14+3/4	10+3/4	40.5	1,400	665	1,400	0
1ST	9+7/8	7+5/8	29.7	7,919	1,104	7,919	0
2ND	6+1/2	5	23.2	14,945	413	14,945	0

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

33. Comments THE NEAREST DISTANCE IS TO A BUILDING AND ABOVE GROUND UTILITY. TOP OF INTERMEDIATE CASING WILL BE 200 FT ABOVE THE MSVD. TOP OF THE PRODUCTION CASING WILL BE 500 FT INSIDE THE INTERMEDIATE CASING.

34. Location ID: 334093

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: MIRACLE PFISTER

Title: REGULATORY ANALYST Date: 9/24/2010 Email: miracle.pfister@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: _____ Director of COGCC Date: _____

Permit Number: _____ Expiration Date: _____

API NUMBER

05

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.

Attachment Check List

Att Doc Num	Name	Doc Description
400094827	FORM 2 SUBMITTED	400094827.pdf
400094835	FED. DRILLING PERMIT	Keinath Federal 9-14H BLM APD.pdf
400094836	30 DAY NOTICE LETTER	30 Day Drilling Notice - Mary Satterfield C10OU 9-14-10.pdf
400094837	SURFACE AGRMT/SURETY	C10OU SDA.pdf
400094838	DEVIATED DRILLING PLAN	Pages from Encana (C10OU Pad) Keinath Federal 9-14H Plan #3.pdf
400095690	PLAT	Keinath Federal 9-14H (C10OU) Plat.pdf

Total Attach: 6 Files