

**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:  
400084780  
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: ORCHARD UNIT Well Number: 18-9HM (K20OU)

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

9. Proposed Total Measured Depth: 12455

**WELL LOCATION INFORMATION**

10. QtrQtr: NESW Sec: 20 Twp: 8S Rng: 96W Meridian: 6  
Latitude: 39.332083 Longitude: -108.135192

Footage at Surface: 1457 FSL 1689 FWL

11. Field Name: GRAND VALLEY Field Number: 31290

12. Ground Elevation: 5960 13. County: MESA

14. GPS Data:  
Date of Measurement: 05/21/2010 PDOP Reading: 1.8 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  
2149 FSL 1383 FWL 1715 FSL 474 FEL  
Sec: 20 Twp: 8S Rng: 96W Sec: 18 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: 2399 ft  
18. Distance to nearest property line: 2635 ft 19. Distance to nearest well permitted/completed in the same formation: 780 ft

**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	NBRR			
WILLIAMS FORK	WMFK			

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: COC58675

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):  
 T8S-R96W SECTION 8: SWNE, SE SECTION 17: ALL SECTION 18: LOTS 3, 4, SENE, E2SW, NESE, S2SE (EXCLUDING RESERVED ROW) SECTION 19: LOTS 1, 2, NE, E2NW SECTION 21: SWSW

25. Distance to Nearest Mineral Lease Line: 830 ft 26. Total Acres in Lease: 1462

### 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	6,200	769	6,200	0
2ND	6+1/2	5	23.2	12,455	417	12,455	0

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

33. Comments TOP OF PRODUCTION CASING CEMENT WILL BE 500' INSIDE INTERMEDIATE CASING. TOP OF INTERMEDIATE CASING WILL BE 200' ABOVE MESAVERDE. THE NEAREST PUBLIC ROAD IS 2399'.

34. Location ID: 413471

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: 8/13/2010 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
400084780	FORM 2 SUBMITTED	400084780.pdf
400084811	DEVIATED DRILLING PLAN	(K20OU Pad) Orchard Unit 18-9HM Plan #1.pdf
400084812	PLAT	Orchard Unit 18-9HM (K20OU) Plat (07-07-10).pdf
400084848	FED. DRILLING PERMIT	ORCHARD UNIT 18-9HM (K20OU) BLM APD.pdf

Total Attach: 4 Files