

**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 ☐

Document Number:

400116783

Plugging Bond Surety

20100017

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: Heather Mitchell Phone: (720)876-3070 Fax: (720)876-407
Email: heather.mitchell@encana.com

7. Well Name: FF Well Number: DH07A-9 L16 498

8. Unit Name (if appl): Big Jimmy Unit Number: COC74105X

9. Proposed Total Measured Depth: 16621

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 16 Twp: 4S Rng: 98W Meridian: 6

Latitude: 39.701453 Longitude: -108.401131

			FNL/FSL			FEL/FWL
Footage at Surface:	2658	feet	FNL	1359	feet	FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 8181 13. County: RIO BLANCO

14. GPS Data:

Date of Measurement: 06/23/2010 PDOP Reading: 3.3 Instrument Operator's Name: Robert Kay

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				
<u>1915</u>		<u>FNL</u>		<u>1637</u>		<u>FWL</u>		<u>2580</u>		<u>FNL</u>		<u>1841</u>		<u>FEL</u>	
Sec:	16	Twp:	4S	Rng:	98W	Sec:	9	Twp:	4S	Rng:	98W				

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: 167 ft

18. Distance to nearest property line: 8 ft 19. Distance to nearest well permitted/completed in the same formation: 8193 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.)
Mancos	MNCS		90185	

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC56835

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):
4S-98W, 6th P.M Sec. 11: NE, SW Sec. 15: N2, N2SW, NWSE Sec. 16: N2, N2S2, S2SW, SWSE

25. Distance to Nearest Mineral Lease Line: 1637 ft 26. Total Acres in Lease: 1360

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: Recycle and bury

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	30	20	Linepipe		120		120	0
SURF	16	10+3/4	40.5#		3,000	1,630	3,000	0
2ND	9+7/8	7+5/8	26.4#		9,050	441	9,050	
3RD	6+1/2	5+1/2	20#		16,621	611	16,621	

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

33. Comments This is a horizontal well. It is our intention to first drill a vertical wellbore to 13,000 TVD to evaluate the reservoirs at that depth. From there Encana will cement back up hole to our kickoff point 10,394'. Once cemented we will build the horizontal. The horizontal target is 16621' MD. BLM owns surface and minerals. The distance on # 17 is calculated from the nearest public road. Conductor and surface casing will be run to surface. Intermediate String (2nd String) will be set at 500' above the TOG. Production sting (3rd String) is a tapered string and is both 4 1/2" and 5 1/2". The top of the production cement will be 500' into the intermediate casing.

34. Location ID: 420957

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: Heather Mitchell

Title: Regulatory Analyst Date: _____ Email: heather.mitchell@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
400120088	TOPO MAP
400120092	OTHER
400120093	MINERAL LEASE MAP
400120095	PLAT
400120096	DEVIATED DRILLING PLAN

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

BMP

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

Total: 0 comment(s)