

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400001055

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)876-6060

Email: deanne.spector@encana.com

7. Well Name: Hittle Cattle Co. Well Number: 1-4H2 (PL1NW)

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

9. Proposed Total Measured Depth: 13148

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 1 Twp: 10S Rng: 96W Meridian: 6

Latitude: 39.223699 Longitude: -108.059555

Footage at Surface: 305 FNL/FSL FNL 766 FEL/FWL FWL

11. Field Name: Plateau Field Number: 69300

12. Ground Elevation: 6009 13. County: MESA

14. GPS Data:

Date of Measurement: 05/11/2009 PDOP Reading: 0.0 Instrument Operator's Name: Ted Taggart, BY

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

Footage at Top of Prod Zone: FNL/FSL 867 FNL 1250 FWL 650 FSL 735 FEL 650 FSL 735 FEL
Sec: 1 Twp: 10S Rng: 96W Sec: 1 Twp: 10S 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: 5500 ft

18. Distance to nearest property line: 305 ft 19. Distance to nearest well permitted/completed in the same formation: _____

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		640	
Mancos	MNCS		640	
Niobrara	NBRR	166-28	640	
Williams Fork	WMFK		640	

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

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):
T10S-R95W: Sec 6: Lots 6 & 7; T10S-R96W Sec. 1: Lot 4 SWNW, S/2 S/2; Sec. 12 W2N/4 NENW NWNE

25. Distance to Nearest Mineral Lease Line: 650 ft 26. Total Acres in Lease: 637

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+2/4	16+0	.25 wall	40	4	40	0
SURF	12+1/4	9+5/8	72#	1,000	725	1,000	0
1ST	8+3/4	7+5/8	17#	8,189	621	8,189	4,504
2ND	6+1/8	+9		9	818	9	4
NEW	9+1/11	+9	40#	8,189	818	8,189	4,504

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

33. Comments _____

34. Location ID: 3

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: 7/20/2009 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. Neslin Director of COGCC Date: 2/20/2010

API NUMBER

05 077 10079 00

Permit Number: _____ Expiration Date: 2/19/2012

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.

24-HOUR SPUD NOTICE REQUIRED. E-MAIL david.Andrews@state.co.us CEMENT-TOP VERIFICATION BY CBL REQUIRED 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. 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 480 FEET DEEP.

Attachment Check List

Att Doc Num	Name	Doc Description
400001056	LOCATION PICTURES	LF@2183721 400001056
400001057	LOCATION PICTURES	LF@2183722 400001057
400001058	LOCATION PICTURES	LF@2183723 400001058
400001059	DEVIATED DRILLING PLAN	LF@2183724 400001059
400001062	317B NOTIFICATION	LF@2183725 400001062
400001063	HYDROLOGY MAP	LF@2183726 400001063
400001064	30 DAY NOTICE LETTER	LF@2183727 400001064
400001065	OTHER	LF@2183728 400001065
400001066	WELL LOCATION PLAT	LF@2183729 400001066
400001067	TOPO MAP	LF@2183730 400001067

Total Attach: 10 Files