

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400409121

Date Received:

05/06/2013

PluggingBond SuretyID

20100017

## APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  Recomplete and Operate

### 2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE  COMMINGLE

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: Alexis Bidgood Phone: (720)876-3074 Fax: ()

Email: Alexis.Bidgood@encana.com

7. Well Name: Shideler Fee Well Number: 6-1AA (O31E)

8. Unit Name (if appl): Hunter Mesa Unit Number: COC055972  
X

9. Proposed Total Measured Depth: 8996

## WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 31 Twp: 7S Rng: 92W Meridian: 6

Latitude: 39.396903 Longitude: -107.705817

Footage at Surface: 406 feet FSL 1938 feet FEL

11. Field Name: Mamm Creek Field Number: 52500

12. Ground Elevation: 7104 13. County: GARFIELD

### 14. GPS Data:

Date of Measurement: 09/17/2012 PDOP Reading: 2.9 Instrument Operator's Name: Stacy Stewart

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

Footage at Top of Prod Zone: 330 FNL 1441 FEL Bottom Hole: 330 FNL 1441 FEL  
Sec: 6 Twp: 8S Rng: 92W Sec: 6 Twp: 8S Rng: 92W

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: 6638 ft

18. Distance to nearest property line: 406 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 250 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			

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):

T8S-R92W SECTION 6: LOTS 1, 2, S2NE; T7S-R92W SECTION 31: LOTS 1, 2, E2W2, E2

25. Distance to Nearest Mineral Lease Line: 114 ft 26. Total Acres in Lease: 660

### 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?  Yes  No

31. Mud disposal:  Offsite  Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

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/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	24+0/0	16+0/0	.25" Wall	0	60	5	60	0
SURF	12+1/4	9+5/8	36	0	1,058	405	1,058	0
1ST	7+7/8	4+1/2	11.6	0	8,696	522	8,696	0

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

33. Comments Conductor Casing will be a tapered hole. Conductor Casing will change from 0-60' with a 24" hole and a casing size of 16". Surface casing will go from 0-200' with a hole size of 14-3/4" and a casing size of 9-5/8". Surface casing will continue from 200-1058' and with a hole size of 12-1/4" and a casing size of 9-5/8". Production casing will go from 0-6716' with a hole size of 8-3/4" with a casing size of 4-1/2". Production casing will continue from 6717' - 8696' with a hole size of 7-7/8" with a casing size of 4-1/2".

34. Location ID: \_\_\_\_\_

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: Alexis Bidgood

Title: Permitting Analyst Date: 5/6/2013 Email: Alexis.Bidgood@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: \_\_\_\_\_

API NUMBER

05

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

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.

Data retrieval failed for the subreport 'IntPolicy\_NTC' located at: \\Westpub\Net\Reports\policy\_ntr\_rdl. Please check th

### Attachment Check List

Att Doc Num	Name
400409121	FORM 2 SUBMITTED
400412450	DIRECTIONAL DATA
400412451	DEVIATED DRILLING PLAN
400412452	WELL LOCATION PLAT
400412457	30 DAY NOTICE LETTER
400412460	SURFACE AGRMT/SURETY

Total Attach: 6 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft. Incorrect TOP, #36 missing, and high density question not answered.	5/7/2013 8:22:42 AM

Total: 1 comment(s)

### BMP

<u>Type</u>	<u>Comment</u>
Wildlife	<p>Minimize the number, length and footprint of oil &amp; gas development roads                      Use existing routes where possible                      Combine utility infrastructure planning (gas, electric &amp; water) when possible with roadway planning to avoid separate utility corridors                      Coordinate Employee transport when possible</p> <p>Reduce visits to well-sites through remote monitoring (i.e. SCADA) and the use of multi-function contractors. Maximize use of state-of-the-art drilling technology (e.g., high efficiency rigs, coiled-tubing unit rigs, closed-loop or pitless drilling, etc.) to minimize disturbance.</p> <p>Reclaim mule deer and elk habitats with native shrubs, grasses, and forbs appropriate to the ecological site disturbed.</p>
Pre-Construction	Wattles, Silt Fence, Vegetation Buffers, Slash, Topsoil Windrows (diversions & ROP's), Scheduling, Phased Construction
Interim Reclamation	Maintenance Revegetation Monitoring BMP maintenance & monitoring Weed Management
Construction	(Not all are used all the time) Terminal Containment, Diversions, Run-On Protection, Tracking, Benching, Terracing, ECM (Erosion Control Mulch), ECB (Erosion Control Blanket), Check Dams, Seeding, Mulching, Water Bars, Stabilized Unpaved Surfaces (Gravel), Stormwater & Snow Storage Containment, Scheduling, Phased Construction, Temporary Flumes, Culverts with inlet & outlet protection, Rip Rap, TRM (Turf Reinforcement Mats), Maintenance, Scheduling, Phased Construction, Fueling BMP's, Waste Management BMP's, Materials Handling BMP's

Total: 4 comment(s)