

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:

400224192

PluggingBond SuretyID

#### APPLICATION FOR PERMIT TO:

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

#### 2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☐ OTHER CO2  
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☐

3. Name of Operator: KINDER MORGAN CO2 CO LP

4. COGCC Operator Number: 46685

5. Address: 17801 HWY 491

City: CORTEZ State: CO Zip: 81321

6. Contact Name: Paul Belanger Phone: (970)882-2464 Fax: (970)882-5521

Email: Paul\_Belanger@kindermorgan.com

7. Well Name: HB Well Number: 6

8. Unit Name (if appl): MCELMO DOME Unit Number: 047653X

9. Proposed Total Measured Depth: 10200

#### WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 36 Twp: 38N Rng: 19W Meridian: N

Latitude: 37.512253 Longitude: -108.894078

Footage at Surface: 1138 feet FNL/FSL 2443 feet FEL/FWL FEL

11. Field Name: MCELMO Field Number: 53674

12. Ground Elevation: 6317 13. County: MONTEZUMA

#### 14. GPS Data:

Date of Measurement: 10/21/2011 PDOP Reading: 1.7 Instrument Operator's Name: R.J. Caffey

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

Footage at Top of Prod Zone: FNL/FSL 1138 FNL 2443 FEL 862 FSL 2459 FEL 862  
Sec: 36 Twp: 38N Rng: 19W Sec: 25 Twp: 38N Rng: 19W

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: 3600 ft

18. Distance to nearest property line: 182 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 4190 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.)
Leadville	LDVLL			

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: COC 1713&11659

22. Surface Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 20080051

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):

VERTICAL PILOT ENTERS LEADVILLE IN LEASE COC 1713 (2034ac.); HORIZONTAL WELLBORE CONTINUE TO THE NORTH IN THIS SAME LEASE (COC1713) AND IF IT COMPLETES IN SECTION 25 as planned IT WILL ENTER LEASE COC11659 (560ac.); see attached lease map. Since the horizontal wellbore crosses another lease, nearest distance is zero feet.

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 2594

### 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: de-water and cover

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	20		0	80	100	80	0
SURF	12+1/4	9+5/8	36	0	3,486	1,325	3,486	0
1ST	8+3/4	7	29&32	0	8,195	1,485	8,195	0
OPEN HOLE	4+3/4			8195				8,195

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

33. Comments This is the APD application for the horizontal wellbore drilled with a 4 3/4" bit OH as explained in the drilling plans attached. A Form 15 pit permit is being submitted for 2 pits: pit 1 for most of the cuttings will be left on-site, de-watered and covered; NO Salt section cuttings and muds expected in this horizontal wellbore. A KOP will be established from the vertical pilot after logging a 6" OH. The KOP is expected to be around 8260' and drilling to TD as a 4 1/4" OH that will then be completed per drilling plans. Conductor/surface and production casing described for the pilot hole APD docnum 400224191; re-entered here so this could be submitted. It is 4190' to the nearest LDVLL well the HE5 horizontal BHL, problem with xls file - see error message????????? waiver if 85' check 2A error changed: described as SWSE vs. NWNE/TAKE OFF PLUGGING SURETYNWNE

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: Paul E. Belanger

Title: Regulatory Contractor Date: \_\_\_\_\_ Email: Paul\_Belanger@KinderMorgan.

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.

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### **Attachment Check List**

Att Doc Num	Name
400252035	WELL LOCATION PLAT
400252068	OTHER
400252069	H2S CONTINGENCY PLAN
400252070	DEVIATED DRILLING PLAN
400252072	DRILLING PLAN
400252171	LEASE MAP
400252190	DIRECTIONAL DATA

Total Attach: 7 Files

### **General Comments**

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

Total: 0 comment(s)

### **BMP**

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

Total: 0 comment(s)