

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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02/13/2012

PluggingBond SuretyID

20030041

## 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: ANADARKO E&P COMPANY LP4. COGCC Operator Number: 28005. Address: PO BOX 173779City: DENVER State: CO Zip: 802176. Contact Name: Cheryl Light Phone: (720)929-6461 Fax: (720)929-7461Email: cheryl.light@anadarko.com7. Well Name: RICHARDSON Well Number: 14-37-1H

8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

9. Proposed Total Measured Depth: 12181

## WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 14 Twp: 3S Rng: 65W Meridian: 6Latitude: 39.784692 Longitude: -104.624607

Footage at Surface: 511 feet FNL/FSL 838 feet FEL/FWL FEL

11. Field Name: WILDCAT Field Number: 9999912. Ground Elevation: 5441 13. County: ADAMS

## 14. GPS Data:

Date of Measurement: 03/21/2012 PDOP Reading: 2.5 Instrument Operator's Name: OWEN MCKEE15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 638 FSL 651 FEL 460 FEL/FWL 660 FEL 660  
 Sec: 14 Twp: 3S Rng: 65W Sec: 14 Twp: 3S Rng: 65W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 336 ft18. Distance to nearest property line: 511 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 960 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.)
NIOBRARA	NBRR	535-89	640	ALL

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☐ No23b. 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):

Please see attached Oil and Gas Lease.

25. Distance to Nearest Mineral Lease Line: 460 ft

26. Total Acres in Lease: 360

### 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
SURF	12+1/4	9+5/8	36.0	0	1,870	420	1,870	0
1ST	8+3/4	7	26.0	0	7,981	720	7,981	
1ST LINER	6+1/8	4+1/2	11.6	6971	11,857		11,857	

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

33. Comments No conductor casing will be used.

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: Cheryl Light

Title: SR. Regulatory Analyst

Date: 2/13/2012

Email: DJRegulatory@anadarko.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: 4/6/2012

#### API NUMBER

05 001 09748 00

Permit Number: \_\_\_\_\_

Expiration Date: 4/5/2014

#### 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.

- 1) Note surface casing setting depth change from 1840' to 1870'. Increase cement coverage accordingly.
- 2) Provide 24 hour notice of MIRU to COGCC inspector Mike Hickey via e-mail at Mike.Hickey@state.co.us. Indicate Spud Notice in the subject line and provide the following information: Operator Name, Well Name and Number, API #, Spud Date, Contact Name, Contact Phone #, E-mail Address. If well spud after April 1, 2012 submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 3) Comply with Rule 317.i and provide cement coverage from end of 7" casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) Run and submit Directional Survey from TD to base of surface casing. The operator shall comply with Rule 321, and it shall be the operator's responsibility to ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

### **Attachment Check List**

Att Doc Num	Name
1771593	SURFACE CASING CHECK
2532097	WELL LOCATION PLAT
2532103	DEVIATED DRILLING PLAN
2532111	DIRECTIONAL DATA
400251466	FORM 2 SUBMITTED
400251477	TOPO MAP
400251479	30 DAY NOTICE LETTER
400251480	OIL & GAS LEASE

Total Attach: 8 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	LGD comment received; final review completed.	4/3/2012 2:37:50 PM
Permit	Operator has moved the location north away from the power line.	3/27/2012 5:45:32 AM
Permit	Operator is re-measuring distance to power line. pending	3/13/2012 10:55:28 AM
LGD	No additional comment as long as all COGCC Regulations are followed. Adams County will approve the final access location. G.Stevens	2/14/2012 8:49:32 AM
Permit	Change distance to another Niob well to 960 feet to reflect the distance between the two horizontals on this pad.	2/14/2012 7:29:33 AM

Total: 5 comment(s)

### **BMP**

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

Total: 0 comment(s)