

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



Document Number:

400258582

Date Received:

## 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 ☐

PluggingBond SuretyID

20030041

3. Name of Operator: ANADARKO E&amp;P COMPANY LP

4. COGCC Operator Number: 2800

5. Address: PO BOX 173779

City: DENVER State: CO Zip: 80217

6. Contact Name: CINDY VUE Phone: (720)929-6832 Fax: (720)929-7832

Email: CINDY.VUE@ANADARKO.COM

7. Well Name: HOULIHAN Well Number: 4-8H

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

9. Proposed Total Measured Depth: 12066

## WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 15 Twp: 4S Rng: 64W Meridian: 6

Latitude: 39.708210 Longitude: -104.543868

Footage at Surface: 630 feet FNL/FSL FNL 600 feet FEL/FWL FWL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 5633 13. County: ARAPAHOE

## 14. GPS Data:

Date of Measurement: 09/15/2011 PDOP Reading: 2.1 Instrument Operator's Name: CHRIS BOUB

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  
 1675 FNL 570 FWL 1630 FNL 460 FEL  
 Sec: 15 Twp: 4S Rng: 64W Sec: 15 Twp: 4S Rng: 64W

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: 658 ft

18. Distance to nearest property line: 600 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 970 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	535-98	480	N/2, SE/4

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#: 2003004223a. 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: 480

### 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	13+1/2	9+5/8	36.0	0	1,820	1,350	1,820	0
1ST	8+3/4	7	26.0	0	7,963	700	7,963	0
1ST LINER	6+1/8	4+1/2	11.6	6892	12,066			

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: CINDY VUE

Title: Regulatory Analyst II Date: \_\_\_\_\_ 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: \_\_\_\_\_

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.



### Attachment Check List

Att Doc Num	Name
400258589	DEVIATED DRILLING PLAN
400258590	PLAT
400258591	TOPO MAP
400258592	OIL & GAS LEASE
400260304	VARIANCE REQUEST
400260309	DIRECTIONAL DATA
400261533	30 DAY NOTICE LETTER

Total Attach: 7 Files

### General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

### BMP

Type	Comment

Total: 0 comment(s)