

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:

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Date Received:

03/09/2012

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: CINDY VUE Phone: (720)929-6832 Fax: (720)929-7832Email: CINDY.VUE@ANADARKO.COM7. Well Name: SUN EMPIRE Well Number: 17-31-8H

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

9. Proposed Total Measured Depth: 12418

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 17 Twp: 3S Rng: 65W Meridian: 6Latitude: 39.795293 Longitude: -104.695532

Footage at Surface: 1131 feet FNL 382 feet FWL
 FNL/FSL FEL/FWL

11. Field Name: WILDCAT Field Number: 9999912. Ground Elevation: 5448 13. County: ADAMS

14. GPS Data:

Date of Measurement: 09/23/2011 PDOP Reading: 2.5 Instrument Operator's Name: CHRIS BOUB15. 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
1980 FNL 630 FWL 1980 FNL 460 FEL
 Sec: 17 Twp: 3S Rng: 65W Sec: 17 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: 1100 ft18. Distance to nearest property line: 382 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1320 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):

SEE ATTACHED OIL AND GAS LEASES.

25. Distance to Nearest Mineral Lease Line: 460 ft

26. Total Acres in Lease: 484

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	1,890	670	1,890	0
1ST	8+3/4	7	26	0	8,217	740	8,217	0
1ST LINER	6+1/8	4+1/2	11.6	7177	12,418			

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: 3/9/2012 Email: DJREGULATORY@ANADARK

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 09747 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 1880' to 1890'. Increase cement coverage accordingly.
- 2) 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
1771637	SURFACE CASING CHECK
400257309	FORM 2 SUBMITTED
400257320	OTHER
400257321	PLAT
400257322	TOPO MAP
400259971	OIL & GAS LEASE
400259972	30 DAY NOTICE LETTER
400260027	DEVIATED DRILLING PLAN
400260028	DIRECTIONAL DATA
400260056	DIRECTIONAL DATA

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	No LGD or public comment received; final review completed.	4/3/2012 8:18:57 AM
LGD	This appears to be City of Aurora Jurisdiction.	3/13/2012 7:25:28 AM
Permit	Operator corrected 22a and corrected directional data.	3/9/2012 1:36:04 PM
Permit	Returned to draft. #22a is required. Error in directional data.	3/9/2012 12:37:14 PM

Total: 4 comment(s)

BMP

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

Total: 0 comment(s)