

FORM

2

Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400297141

Date Received:

06/26/2012

PluggingBond SuretyID

20060105

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

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

Refiling ☐Sidetrack ☐3. Name of Operator: APOLLO OPERATING LLC4. COGCC Operator Number: 100515. Address: 1538 WAZEE ST STE 200City: DENVER State: CO Zip: 802026. Contact Name: TANYA CARPIO Phone: (303)830-0888 Fax: (303)830-2818Email: TCARPIO@APOLLOOPERATING.COM7. Well Name: MURDOCK Well Number: 13-34D

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

9. Proposed Total Measured Depth: 7900

WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 34 Twp: 5N Rng: 68W Meridian: 6Latitude: 40.351440 Longitude: -104.994870

Footage at Surface: 809 feet FSL 2108 feet FWL
 FNL/FSL FEL/FWL

11. Field Name: WATTENBERG Field Number: 9075012. Ground Elevation: 5057 13. County: LARIMER

14. GPS Data:

Date of Measurement: 06/13/2012 PDOP Reading: 1.6 Instrument Operator's Name: ADAM KELLY15. 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
1977 FSL 658 FWL 1977 FSL 658 FWL
 Sec: 34 Twp: 5N Rng: 68W Sec: 34 Twp: 5N Rng: 68W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 764 ft18. Distance to nearest property line: 526 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 100 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.)
J-SAND	JSND		80	E2SW4
NIOBRARA-CODELL	NB-CD	407-87	80	E2SW4

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 MINERAL LEASE DESCRIPTION

25. Distance to Nearest Mineral Lease Line: 517 ft

26. Total Acres in Lease: 69

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: CLOSED LOOP SYSTEM

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	11	8+5/8	24	0	550	228	550	0
1ST	7+7/8	4+1/2	11.6	0	7,900	770	7,900	3,000

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

33. Comments NO CONDUCTOR WILL BE USED. Unit Configuration: E2SW4

34. Location ID: 417992

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: TANYA CARPIO

Title: OFFICE MANAGER Date: 6/26/2012 Email: TCARPIO@APOLLOOPERATI

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 7/27/2012

API NUMBER

05 069 06450 00

Permit Number: _____ Expiration Date: 7/26/2014

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) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Operator must meet Water Well Testing requirements as per amended Rule 318Ae(4)

Attachment Check List

Att Doc Num	Name
2113786	MINERAL LEASE MAP
400297141	FORM 2 SUBMITTED
400297192	WELL LOCATION PLAT
400297193	MINERAL LEASE MAP
400297194	SURFACE AGRMT/SURETY
400297196	WASTE MANAGEMENT PLAN
400297197	LEGAL/LEASE DESCRIPTION
400299720	DIRECTIONAL DATA
400299721	DEVIATED DRILLING PLAN

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected unit acreage as per operator. Final Review Completed. No LGD or public comment received.	7/23/2012 10:38:10 AM
Permit	Replaced document 400297193 Mineral Lease Map with new document 2113786 as per opr request.	7/5/2012 9:47:27 AM

Total: 2 comment(s)

BMP

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

Total: 0 comment(s)