

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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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 ☐

Document Number:

2587955

PluggingBond SuretyID

20050131

3. Name of Operator: RDT PROPERTIES INC

4. COGCC Operator Number: 10142

5. Address: 2431 E 61ST ST STE 850

City: TULSA State: OK Zip: 74136

6. Contact Name: RYAN M. LOGSDON Phone: (918)743-2360 Fax: (918)743-8859

Email: RYAN@RDTPROPERTIES.COM

7. Well Name: HRMU Well Number: 9-12

8. Unit Name (if appl): HRMU Unit Number: 9-12

9. Proposed Total Measured Depth: 5420

WELL LOCATION INFORMATION

10. QtrQtr: Lot 14 Sec: 12 Twp: 13S Rng: 43W Meridian: 6

Latitude: 38.930840 Longitude: -102.176470

Footage at Surface: 400 feet FSL 2300 feet FWL

11. Field Name: HARKER RANCH Field Number: 33557

12. Ground Elevation: 4066 13. County: CHEYENNE

14. GPS Data:

Date of Measurement: 07/15/2011 PDOP Reading: 2.7 Instrument Operator's Name: KEITH WESTFALL

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

Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

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: 2300 ft

18. Distance to nearest property line: 340 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1708 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.)
MORROW SAND	MRRW	477-4	1280	see comments

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____

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

23. 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 ☐ 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):

THE SW/4 OF SECTION 12-13S-43W, WHICH IS WITHIN THE UNITIZED BOUNDARY.

25. Distance to Nearest Mineral Lease Line: 2300 ft

26. Total Acres in Lease: 1295

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: EVAPORATION AND

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		20		0	50		50	0
SURF	12+1/4	8+5/8	24	0	271	200	321	0
1ST	7+7/8	5+1/2	15.5	0	5,420	470	5,420	1,700

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

33. Comments ORIGINAL LEASE (SE/4 SEC. 12) IS NOW PART OF THE HARKER RANCH MORROW UNIT. Order 477-4 specifies unit configuration: 13S, 43W, S/2 Section 1, all Section 12, N/2 Section 13.

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: RYAN M. LOGSDON

Title: OPERATIONS ENGINEER

Date: 8/8/2011

Email: RYAN@RDTPROPERTIES.

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: David S. Neslin

Director of COGCC Date: 9/30/2011

API NUMBER

05 017 07709 00

Permit Number: _____ Expiration Date: 9/29/2013

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) Provide 24 hour notice of MIRU to Craig Quint at 719-767-8939 or e-mail at craig.quint@state.co.us.
- 2) If production casing is set provide cement coverage to at least 200' above the shallowest completed interval and 50' below to 50' above Cheyenne/Dakota interval (2400'–1700' minimum). Operator proposed cement from TD to 2200'. COGCC changed TOC to 1700', but it may also be done with stage cement. Verify with CBL.
- 3) If well is a dry hole set the following plugs: 40 sks cement +/- 50' above the MRTN, 40 sks cement across any DST w/ show, 40 sks cement 50' below base of Cheyenne (1800' up), 40 sks cement 50' above top of Dakota (1200' up), 50 sks cement from 50' below surface casing shoe up into surface casing, 15 sks cement in top of surface csg, cut 4 ft below GL, weld on plate, 5 sks cement each in rat hole and mouse hole.

Attachment Check List

Att Doc Num	Name
2506025	SURFACE CASING CHECK
2587955	APD ORIGINAL
2587956	WELL LOCATION PLAT
2587957	TOPO MAP
2587958	SURFACE AGRMT/SURETY
2587959	30 DAY NOTICE LETTER

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date
Permit	Per R. Logsdon, 9/28/11: Add 1,280 unit acreage, add comment with full description of unit configuration, remove "waterflood project" from unit description. NKP	9/28/2011 5:13:24 PM
Permit	Order 477-4 covers 13S43W, S/2 sec. 1, all 12, N/2 sec. 13, a total of 1280 Acres. Request to operator to add unit acres to Objective Formation tab 9/15/2011. NKP	9/14/2011 6:15:34 PM
Permit	Made corrections at operators request.	8/29/2011 2:07:55 PM
Permit	Spoke with operator and Form 1A is on the way (8/24/11)	8/24/2011 9:58:08 AM
Permit	RDT does not have a designated agent. Missing Plugging ID. QtrQtr should read lot 14. Invalid surface bond ID also is unneeded. Missing conductor statement. Sent operator an email (8/16/11) using contact information.	8/16/2011 6:40:30 AM

Total: 5 comment(s)

BMP

Type	Comment

Total: 0 comment(s)