

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 ZONE ☒ COMMINGLE ZONE ☒

 Refiling ☐
 Sidetrack ☐

Document Number:

400083497

Plugging Bond Surety

20090133

3. Name of Operator: MINERAL RESOURCES, INC.

4. COGCC Operator Number: 57667

5. Address: PO BOX 328

City: GREELEY State: CO Zip: 80632

6. Contact Name: Collin Richardson Phone: (970)359-9446 Fax: (800)850-9334

Email: collin@mineralresourcesinc.com

7. Well Name: Thermo Well Number: 5-5-32

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

9. Proposed Total Measured Depth: 7393

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 32 Twp: 6N Rng: 65W Meridian: 6

Latitude: 40.438498 Longitude: -104.684336

 Footage at Surface: 713 FNL/FSL 1846 FEL/FWL
 FSL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4641 13. County: WELD

14. GPS Data:

Date of Measurement: 07/30/2010 PDOP Reading: 1.7 Instrument Operator's Name: David Berglund

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
 1981 FSL 1945 FEL 1981 FSL 1945 FEL
 Sec: 32 Twp: 6N Rng: 65W Sec: 32 Twp: 6N Rng: 65W
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: 738 ft

18. Distance to nearest property line: 252 ft 19. Distance to nearest well permitted/completed in the same formation: 1329 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.)
CODELL	CODL	407	160	SE/4
NIOBRARA	NBRR	407	160	SE/4

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 Bon ☐ \$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 lease

25. Distance to Nearest Mineral Lease Line: 655 ft 26. Total Acres in Lease: 160

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	8+5/8	24	440	260	440	0
1ST	7+7/8	4+1/2	11.6	7,393	166	7,393	6,644

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

33. Comments No conductor casing will be set. Location is outside of the drilling window; covered by SUA

34. Location ID: 415021

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: Dan Hull

Title: Project Manager Date: _____ Email: dan.hull@lra-inc.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	Doc Description
400083525	TOPO MAP	South Pad Topo Map.pdf
400083526	WELL LOCATION PLAT	Thermo 5-5-32.pdf
400083527	SURFACE AGRMT/SURETY	(1) Memorandum of Surface Use Agreement.pdf
400083529	SURFACE AGRMT/SURETY	(2) Surface Use Agreement.pdf
400083530	SURFACE AGRMT/SURETY	(3) Ammendment to Surface Use Agreement.pdf
400083531	LEGAL/LEASE DESCRIPTION	Johnson Mineral Lease.pdf
400083534	EXCEPTION LOC REQUEST	Johnson Surface Exception Location 318Aa.(1)& (2).pdf
400086986		Mineral Thermo 5-5-32 Plan #2 8-19-10.pdf

Total Attach: 8 Files