

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400087054

Plugging Bond Surety

20080134

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 ☐3. Name of Operator: PINE RIDGE OIL & GAS LLC4. COGCC Operator Number: 102765. Address: 600 17TH ST STE 800SCity: DENVER State: CO Zip: 802026. Contact Name: MOE FELMAN Phone: (303)585-1309 Fax: (303)226-1301Email: moe.felman@cometridgeresources.com7. Well Name: MACKINAW Well Number: 21-28

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

9. Proposed Total Measured Depth: 4500

WELL LOCATION INFORMATION

10. QtrQtr: NENW Sec: 28 Twp: 19S Rng: 69W Meridian: 6Latitude: 38.371919 Longitude: -105.117878

FNL/FSL

FEL/FWL

Footage at Surface: 802 FNL 2253 FWL11. Field Name: FLORENCE-CANON CITY Field Number: 2460012. Ground Elevation: 5293 13. County: FREMONT

14. GPS Data:

Date of Measurement: 08/10/2010 PDOP Reading: 3.8 Instrument Operator's Name: CHRIS PEARSON15. 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

2568 FNL 1413 FWL 2568 FNL 1413 FWLSec: 28 Twp: 19 Rng: 69 Sec: 28 Twp: 19 Rng: 6916. Is location in a high density area? (Rule 603b)? ☒ Yes ☐ No17. Distance to the nearest building, public road, above ground utility or railroad: 412 ft18. Distance to nearest property line: 180 ft 19. Distance to nearest well permitted/completed in the same formation: 588 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.)
PIERRE	PRRE			

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):
 Township 19 South, Range 69 West, 6th P.M. Section 20: NENW, NE, S2SE, NWSE; Section 28: N2 except a 0.9 acre tract in the SENW and except a 6.8 acre tract in the SWNE; Section 29: NESW, S2SW; Township 20 South, Range 69 West, 6th P.M. Section 3: N2, SE, S2SW, NWSW; Section 4: S2NE, SESW, E2SE, SWSE; Section 9: E2; Section 10: NW, S2SW, SE; Section 15: N2NW, SENW, N2NE, SWNE

25. Distance to Nearest Mineral Lease Line: 815 ft 26. Total Acres in Lease: 2584

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: Evaporation and burial

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
CONDUCTOR	24	16	1/4" WT	50	70	50	0
SURF	12+1/4	9+5/8	24	610	180	610	0
1ST	8+3/4	7	23	3,495	30	3,495	3,345
1ST LINER	6+1/4	4+1/2	11.6	4,500			

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

33. Comments _____

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: Moe Felman

Title: Sr. Operations Engineer Date: _____ Email: moe.felman@cometridgeresour

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: _____

Permit Number: _____ Expiration Date: _____

API NUMBER

05

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
400087246	LEASE MAP	Mackinaw 21-28 Lease Map.pdf
400087252	LEGAL/LEASE DESCRIPTION	Mackinaw 21-28 Lease Legal Desc.pdf
400087266	TOPO MAP	Mackinaw 21-28 Topographic Map.pdf
400087372	PLAT	MACKINAW 21-28 19S69W28 Well Cert.pdf
400087376	DEVIATED DRILLING PLAN	Mackinaw 21-28_DirPlan_Ver2_08-24-10.pdf

Total Attach: 5 Files