

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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Document Number:

400088055

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 LLC 4. COGCC Operator Number: 10276

5. Address: 600 17TH ST STE 800S  
City: DENVER State: CO Zip: 80202

6. Contact Name: Moe Felman Phone: (303)226-6860 Fax: (303)226-1301  
Email: moe.felman@cometridgeresources.com

7. Well Name: MACKINAW Well Number: 12-28

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

9. Proposed Total Measured Depth: 3385

WELL LOCATION INFORMATION

10. QtrQtr: SWNW Sec: 28 Twp: 19S Rng: 69W Meridian: 6

Latitude: 38.368207 Longitude: -105.122299

Footage at Surface: 2149 FNL/FSL FNL 981 FEL/FWL FWL

11. Field Name: FLORENCE-CANON CITY Field Number: 24600

12. Ground Elevation: 5355 13. County: FREMONT

14. GPS Data:

Date of Measurement: 08/30/2010 PDOP Reading: 3.6 Instrument Operator's Name: OWEN MCKEE

15. If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 2254 FNL 1687 FWL 2254 FSL 1687 FWL  
Bottom Hole: FNL/FSL 2254 FSL 1687 FWL  
Sec: 28 Twp: 19S Rng: 69W Sec: 28 Twp: 19S Rng: 69W

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: 185 ft

18. Distance to nearest property line: 157 ft 19. Distance to nearest well permitted/completed in the same formation: 1330 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#: 20080135

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: 460 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	8+5/8	24	580	135	580	0
1ST	7+7/8	5+1/2	15.5	3,385			

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

33. Comments Location is in a high density area as defined by 603.b. Operator will comply with 603.e regulations.

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: Drilling Manager Date: 9/24/2010 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
400088055	FORM 2 SUBMITTED	400088055.pdf
400093992	LEGAL/LEASE DESCRIPTION	Mackinaw 12-28 Lease Legal Desc.pdf
400093996	LEASE MAP	Mackinaw 12-28 Lease Map.pdf
400094965	DEVIATED DRILLING PLAN	Mackinaw 12-28_DirPlan_Ver 2_08-27-10.pdf
400095658	PLAT	MACKINAW 12-28 19S69W28 Well Cert_REVISED.pdf

Total Attach: 5 Files