

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:

400097333

Plugging Bond Surety

20090100

3. Name of Operator: TEXAS AMERICAN RESOURCES COMPANY4. COGCC Operator Number: 101385. Address: 410 17TH STREET SUITE 1610City: DENVER State: CO Zip: 802026. Contact Name: Melissa Lasley Phone: (720)279-6805 Fax: (303)592-3030Email: mlasley@texasarc.com7. Well Name: Cass Farms Well Number: 11-27H

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

9. Proposed Total Measured Depth: 7065

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 27 Twp: 8N Rng: 62W Meridian: 6Latitude: 40.638760 Longitude: -104.314900
 Footage at Surface: 320 FNL/FSL 310 FEL/FWL FWL
11. Field Name: Wildcat Field Number: 9999912. Ground Elevation: 4883 13. County: WELD

14. GPS Data:

Date of Measurement: 08/17/2010 PDOP Reading: 1.5 Instrument Operator's Name: Brain Brinkman15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 620 FNL 620 FWL 620 FSL 620 FEL 620 FEL
 Sec: 27 Twp: 8N Rng: 62W Sec: 27 Twp: 8N Rng: 62W
16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 300 ft18. Distance to nearest property line: 310 ft 19. Distance to nearest well permitted/completed in the same formation: 2 mi

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.)
Niobrara	NBRR	Unspaded	640	All

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):
N 1/2, Section 27, T8NR62W

25. Distance to Nearest Mineral Lease Line: 620 ft 26. Total Acres in Lease: 320

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	14+3/4	10+3/4	45.5	680	650	680	0
1ST	9+7/8	7	26	7,065	500	6,610	4,500
2ND	6+1/8	4+1/2	11.6	12,500	400	12,500	6,950

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

33. Comments Please note that the SUA is in the Lease. No conductor casing will be used. This permit is a sidetrack to the pilot hole form 2 DOC (400097224).

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: Melissa Lasley

Title: Operations Analyst Date: 10/6/2010 Email: mlasley@texasarc.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
400097333	FORM 2 SUBMITTED	400097333.pdf
400097893	PLAT	Cass Farms 11-27H_Plat.pdf
400097895	OIL & GAS LEASE	Cass Farms 11-27H_OGL.pdf
400097896	30 DAY NOTICE LETTER	Cass Farms 11-27H_30 Day.pdf
400097897	DEVIATED DRILLING PLAN	TARC - Cass Farms 11-27H_Horozontal Plan.pdf

Total Attach: 5 Files