

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:

400097333

Plugging Bond Surety

20090100

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: TEXAS AMERICAN RESOURCES COMPANY

4. COGCC Operator Number: 10138

5. Address: 410 17TH STREET SUITE 1610

City: DENVER State: CO Zip: 80202

6. Contact Name: Melissa Lasley Phone: (720)279-6805 Fax: (303)592-3030
Email: mlasley@texasarc.com

7. Well Name: Cass Farms Well Number: 11-27H

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

9. Proposed Total Measured Depth: 11192

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 27 Twp: 8N Rng: 62W Meridian: 6

Latitude: 40.638760 Longitude: -104.314900

Footage at Surface: 320 FNL/FSL FNL 310 FEL/FWL FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4883 13. County: WELD

14. GPS Data:

Date of Measurement: 08/17/2010 PDOP Reading: 1.5 Instrument Operator's Name: Brain Brinkman

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

Footage at Top of Prod Zone: FNL/FSL 620 FNL 620 FWL 620 Bottom Hole: FNL/FSL 2024 FNL 620 FEL FEL
Sec: 27 Twp: 8N Rng: 62W Sec: 27 Twp: 8N Rng: 62W

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: 300 ft

18. Distance to nearest property line: 310 ft 19. Distance to nearest well permitted/completed in the same formation: 10500 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.)
Niobrara	NBRR		320	N/2

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

25. Distance to Nearest Mineral Lease Line: 310 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	7,065	4,500
2ND	6+1/8	4+1/2	11.6	11,192	400	11,192	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: 420120

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: David S. Neslin Director of COGCC Date: 10/29/2010

API NUMBER

05 123 32454 01

Permit Number: _____ Expiration Date: 10/28/2012

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 hr notice of spud to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the first casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name	Doc Description
2529802	WELL LOCATION PLAT	LF@2606234 2529802
2529803	DEVIATED DRILLING PLAN	LF@2606256 2529803
400097333	FORM 2 SUBMITTED	LF@2599363 400097333
400097893	PLAT	LF@2599364 400097893
400097895	OIL & GAS LEASE	LF@2599365 400097895
400097896	30 DAY NOTICE LETTER	LF@2599366 400097896
400097897	DEVIATED DRILLING PLAN	LF@2599367 400097897

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Changed liner depth to coincide with new measured depth and changed cement bottom for casing to bottom of casing	10/22/2010 8:42:01 AM
Permit	On hold waiting for engineering to re-evaluate.	10/21/2010 2:40:09 PM
Permit	Changed bottomhole location to the N/2. New Directional and survey plat.	10/21/2010 2:34:05 PM
Permit	On Hold Lease on covers half of the lateral	10/14/2010 6:42:12 AM
Permit	400097333--add comment corrected the plugging bond number with operator approval / KK	10/7/2010 3:41:23 PM

Total: 5 comment(s)

Error: Subreport could not be shown.