

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
----	----	----	----

APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☐ OTHER Pilot Hole

SINGLE ZONE ☐ MULTIPLE ZONE ☐ COMMINGLE ZONE ☐

Refiling ☐

Sidetrack ☐

Document Number:

400094200

Plugging Bond Surety

200090100

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: 11-25H

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

9. Proposed Total Measured Depth: 7105

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 25 Twp: 8N Rng: 62W Meridian: 6

Latitude: 40.638930 Longitude: -104.276540

Footage at Surface: 320 FNL/FSL FNL 160 FEL/FWL FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5006 13. County: WELD

14. GPS Data:

Date of Measurement: 08/17/2010 PDOP Reading: 2.2 Instrument Operator's Name: Brian Brinkman

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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 272 ft

18. Distance to nearest property line: 160 ft 19. Distance to nearest well permitted/completed in the same formation: 5280 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	unspaced	320	W/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 Bond ☐ \$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):  
T8N R62W S25: W1/2

25. Distance to Nearest Mineral Lease Line: \_\_\_\_\_ 160 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	7,105	500	6,730	4,500

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

33. Comments Please Note that the SUA is located within the lease. No conductor casing will be used. This Permit is a pilot hole permit and goes with a sidetrack permit DOC # 400094098 Please also note that the nearest distance to the mineral line will be 620' from the horizontal entry point. However the surface hole/pilot hole is 160' from the mineral line

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: 9/27/2010 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. Nashin Director of COGCC Date: 10/23/2010

#### API NUMBER

05 123 32424 00

Permit Number: \_\_\_\_\_ Expiration Date: 10/22/2012

#### 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 and if DA to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Note surface casing setting depth change from 680' to 760'. Increase cement coverage accordingly. Set surface casing per Rule 317d, cement to surface.
- 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) If dry hole, 40 sks cement 50' above Niobrara top, tag 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore surface location.

Pilot hole cannot be completed in any formation due to encroachment issues to neighboring leases

### **Attachment Check List**

Att Doc Num	Name	Doc Description
1726218	SURFACE CASING CHECK	LF@2603645 1726218
400094200	FORM 2 SUBMITTED	LF@2570065 400094200
400096538	30 DAY NOTICE LETTER	LF@2570066 400096538
400096539	OIL & GAS LEASE	LF@2570067 400096539
400096548	PLAT	LF@2570068 400096548

Total Attach: 5 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Revised survey plat on lateral permit supports top of production zone. Also a new directional plan added to lateral.	10/13/2010 8:21:38 AM
Permit	On Hold Directional survey does not support the location plat when locating top of production.	10/7/2010 8:07:10 AM
Permit	proofed by Sarah Freeman; was turned back to draft by Yihsin for opr to attach proper attachments - should be ok now 2 form 2s - one for pilot, one for directional - same well name - so is one a sidetrack?	9/30/2010 1:38:01 PM

Total: 3 comment(s)

Error: Subreport could not be shown.