

FORM

2

Rev  
12/05

## State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400313607

Date Received:

08/27/2012

PluggingBond SuretyID

20120088

## APPLICATION FOR PERMIT TO:

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

## 2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_  
 SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐Sidetrack ☐

3. Name of Operator: AUS-TEX EXPLORATION INC

4. COGCC Operator Number: 10412

5. Address: 7985 W 16TH AVENUE

City: LAKEWOOD State: CO Zip: 80214

6. Contact Name: JONATHAN RUNGE Phone: (970)669-7411 Fax: (970)669-4077

Email: jrunge@petersonenergy.com

7. Well Name: PATHFINDER

Well Number: C 11-12 1HZ

8. Unit Name (if appl):

Unit Number:

9. Proposed Total Measured Depth: 9656

## WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 12 Twp: 20S Rng: 70W Meridian: 6

Latitude: 38.328858

Longitude: -105.178654

Footage at Surface: 527 feet FNL 511 feet FEL/FWL  
 FNL/FSL FWL

11. Field Name: Wildcat

Field Number: 99999

12. Ground Elevation: 5938

13. County: FREMONT

## 14. GPS Data:

Date of Measurement: 03/27/2012 PDOP Reading: 1.9 Instrument Operator's Name: Dallas Nielson

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  
 1154 FNL 818 FWL 577 FSL 2530 FWL  
 Sec: 12 Twp: 20S Rng: 70W Sec: 12 Twp: 20S Rng: 70W

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: 592 ft

18. Distance to nearest property line: 555 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1240 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			

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: \_\_\_\_\_22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☐ No23b. 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):

Please see attached Exhibit "A"

25. Distance to Nearest Mineral Lease Line: 2385 ft

26. Total Acres in Lease: 10431

### 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☒ No

31. Mud disposal: ☒ Offsite ☐ Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	20	16	LP	0	60	5	60	0
SURF	12+1/4	9+5/8	36	0	1,200	411	1,200	0
1ST	8+3/4	7	23	0	5,703	720	5,703	0
1ST LINER	6+1/8	4+1/2	11.6	0	9,656			

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

33. Comments Drilling difficulties has necessitated casing program size constraints that are ineffective for drilling to the S.T. -01 horizontal well bottom hole from the currently drilling approved relevant pilot hole (S.T. -02). Approval obtained by Diana Burn via email on 08/21/12.

34. Location ID: 429093

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: Jonathan Runge

Title: Consultant Date: 8/27/2012 Email: jrunge@petersonenergy.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 8/31/2012

#### API NUMBER

05 043 06221 00

Permit Number: \_\_\_\_\_ Expiration Date: 8/30/2014

#### 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 48 hour notice prior to spud via Form 42.
- 2) Provide cement coverage from base of intermediate casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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.
- 4) Well location is close to a mapped coal mine (Caldirola #2 and Coal Creek Canyon). If mines are active coordinate well location with mine personnel. Maintain MSHA recommended 150' setback from active workings. If inactive mine workings are encountered set appropriate casing at least 50' past workings and cement from shoe to mine floor and from mine roof to surface. Report any mine workings encountered in formation log intervals section of Form 5.

### **Attachment Check List**

Att Doc Num	Name
2532978	WELL LOCATION PLAT
2532984	DEVIATED DRILLING PLAN
400313607	FORM 2 SUBMITTED
400313660	MINERAL LEASE MAP
400319870	DIRECTIONAL DATA
400320890	SURFACE AGRMT/SURETY
400321153	OTHER

Total Attach: 7 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final review completed; no LGD or public comment received.	8/31/2012 6:45:15 AM
Permit	Operator verified that this is the correct directional survey. No change in bottom hole except the small skid at the surface. The rig skid resulted from a less than desirable pilot hole which was already sidetrack (02). Operator determined that a new hole is best, drilled as a horizontal with no pilot.	8/29/2012 8:15:55 AM
Permit	Return to Draft: Well name submitted on permit does not match deviated drill plan and well location plat attachments.	8/27/2012 11:53:23 PM

Total: 3 comment(s)

### **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>

Total: 0 comment(s)