

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:

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Date Received:

07/15/2013

PluggingBond SuretyID

20110188

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: TEKTON WINDSOR LLC4. COGCC Operator Number: 103925. Address: 640 PLAZA DRIVE #290

City: HIGHLANDS State: CO Zip: 80129
RANCH

6. Contact Name: CLAYTON DOKE Phone: (303)216-0703 Fax: (303)216-2139Email: cdoke@iptengineers.com7. Well Name: FRYE FARMS 12 Well Number: 1-3-33-090-4-NH

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

9. Proposed Total Measured Depth: 11919

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 32 Twp: 6N Rng: 67W Meridian: 6Latitude: 40.439530 Longitude: -104.910810

Footage at Surface: 1282 feet FNL/FSL 1188 feet FEL/FWL FEL
FSL

11. Field Name: WATTENBERG Field Number: 9075012. Ground Elevation: 4880 13. County: WELD

14. GPS Data:

Date of Measurement: 11/14/2012 PDOP Reading: 1.8 Instrument Operator's Name: BRAIN ROTINGHAUS15. 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 _____
2145 FNL 460 FWL 2145 FNL 460 FEL
 Sec: 33 Twp: 6N Rng: 67W Sec: 33 Twp: 6N Rng: 67W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No17. Distance to the nearest building, public road, above ground utility or railroad: 331 ft18. Distance to nearest property line: 282 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 330 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	GWA

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):

TOWNSHIP 6 NORTH, RANGE 67 WEST, SECTION 33; ALL

25. Distance to Nearest Mineral Lease Line: 460 ft

26. Total Acres in Lease: 640

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
SURF	12+1/4	9+5/8	36	0	850	444	850	0
1ST	8+3/4	7	23	0	7692	747	7692	3000
1ST LINER	6+1/8	4+1/2	11.6	6874	11919			

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

33. Comments No conductor casing will be run. Pad slot #12. This well is a Rule 318A.a.(4)D Horizontal GWA Well; Proposed Spacing Unit: N/2 Sec. 33-T6N-R67W. PSU Map is attached. Well distance to nearest spacing unit boundary = 460'. Operator is the only owner as defined in C.R.S. §34-60-103(7) within the proposed spacing unit and waives notification and 30-day Rule 318A.e(6). Tekton respectfully requests that the Rule 318A.a.(4)D Horizontal well and proposed spacing unit be approved. Memorandum of SUA is attached. The distance cited in question #17 is to the public road [Kestrel Drive] to the North.

34. Location ID: 427534

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: CLAYTON DOKE

Title: SENIOR ENGINEER Date: 7/15/2013 Email: cdoke@iptengineers.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: 9/25/2013

API NUMBER

05 123 38128 00

Permit Number: _____ Expiration Date: 9/24/2015

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.

Description

1)Provide notice of MIRU via an electronic Form 42.

2)Comply with Rule 317.i and provide cement coverage a minimum of 200' above the Niobrara. Verify cement coverage with a cement bond log per Rule 317.o.

Operator must meet water well testing requirements per Rule 318A.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
2167110	OFFSET WELL EVALUATION
400443004	FORM 2 SUBMITTED
400443048	VARIANCE REQUEST
400443049	WELL LOCATION PLAT
400443050	PROPOSED SPACING UNIT
400443051	DEVIATED DRILLING PLAN
400443053	DIRECTIONAL DATA
400447599	SURFACE AGRMT/SURETY

Total Attach: 8 Files

General Comments

User Group	Comment	Comment Date
Permit	Opr requested that three wells (11, 12, 13) be approved and an amended 2A will be submitted for additional wells. Final review complete.	9/24/2013 12:40:46 PM
Permit	Form 2A was approved for 9 wells, 6 have been approved, now have total of 11 submitted. Have requested opr to decide which 3 of the final 5 he wants approved.	8/7/2013 10:22:14 AM
Engineer	Evaluated offset wells for adequate coverage.	8/5/2013 11:04:16 AM
Permit	Attached offset well evaluation attachment as per Opr.	7/18/2013 12:27:23 PM
Permit	Missing the offset well attachment. Opr notified.	7/17/2013 11:45:02 AM
LGD	<p>Approval of the conditional use grant is subject to the following conditions:</p> <p>1.Prior to the commencement of drilling, the applicant must submit the following information for review and approval by the Town:</p> <p>a.The applicant shall submit a comprehensive Initial Drilling and Site Improvement Plan regarding drilling activities and initial installation of related site improvements details pertaining to all of the following:</p> <p>(1)Site access plan.This item shall address permitting and approval of a driveway access on Crossroads Blvd. including permitting, access paving, culvert design, drainage and other improvements to the driveway access point on Crossroads Blvd.</p> <p>(2)Public street clean-up and tracking prevention. This item shall include a tracking pad to be reviewed and approved by the Town.</p> <p>(3)Site grading.This item shall address proposed site grading, including any earth</p>	7/17/2013 11:06:04 AM

	<p>berms for emergency containment.</p> <p>(4)The following notes and certification blocks shall be included on the Initial Drilling and Site Improvement Plan:</p> <p>i.The applicant shall comply with all rules and regulations of the Colorado Oil and Gas Conservation Commission.</p> <p>ii.The facilities shall be kept clean and otherwise properly maintained at all times.</p> <p>iii.A signed owner's acknowledgement certification block.</p> <p>iv.The access permit for the current access to Crossroads Blvd. shall only be approved for temporary agricultural and oil and gas well activities.This access point is temporary and will be required to be removed at such time that permanent access is available in the future.</p> <p>b.The applicant shall submit a comprehensive Perpetual Maintenance Plan regarding the on-going life of the wells that includes, but is not limited to, details pertaining to all of the following:</p> <p>(1)Site access plan.This item shall address permitting and approval of a driveway access on Crossroads Blvd. including permitting, access paving, culvert design, drainage and other improvements to the driveway access point on Crossroads Blvd.</p> <p>(2)On-going public street cleaning.This item shall include a tracking to be reviewed and approved by the Town.</p> <p>(3)Site lighting.This item shall include details regarding site lighting fixtures and locations.Security and other site lighting shall utilize full cutoff light fixtures to mitigate light pollution.</p> <p>(4)The following notes shall be included on the Perpetual Maintenance Plan:</p> <p>i.The applicant shall maintain compliance with all rules and regulations of the Colorado Oil and Gas Conservation Commission.</p> <p>ii.The facilities shall be kept clean and otherwise properly maintained at all times.</p> <p>iii.A signed owner's acknowledgement certification block.</p> <p>iv.The access permit for the current access to Crossroads Blvd. shall only be approved for temporary agricultural and oil and gas well activities.This access point is temporary and will be required to be removed at such time that permanent access is available in the future.</p> <p>c.The applicant shall obtain any applicable building permits from the Town prior to constructing any improvements on site.</p> <p>d.The applicant shall address and comply with the conditions of Windsor-Severance Fire Rescue.</p> <p>2.The following conditions of approval shall be incorporated into the aforementioned plans for review and approval:</p> <p>a.The applicant shall utilize electric motors in order to mitigate the noise impacts on the adjacent residential neighbors.</p> <p>b.The applicant shall ensure that the wells and tanks are of the minimum size required to satisfy present and future functional requirements to mitigate visual impacts.</p>	
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Permit	This form has passed completeness.	7/16/2013 12:23:59 PM
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Total: 7 comment(s)

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Drilling/Completion Operations	Bradenhead Monitoring BMP: Operator will comply with COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012.
2	Drilling/Completion Operations	Anti-Collision BMP: Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed wells. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5.

Total: 2 comment(s)