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Document Number:
400210237

PluggingBond SuretyID
19980020

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: CHESAPEAKE OPERATING INC 4. COGCC Operator Number: 16660
 5. Address: P O BOX 18496
 City: OKLAHOMA CITY State: OK Zip: 73154-0496
 6. Contact Name: SETH SANDERS Phone: (405)935-2567 Fax: (405)849-2567
 Email: seth.sanders@chk.com
 7. Well Name: HEIBY 18-8-66 Well Number: 1H
 8. Unit Name (if appl): _____ Unit Number: _____
 9. Proposed Total Measured Depth: 10875

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 18 Twp: 8N Rng: 66W Meridian: 6
 Latitude: 40.666837 Longitude: -104.828527
 Footage at Surface: 676 feet FNL 609 feet FWL
 11. Field Name: WILDCAT Field Number: 99999
 12. Ground Elevation: 5245 13. County: WELD

14. GPS Data:
 Date of Measurement: 09/07/2011 PDOP Reading: 2.3 Instrument Operator's Name: Paul Orme

15. If well is Directional Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: 1251 FNL 614 FWL Bottom Hole: 600 FSL 654 FWL
 Sec: 18 Twp: 8N Rng: 66W Sec: 18 Twp: 8N Rng: 66W

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: 1214 ft
 18. Distance to nearest property line: 609 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 6864 ft

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	535-2	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 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):

ALL Sec 18-8N-66W

25. Distance to Nearest Mineral Lease Line: 609 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: RELIABLE SERVICES

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	24	16		0	80		80	0
SURF	12+1/4	9+5/8	40#	0	1,000	322	1,000	0
1ST	8+3/4	5+1/2	17#	0	6,575	532	6,535	
1ST LINER	8+3/4	4+1/2	11.6#	6575	10,875	1,054	10,875	

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

33. Comments _____

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: SETH SANDERS

Title: REGULATORY COMP. ANALYST Date: 9/30/2011 Email: seth.sanders@chk.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. Nesline Director of COGCC Date: 10/28/2011

API NUMBER
05 123 34627 00

Permit Number: _____ Expiration Date: 10/27/2013

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 hour notice of MIRU to Jim Precup via e-mail at jim.precup@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.
- 3) Comply with Rule 321. Run and submit Directional Survey from the end of production casing 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
2481216	SURFACE CASING CHECK
400210237	FORM 2 SUBMITTED
400210254	WELL LOCATION PLAT
400210257	DRILLING PLAN
400210259	DEVIATED DRILLING PLAN

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Permit	No LGD or public comment received.	10/25/2011 9:20:00 AM
Permit	Ready to pass pending public comment 10/24/11	10/5/2011 8:01:34 AM
Permit	Requesting clarification on #19.	10/4/2011 4:07:25 PM
Permit	Returned to draft. Should be a horizontal well. Missing mineral lease description.	9/30/2011 11:43:39 AM

Total: 4 comment(s)

BMP

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

Total: 0 comment(s)