

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:

400410792

Date Received:

04/29/2013

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

PluggingBond SuretyID

20120011

3. Name of Operator: NIGHTHAWK PRODUCTION LLC

4. COGCC Operator Number: 10399

5. Address: 1805 SHEA CENTER DR #290

City: HIGHLANDS RANCH State: CO Zip: 80129

6. Contact Name: KYLA VAUGHAN Phone: (505)326-2107 Fax: ()

Email: KVAUGHAN@LTENV.COM

7. Well Name: BIG SKY Well Number: 4-11

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

9. Proposed Total Measured Depth: 8600

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 11 Twp: 6S Rng: 54W Meridian: 6

Latitude: 39.548770 Longitude: -103.414600

Footage at Surface: 615 feet FNL/FSL FNL 622 feet FEL/FWL FWL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 5193 13. County: LINCOLN

14. GPS Data:

Date of Measurement: 12/21/2012 PDOP Reading: 2.5 Instrument Operator's Name: KEITH WESTFALL

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: 615 ft

18. Distance to nearest property line: 615 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1380 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.)
ARBUCKLE	ABCK			
ATOKA	ATOK			
CHEROKEE	CHRK			
LANSING KANSAS CITY	LGKC			
MARMATON	MRTN			
MISSISSIPPIAN	MSSP			
MORROW	MRRW			
SPERGEN	SPGN			
WARSAW	WRSW			
WOLFCAMP	WFCMP			

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):
SEC 11, T6S, R54W: W/2

25. Distance to Nearest Mineral Lease Line: 615 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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? Yes No

31. Mud disposal: Offsite Onsite
Method: Land Farming Land Spreading Disposal Facility Other: BACKFILL WHEN DRY

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

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	8+5/8	24	0	300	197	300	0
1ST	7+7/8	5+1/2	17	0	8,600	584	8,600	3,619

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

33. Comments Nighthawk drilled to 6193', started out of the hole to chg BH assembly around when the top drive on the rig had some mechanical problems. We could not circulate the well for over an hour. Once the top drive issue was resolved, we tried to continue to trip out and were stuck. We backed off and tripped in with fishing tools and attempted to fish for two days w/no success and then the bit became plugged and this resulted in NH making the decision to back off at 5650', leave the BHA in the hole and initiate a plug back & sidetrack in order to drl this well to original BHL. See attached KOP plan. Verbal/email approval for plug back and sidetrack was given by Dirk Sutphin @ 9:08 on 04/29/2013.

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: Kyla Vaughan

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:



Director of COGCC

Date: 5/15/2013

API NUMBER

05 073 06523 01

Permit Number: _____

Expiration Date: 5/14/2015

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.

- 1) If production casing is set provide cement coverage to at least 200' above the shallowest completed interval or Spergen, whichever is shallower and across Cheyenne/Dakota interval (up to 4500' min). Run and submit CBL verify cemented intervals.
- 2) If well is a dry hole set plugs at the following depths: 40 sks cement +/- 50' above the Spergen, 40 sks cement across any DST w/ show, 40 sks cement 100' below Cheyenne, 40 sks cement 50' above top of Dakota (4500' up), 50 sks cement from 50' below surface casing shoe up into surface casing, 15 sks cement in top of surface casing, cut 4 ft below
GL, weld on plate, 5 sks cement each in rat hole and mouse hole.

Attachment Check List

Att Doc Num	Name
2518390	CORRESPONDENCE
400410792	FORM 2 SUBMITTED
400410799	OTHER
400410840	PROPOSED BMPs

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Permit	This permit is the result of a lost hole emergency sidetrack. Final review completed; no public comment received.	5/6/2013 7:53:52 AM
LGD	Original County permit #1324 still valid.	4/30/2013 8:26:36 AM

Total: 2 comment(s)

BMP

Type	Comment
Construction	See Attached

Total: 1 comment(s)