

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:

400433222

Date Received:

06/13/2013

## 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

20040105

3. Name of Operator: BERRY PETROLEUM COMPANY 4. COGCC Operator Number: 10091

5. Address: 1999 BROADWAY STE 3700  
City: DENVER State: CO Zip: 80202

6. Contact Name: HEIDI BANG Phone: (303)999-4262 Fax: (303)999-4362  
Email: HSB@BRY.COM

7. Well Name: DEEP GULCH Well Number: OM10A G01 696

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

9. Proposed Total Measured Depth: 11675

## WELL LOCATION INFORMATION

10. QtrQtr: LOT 9 Sec: 1 Twp: 6S Rng: 96W Meridian: 6

Latitude: 39.556527 Longitude: -108.054811

Footage at Surface: 2386 feet FNL 1749 feet FEL

11. Field Name: PARACHUTE Field Number: 67350

12. Ground Elevation: 8351 13. County: GARFIELD

### 14. GPS Data:

Date of Measurement: 06/30/2010 PDOP Reading: 2.6 Instrument Operator's Name: IVAN MARTIN

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  
3394 FNL 1674 FEL 3394 FNL 1674 FEL  
Sec: 1 Twp: 6S Rng: 96W Sec: 1 Twp: 6S Rng: 96W

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: 16120 ft

18. Distance to nearest property line: 1749 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 443 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.)
WILLIAMS FORK	WMFK	510-49		LOTS 3 THRU 14

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):

MINERAL LEASE ATTACHED TO ORIGINAL APD.

25. Distance to Nearest Mineral Lease Line: 665 ft 26. Total Acres in Lease: 25000

### 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: TOTAL CLOSED LOOP

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	30	20	55	0	90	100	90	0
SURF	16	9+5/8	36	0	2500	1000	2500	0
1ST	8+3/4	4+1/2	11.6	0	11675	600	11675	

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

33. Comments There are no changes from previous APD. I CERTIFY THAT THERE HAVE BEEN NO CHANGES ON LAND USE, LEASE DESCRIPTION. THE PAD HAS NOT BEEN BUILT. THE PIT HAS NOT BEEN CONSTRUCTED. Wells have NOT been drilled. Conductors have NOT been set. No rig on site. The refile will require expansion / additional surface disturbance of pad. The location does not require a variance from any of the rules listed in Rule 306.d. (1). (A). (ii). The location is not in a restricted surface occupancy area. The location is in a sensitive wildlife habitat area for Elk Production. The production casing Top of Cement will be 200' above the Top of Gas. Mud and cutting disposal will be by evaporation and bury if the mud and cuttings meet the standards listed in Table 910-1.

34. Location ID: 419546

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: HEIDI BANG

Title: REG COMPLIANCE ASST Date: 6/13/2013 Email: HSB@BRY.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: 11/22/2013

API NUMBER Permit Number: \_\_\_\_\_ Expiration Date: 11/21/2015

05 045 19980 00

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) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.
- (2) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE GARFIELD COUNTY RULISON-FIELD NOTICE TO OPERATORS IS REQUIRED.
- (3) COMPLY WITH ALL PROVISIONS OF THE JUNE 12, 2008 NOTICE TO OPERATORS DRILLING WELLS WITHIN ¼ MILE OF THE RIM OF THE ROAN PLATEAU IN GARFIELD COUNTY -- PIT DESIGN, CONSTRUCTION, AND MONITORING REQUIREMENTS. SEE ATTACHED NOTICE.
- (4) CEMENT ON PRODUCTION CASING MUST BE A MINIMUM OF 200' ABOVE THE TOP OF THE MESA-VERDE FORMATION (OR 200' ABOVE THE OHIO CREEK FORMATION IF PRESENT). CEMENT TOP VERIFICATION BY CBL IS REQUIRED.

Mud and cutting disposal will be by evaporation and bury if the mud and cuttings meet the standards listed in Table 910-1. See attached Mud and Cuttings Disposal document.

Passes Permitting. See attached document concerning cuttings disposal. Changed sensitive area query to YES to be consistent with original 2A.

Data retrieval failed for the subreport 'IntPolicy\_NTO' located at: \\DorDorSterling\oFormReports\policy\_nto.rdl. Please

**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
2622645	Mud and Cuttings Disposal
400433222	FORM 2 SUBMITTED

Total Attach: 2 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Final Review	Changed #36 "Is this application part of submitted Oil and Gas Location Assessment?" from NULL to YES.	11/22/2013 11:18:43 AM
LGD	pass, gdb	8/26/2013 3:19:38 PM
Engineer	THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 00 FEET DEEP.	8/19/2013 2:08:59 PM
Engineer	sent OPR rep and COGCC Environmental staff question and concerns about possible OBM in Roan Cliffs NTO area. However, opr says TOTAL CLOSED LOOP to be used. Other recently-approved APDs for this pad note "Y = OBM" and also closed loop.	8/19/2013 2:07:34 PM
Agency	Questions 29 and 31 are different from original APD. Answers to question 31 are not consistent. Permitter will sort out mud disposal. Passing completeness.	8/16/2013 2:22:07 PM

Total: 5 comment(s)

**Best Management Practices**

<b>No</b>	<b>BMP/COA Type</b>	<b>Description</b>