

FORM  
2

Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
----	----	----	----

Document Number:

2557816

Plugging Bond Surety

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

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

Refiling ☐

Sidetrack ☐

3. Name of Operator: EAST RESOURCES MANAGEMENT LLC

4. COGCC Operator Number: 10083

5. Address: 190 THORN HILL ROAD

City: WARRENDALE State: PA Zip: 15086

6. Contact Name: V. BRIAN DOLAN Phone: (303)865-5957 Fax: (303)865-5961  
Email: BDOLAN@EASTRESOURCESINC.COM

7. Well Name: WFU DURHAM Well Number: 2-31 SE

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

9. Proposed Total Measured Depth: 6840

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 31 Twp: 5N Rng: 90W Meridian: 6

Latitude: 40.334420 Longitude: -107.535920

Footage at Surface: 106 FNL/FSL FSL 2520 FEL/FWL FEL

11. Field Name: WADDLE CREEK Field Number: 90450

12. Ground Elevation: 6702 13. County: MOFFAT

14. GPS Data:

Date of Measurement: 03/18/2010 PDOP Reading: 1.3 Instrument Operator's Name: B. POWERS

15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FNL/FSL Bottom Hole: FNL/FSL FNL/FSL  
748 FNL 804 FWL 1537 FSL 2698 FEL  
Sec: 8 Twp: 4N Rng: 90W Sec: 8 Twp: 4N Rng: 90W

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: 151 ft

18. Distance to nearest property line: 259 ft 19. Distance to nearest well permitted/completed in the same formation: 1680 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 ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 20100123

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 Bon ☒ \$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):  
SEE ATTACHED EXHIBIT "A" AND "EXHIBIT B" ATTACHMENTS.

25. Distance to Nearest Mineral Lease Line: 748 ft 26. Total Acres in Lease: 1171

### 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☒ Offsite ☐ Onsite

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	13+1/2	10+3/4	40.5	850	311	850	0
1ST	9+7/8	7+5/8	26.4	3,520	74	3,520	2,820
2ND	6+3/4	5+1/2	17	6,840	0		

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

33. Comments A SURFACE USE AGREEMENT IS CURRENTLY BEING NEGOTIATED. PLEASE SEE ATTACHED LETTER. SURFACE OWNER IS THE SAME IN BOTH SECTIONS 31 AND 9.\* \* see internal

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: V. BRIAN DOLAN

Title: OPERATIONS Date: 6/7/2010 Email: BDOLAN@EASTRESOURCES

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. Neslin Director of COGCC Date: 8/20/2010

#### API NUMBER

05 081 07620 00

Permit Number: \_\_\_\_\_ Expiration Date: 8/19/2012

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.

The rig height of 66' was provided. The rig used to drill the subject well must not have a derrick height of greater than 2/3rds of 151 feet or 101 feet.

(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) CEMENT ON PRODUCTION CASING MUST BE AT LEAST 200' ABOVE TOP OF FT. UNION AND COMPLY WITH RULES 209 AND 317.I. SEGREGATE OIL, GAS, AND FRESH-WATER-BEARING ZONES AND PROTECT COAL SEAMS. VERIFY TOP WITH CBL.

(3) 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.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
1693459	DEVIATED DRILLING PLAN	LF@2520394 1693459
1693460	DEVIATED DRILLING PLAN	LF@2520395 1693460
1693461	DEVIATED DRILLING PLAN	LF@2520396 1693461
2557816	APD ORIGINAL	LF@2488223 2557816
2557817	WELL LOCATION PLAT	LF@2488224 2557817
2557818	TOPO MAP	LF@2488425 2557818
2557819	MINERAL LEASE MAP	LF@2488225 2557819
2557820	LEGAL/LEASE DESCRIPTION	LF@2488226 2557820
2557821	CORRESPONDENCE	LF@2488227 2557821
2557822	SURFACE AGRMT/SURETY	LF@2488228 2557822
2557823	DEVIATED DRILLING PLAN	LF@2488229 2557823
2557824	OTHER	LF@2488230 2557824

Total Attach: 12 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Received corrected & added Deviated Drilling Plan from operator. 8/6/10 plg.	8/10/2010 8:17:23 AM
Permit	W/O Rig Height (151' f/overhead utility). 8/3/10 plg.	8/4/2010 9:07:32 AM

Total: 2 comment(s)

Error: Subreport could not be shown.