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|--|--|---|--|--------------------------------------|----|----|----|
| 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 |  | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> | DE | ET | OE | ES |
| DE | ET | OE | ES | | | | |
| APPLICATION FOR PERMIT TO: | | | Document Number: <div style="text-align: center;">400145733</div> Plugging Bond Surety <div style="text-align: center;">20030058</div> | | | | |
| 1. <input checked="" type="checkbox"/> Drill, <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate | | | | | | | |
| 2. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/> | | Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/> | | | | | |
| 3. Name of Operator: <u>EOG RESOURCES INC</u> | | 4. COGCC Operator Number: <u>27742</u> | | | | | |
| 5. Address: <u>600 17TH ST STE 1100N</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u> | | | | | | | |
| 6. Contact Name: <u>Nanette Lupcho</u> Phone: <u>(435)781-9157</u> Fax: <u>(435)789-7633</u> Email: <u>Nanette_Lupcho@eogresources.com</u> | | | | | | | |
| 7. Well Name: <u>Horse Ditch</u> | | Well Number: <u>05-10H</u> | | | | | |
| 8. Unit Name (if appl): _____ | | Unit Number: _____ | | | | | |
| 9. Proposed Total Measured Depth: <u>10386</u> | | | | | | | |
| WELL LOCATION INFORMATION | | | | | | | |
| 10. QtrQtr: <u>SESE</u> Sec: <u>10</u> Twp: <u>8N</u> Rng: <u>59W</u> Meridian: <u>6</u> Latitude: <u>40.670894</u> Longitude: <u>-103.954631</u> | | | | | | | |
| Footage at Surface: <u>501</u> feet FNL/FSL <u>FSL</u> <u>501</u> feet FEL/FWL <u>FEL</u> | | | | | | | |
| 11. Field Name: <u>Wildcat</u> | | Field Number: <u>99999</u> | | | | | |
| 12. Ground Elevation: <u>4766</u> | | 13. County: <u>WELD</u> | | | | | |
| 14. GPS Data: Date of Measurement: <u>12/21/2010</u> PDOP Reading: <u>1.2</u> Instrument Operator's Name: <u>Robert Kay</u> | | | | | | | |
| 15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) submit deviated drilling plan. Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL <div style="display: flex; justify-content: space-around;"> <u>929</u> <u>FSL</u> <u>722</u> <u>FEL</u> <u>600</u> <u>FNL</u> <u>2639</u> <u>FEL</u> </div> <div style="display: flex; justify-content: space-around;"> Sec: <u>10</u> Twp: <u>8N</u> Rng: <u>59W</u> Sec: <u>10</u> Twp: <u>8N</u> Rng: <u>59W</u> </div> | | | | | | | |
| 16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | |
| 17. Distance to the nearest building, public road, above ground utility or railroad: <u>4292 ft</u> | | | | | | | |
| 18. Distance to nearest property line: <u>1151 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>10350 ft</u> | | | | | | | |
| 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 | 535-3 | 640 | ALL | | | |

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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#: 20090114

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):
Please see attached lease description.

25. Distance to Nearest Mineral Lease Line: 28 ft 26. Total Acres in Lease: 1040

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: Backfill and cover

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 | 20 | 16 | 42 | 0 | 60 | 50 | 60 | 0 |
| SURF | 13+1/2 | 9+5/8 | 36 | 0 | 1,110 | 420 | 1,110 | 0 |
| 1ST | 8+3/4 | 7 | 23 | 0 | 6,215 | 660 | 6,215 | 0 |
| 1ST LINER | 6 | 4+1/2 | 11.6 | 5465 | 10,386 | 305 | 10,386 | 5,465 |

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

33. Comments A spacing application has been filed.

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: Nanette Lupcho

Title: Regulatory Assistant Date: 3/29/2011 Email: Nanette_Lupcho@eogresource

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: 4/22/2011

API NUMBER

05 123 33436 00

Permit Number: _____ Expiration Date: 4/21/2013**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.

Note surface casing setting depth change from 800' to 1110'. Increase cement coverage accordingly and cement to surface.

- 1) Provide 24 hr notice of spud to Colby Horton at 970-467-2517 or colby.horton@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

PROPOSED HORIZONTAL WELL BORE IS TO BE DRILLED INTO UNLEASED FEDERAL MINERALS. OPERATOR DISCUSSION WITH BLM REQUIRED: UNLEASED FEDERAL MINERALS CANNOT BE DRILLED UPON/PRODUCED REGARDLESS OF SPACING ORDER: REQUIRED SETBACKS TO BE MAINTAINED---INTERAGENCY DISCUSSION PURSUANT TO MOU COGCC,BLM,USFS 6-24-09 H.2.d

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 400145733 | FORM 2 SUBMITTED |
| 400145746 | PLAT |
| 400145747 | TOPO MAP |
| 400145748 | DEVIATED DRILLING PLAN |
| 400145749 | DRILLING PLAN |
| 400145750 | LEGAL/LEASE DESCRIPTION |

Total Attach: 6 Files

General Comments

| User Group | Comment | Comment Date |
|------------|---|-------------------------|
| Permit | This well appears to pass thru Fed. minerals. | 3/29/2011 1:20:24 PM |

Total: 1 comment(s)

BMP

| Type | Comment |
|------|---------|
| | |

Total: 0 comment(s)