

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:

400440930

Date Received:

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

20010124

3. Name of Operator: KERR-MCGEE OIL & GAS ONSHORE LP

4. COGCC Operator Number: 47120

5. Address: P O BOX 173779

City: DENVER State: CO Zip: 80217-3779

6. Contact Name: Cheryl Light Phone: (720)929-6461 Fax: (720)929-7461

Email: cheryl.light@anadarko.com

7. Well Name: HARRIS FEDERAL Well Number: 15N-18HZ

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

9. Proposed Total Measured Depth: 16336

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 19 Twp: 3N Rng: 66W Meridian: 6

Latitude: 40.204786 Longitude: -104.817113

Footage at Surface: 682 feet FNL/FSL FSL 1801 feet FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4832 13. County: WELD

14. GPS Data:

Date of Measurement: 03/19/2013 PDOP Reading: 1.5 Instrument Operator's Name: BEN HARDENBERGH

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

Footage at Top of Prod Zone: FNL/FSL FSL 1256 FSL 1850 FEL 400 FNL 1850 FEL
 Sec: 19 Twp: 3N Rng: 66W Sec: 18 Twp: 3N 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: 658 ft

18. Distance to nearest property line: 207 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 261 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 | | 360 | GWA |

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: _____22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian23. 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 ☐ No23b. 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):

SEE ATTACHED LEASE DESCRIPTION. HORIZONTAL WELLBORE CROSSES LEASE LINES WITH DRILLING AND SPACING UNIT, DISTANCE TO LEASE LLINE IS 0'; DISTANCE TO UNIT BOUNDARY IS > 460'.

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 510

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: _____

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 | 13+1/2 | 9+5/8 | 36 | 0 | 569 | 250 | 569 | 0 |
| 1ST | 8+3/4 | 7+0/0 | 26 | 0 | 7,429 | 750 | 7,429 | 0 |
| 1ST LINER | 6+1/8 | 4+1/2 | 11.6 | 6432 | 16,336 | | | |

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

33. Comments No conductor casing will be used./Unit Configuration: SECTION 7: SW/4SE/4; SECTION 18 W/2E/2; SECTION 19 W/2E/2/The surface location of this well is an exception to Rule 318A.a . An exception location request letter and signed waiver are attached to the Form 2 and Form 2A./Operator will run open hole logs into the surface casing on the first well drilled on this pad./Operator intends to use an oil based drilling fluid during drilling of the lateral section of the wellbore. Cuttings will be processed on location and further remediated in our land farm and/or disposed of at a commercial waste disposal facility. The drilling fluid will be returned to the vendor and/or disposed at a commercial waste disposal facility.

34. Location ID: 329567

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: CHERYL LIGHT

Title: SR. REGULATORY ANALYST

Date: _____

Email: DJREGULATORY@ANADARK

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: _____

API NUMBER

05

Permit Number: _____ Expiration Date: _____

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.

Date retrieval failed for the subreport 'IntPolicy_NTC' located at: W:\testsub\Net\Reports\policy_ntr.rdl. Please check th

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 400441047 | PROPOSED SPACING UNIT |
| 400441058 | DIRECTIONAL DATA |
| 400441059 | 30 DAY NOTICE LETTER |
| 400441061 | SURFACE AGRMT/SURETY |
| 400441063 | EXCEPTION LOC REQUEST |
| 400441074 | OFFSET WELL EVALUATION |
| 400441075 | EXCEPTION LOC WAIVERS |
| 400441079 | PLAT |
| 400441080 | DEVIATED DRILLING PLAN |
| 400441093 | LEGAL/LEASE DESCRIPTION |
| 400441121 | OFFSET WELL EVALUATION |
| 400441149 | OTHER |

Total Attach: 12 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|-------------------|----------------|---------------------|
| | | |

Total: 0 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|--------------------------------|---|
| Drilling/Completion Operations | Prior to drilling operations, Operator may perform an anti-collision review of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision review may include MWD or gyro surveys and surface locations of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well may only be drilled if the anti-collision review results indicate that the risk of collision is sufficiently low as defined by the anti-collision plan, with separation factors greater than 1.5, or if the risk of collision has been mitigated through other means including shutting in wells, plugging wells, increased drilling fluid in the event of lost returns or as is appropriate for the specific situation. In the event of an increased risk of collision, that risk will be mitigated to prevent harm to people, the environment or property. For the proposed well, upon conclusion of drilling operations, an as-constructed directional survey will be submitted to COGCC with the Form 5. |
| Drilling/Completion Operations | Kerr McGee acknowledges and will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. |

Total: 2 comment(s)