

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF PRIMA EXPLORATION, INC. FOR AN ORDER CREATING A PERMANENT SPACING UNIT ("PSU") COMPRISED OF ALL OF SECTIONS 1, 12 AND 13, TOWNSHIP 26 NORTH, RANGE 59 EAST, M.P.M., RICHLAND & ROOSEVELT COUNTIES, MONTANA, FOR THE PRODUCTION OF OIL AND ASSOCIATED NATURAL GAS FROM THE BAKKEN/THREE FORKS FORMATION THEREUNDER, AND ANY OTHER RELIEF THAT THE MBOGC MAY DEEM APPROPRIATE.

**MBOGC DOCKET NO. 93-2025**  
**APPLICATION**

**PRIMA EXPLORATION, INC., 250 FILLMORE STREET, SUITE 500, DENVER, CO 80206:**

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands, and its Bullion 13-1 1H and Bullion 13-1 2H wells have been successfully completed as commercial producers of oil and associated natural gas from the Bakken/Three Forks formation thereunder.
2. The Bullion 13-1 1H and Bullion 13-1 2H wells are completed in a reservoir containing common accumulations of oil and associated natural gas in the Bakken/Three Forks formation. To efficiently and economically develop the reservoir, and to protect correlative rights of all owners in the captioned lands, All of Sections 1, 12 and 13, Township 26 North, Range 59 East, M.P.M., Roosevelt and Richland Counties, Montana should be designated a PSU for the production of oil and associated natural gas from the Bakken/Three Forks formation.
3. Lot 6, Block 1 (located in S½) of Section 13, Township 26 North, Range 59 East, M.P.M. contains federal minerals.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order designating All of Sections 1, 12 and 13, Township 26 North, Range 59 East, M.P.M., Roosevelt and Richland Counties, Montana, a PSU for the production of oil and associated natural gas from the Bakken/Three Forks formation from the Bullion 13-1 1H and Bullion 13-1 2H wells.

Dated this 3<sup>rd</sup> day of February, 2025.

**PRIMA EXPLORATION, INC.**

**RECEIVED**

**FEB 05 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

By



Uriah J. Price, Its Attorney  
Crowley Fleck, PLLP  
P. O. Box 10969  
Bozeman, MT 59719  
[uprice@crowleyfleck.com](mailto:uprice@crowleyfleck.com)

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF PRIMA EXPLORATION, INC. FOR AN ORDER POOLING ALL INTERESTS IN THE PERMANENT SPACING UNIT ("PSU") COMPRISED OF ALL OF SECTIONS 1, 12 AND 13, TOWNSHIP 26 NORTH, RANGE 59 EAST, M.P.M., RICHLAND & ROOSEVELT COUNTIES, MONTANA, FOR THE PRODUCTION OF OIL AND ASSOCIATED NATURAL GAS FROM THE BAKKEN/THREE FORKS FORMATION THEREUNDER, REQUEST FOR NON-CONSENT PENALTIES AND ANY OTHER RELIEF THAT THE MBOGC MAY DEEM APPROPRIATE.

**MBOGC DOCKET NO.** 94-2025

**APPLICATION**

**PRIMA EXPLORATION, INC.**, 250 FILLMORE STREET, SUITE 500, DENVER, CO 80206:

**[A]     Presents the following application:**

1.        Applicant is an interest owner and operator within the above-described lands, and its Bullion 13-1 1H and Bullion 13-1 2H wells have been successfully completed as commercial producers of oil and associated natural gas from the Bakken/Three Forks formation thereunder.
2.        It is anticipated that the captioned lands will comprise a PSU for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_\_-2025.
3.        As of the date of this application, Applicant has been unable to establish voluntary pooling of all interests within the spacing unit with respect to the Bullion 13-1 1H and Bullion 13-1 2H wells, and it is anticipated that such pooling cannot be consummated prior to the hearing on this application.
4.        In the absence of voluntarily pooling of all interests within the proposed PSU, the pooling of all interests in the spacing unit for the development and operation thereof should be effectuated by an order of the Board for that purpose.
5.        Lot 6, Block 1 (located in S½) of Section 13, Township 26 North, Range 59 East, M.P.M. contains federal minerals.

**[B]     Requests:**

1.        This matter be set for hearing, with notice given as required by law and the MOU;
2.        After hearing the matter, the Board enter its order pooling all interests in the PSU comprised of All of Sections 1, 12 and 13, Township 26 North, Range 59 East, M.P.M., Roosevelt and Richland Counties, Montana, for the production of oil and associated natural gas from the Bakken/Three Forks formation, and authorizing recovery of non-consent penalties in accordance with Section 82-11-202(2), M.C.A., with respect to the Bullion 13-1 1H and Bullion 13-1 2H wells.

Dated this 3<sup>rd</sup> day of February, 2025.

**RECEIVED**

**FEB 05 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**PRIMA EXPLORATION, INC.**

By



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**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING A TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 12, 13 AND 24, TOWNSHIP 27 NORTH, RANGE 56 EAST, M.P.M., RICHLAND AND ROOSEVELT COUNTIES, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID TSU, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 7-2025

**MBOGC DOCKET NO.** 95-2025

**APPLICATION**

**RECEIVED**

**FEB 26 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A] Presents the following application:**

1. Applicant is an interest owner within all or portions of Sections 12, 13 and 24, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana. Said Sections 12, 13 and 24 are presently subject only to the areawide state spacing order for Bakken/Three Forks production.
2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, a TSU comprised of All of Sections 12, 13 and 24, Township 27 North, Range 56 East, M.P.M.
3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.
4. Applicant notes that federal minerals are located within certain tracts affected by this application, namely the N/2NE/4, SE/4NE/4 and NE/4SE/4 of Section 12, and the SE/4NE/4, W/2NW/4, SW/4 and E/2SE/4 of Section 24, Township 27 North, Range 56 East, M.P.M.
5. A portion of the subject lands is Indian land, namely the NE/4SW/4 of Section 12, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.

**[B] Requests:**

1. This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and
2. After hearing the matter, the BLM and MBOGC enter their respective orders creating a TSU comprised of All of Sections 12, 13 and 24, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such TSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order.

DATED this 24<sup>th</sup> day of February, 2025.

**KRAKEN OIL & GAS LLC**

A handwritten signature in black ink, appearing to be "John R. Lee", is written over a horizontal line.

By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 12, 13 AND 24, TOWNSHIP 27 NORTH, RANGE 56 EAST, M.P.M., RICHLAND AND ROOSEVELT COUNTIES, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 0-2025

**MBOGC DOCKET NO.** 94-2025

**APPLICATION**

**RECEIVED**

**FEB 26 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A]     Presents the following application:**

1.       Applicant is an interest owner and operator within all or portions of Sections 12, 13 and 24, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana. It is anticipated that said lands will comprise a temporary spacing unit ("TSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.

2.       Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said TSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the TSU such operations appear reasonable and prudent.

3.       Applicant notes that federal minerals are located within certain tracts affected by this application, namely the N/2NE/4, SE/4NE/4 and NE/4SE/4 of Section 12, and the SE/4NE/4, W/2NW/4, SW/4 and E/2SE/4 of Section 24, Township 27 North, Range 56 East, M.P.M.

4.       A portion of the subject lands is Indian land, namely the NE/4SW/4 of Section 12, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.


**[B]     Requests:**

1.       This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2.       After hearing the matter, the BLM and MBOGC enter their respective orders authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the TSU comprised of All of Sections 12, 13 and 24, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana.

DATED this 24<sup>th</sup> day of February, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

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FEB 26 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING A TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 5, 8, 17 AND 20, TOWNSHIP 27 NORTH, RANGE 56 EAST, M.P.M., RICHLAND AND ROOSEVELT COUNTIES, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID TSU, VACATING MBOGC ORDER NO. 54-2011, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 9-2025

**MBOGC DOCKET NO.** 97-2025

**APPLICATION**

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**FEB 26 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A] Presents the following application:**

1. Applicant is an interest owner within all or portions of Sections 5, 8, 17 and 20, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana. Said Sections 5 and 8 are presently subject only to the areawide state spacing order for Bakken/Three Forks production. Said Sections 17 and 20 are presently subject to MBOGC Order No. 54-2011.
2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, a TSU comprised of All of Sections 5, 8, 17 and 20, Township 27 North, Range 56 East, M.P.M. In order to grant the requested relief, it will be necessary to vacate MBOGC Order No. 54-2011.
3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.
4. Applicant notes that federal minerals are located within certain tracts affected by this application, namely the SW/4SW/4 of Section 5, the NW/4 of Section 8, and the NW/4NE/4, NW/4 and W/2SW/4 of Section 20, Township 27 North, Range 56 East, M.P.M.
5. A portion of the subject lands is Indian land, namely the E/2NE/4 and NE/4SE/4 of Section 5, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.

**[B] Requests:**

1. This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and
2. After hearing the matter, the BLM and MBOGC enter their respective orders (i) creating a TSU comprised of All of Sections 5, 8, 17 and 20, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such TSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof,

providing that operations for the drilling of such well must be commenced within one year from the date of such order; and (ii) vacating MBOGC Order No. 54-2011.

DATED this 24<sup>th</sup> day of February, 2025.

**KRAKEN OIL & GAS LLC**



By \_\_\_\_\_

John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

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FEB 26 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS



**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 5, 8, 17 AND 20, TOWNSHIP 27 NORTH, RANGE 56 EAST, M.P.M., RICHLAND AND ROOSEVELT COUNTIES, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 10-2025

**MBOGC DOCKET NO.** 98-2025

**APPLICATION**

**RECEIVED**

**FEB 26 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A] Presents the following application:**

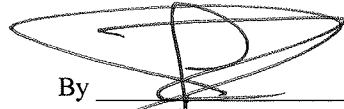
1. Applicant is an interest owner and operator within all or portions of Sections 5, 8, 17 and 20, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana. It is anticipated that said lands will comprise a temporary spacing unit ("TSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.
2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said TSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the TSU such operations appear reasonable and prudent.
3. Applicant notes that federal minerals are located within certain tracts affected by this application, namely the SW/4SW/4 of Section 5, the NW/4 of Section 8, and the NW/4NE/4, NW/4 and W/2SW/4 of Section 20, Township 27 North, Range 56 East, M.P.M.
4. A portion of the subject lands is Indian land, namely the E/2NE/4 and NE/4SE/4 of Section 5, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.

**[B] Requests:**

1. This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and
2. After hearing the matter, the BLM and MBOGC enter their respective orders authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the TSU comprised of All of Sections 5, 8, 17 and 20, Township 27 North, Range 56 East, M.P.M., Richland and Roosevelt Counties, Montana.

DATED this 24<sup>th</sup> day of February, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

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**FEB 26 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER VACATING MBOGC ORDER NO. 327-2013, AFFECTING ALL OF SECTIONS 25 AND 36, TOWNSHIP 28 NORTH, RANGE 56 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 99-2025**

**APPLICATION**

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**FEB 26 2025**

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**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within all or portions of Sections 25 and 36, Township 28 North, Range 56 East, M.P.M., Roosevelt County, Montana. Said Sections 25 and 36 are subject to MBOGC Order Nos. 325-2013, 326-2013 and 327-2013. Kraken Oil & Gas LLC operates the Christopher 25-36 #1H well in the PSU comprised of All of Sections 25 and 36, Township 28 North, Range 56 East, M.P.M.
2. Applicant requests that MBOGC Order No. 327-2013, which authorized the drilling of up to four additional horizontal Bakken/Three Forks formation wells within the noted PSU, be vacated.
3. Applicant notes that there do not appear to be any federal minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order vacating MBOGC Order No. 327-2013.

DATED this 24<sup>th</sup> day of February, 2025.

**KRAKEN OIL & GAS LLC**

By 

John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTION 1, TOWNSHIP 27 NORTH, RANGE 56 EAST, M.P.M., AND SECTIONS 25 AND 36, TOWNSHIP 28 NORTH, RANGE 56 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 100-2025**

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within all or portions of Section 1, Township 27 North, Range 56 East, M.P.M., and Sections 25 and 36, Township 28 North, Range 56 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise an overlapping temporary spacing unit ("OTSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.

2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said OTSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the OTSU such operations appear reasonable and prudent.

3. Applicant notes that federal minerals are located within certain tracts affected by this application, namely the S/2NW/4, SW/4 and SE/4SE/4 of Section 1, Township 27 North, Range 56 East, M.P.M.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;

2. After hearing the matter, the Board enter its order authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of All of Section 1, Township 27 North, Range 56 East, M.P.M., and Sections 25 and 36, Township 28 North, Range 56 East, M.P.M., Roosevelt County, Montana.

DATED this 25<sup>th</sup> day of February, 2025.

**KRAKEN OIL & GAS LLC**

By \_\_\_\_\_

John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

**IN THE MATTER OF THE APPLICATION  
OF PHOENIX OPERATING LLC FOR AN  
ORDER VACATING AND RESCINDING  
BOARD ORDER NOS. 109-2010, 219-2010  
AND 341-2011; FOR AN ORDER  
VACATING AND RESCINDING BOARD  
ORDER NO. 380-2011 INsofar AS IT  
RELATES TO OR COVERS SECTIONS 6,  
7 AND 18, TOWNSHIP 28 NORTH,  
RANGE 57 EAST, ROOSEVELT COUNTY;  
AND FOR AN ORDER DESIGNATING  
AND DELINATING A TEMPORARY  
SPACING UNIT CONSISTING OF  
SECTIONS 6, 7 AND 18, TOWNSHIP 28  
NORTH, RANGE 57 EAST, AND  
AUTHORIZING THE DRILLING OF AND  
PRODUCTION FROM A HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELL WITHIN AND UPON THE  
REQUESTED TEMPORARY SPACING  
UNIT AT ANY LOCATION NOT CLOSER  
THAN 200' TO THE HEEL/TOE  
SETBACKS AND 500' TO THE LATERAL  
SETBACKS OF THE REQUESTED  
TEMPORARY SPACING UNIT.**

**RECEIVED**

**FEB 27 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**APPLICATION**

**MBOGC DOCKET NO. 101 - 2025**

Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 28 North, Range 57 East, MPM

Section 6: All

Section 7: All

Section 18: All

Containing 1,857.52 acres

2. Pursuant to Board Order No. 219-2010 this Board designated Sections 6 and 7 set forth immediately above as a temporary spacing unit for the drilling of a Bakken Formation horizontal well. The proposed well the subject of said Order was never drilled nor has said

Order been vacated by this Board and for good cause Applicant requests that Order No. 219-2010 be vacated and rescinded.

3. Pursuant to Board Order Nos. 109-2010 and 341-2011 this Board designated Sections 18 and 19, Township 28 North, Range 57 East, as a temporary spacing unit for the drilling of a Bakken Formation horizontal well. This well the subject of these Orders was never drilled nor have said Orders been vacated by this Board and for good cause Applicant requests that Board Order Nos. 109-2010 and 341-2011 be vacated and rescinded.
4. Pursuant to Board Order No. 380-2011 this Board designated two (2) Section stand-up temporary spacing units for lands lying within Township 28 North, Range 57 East, with 1,320' lateral setbacks and 200' heel/toe setbacks to the spacing unit boundaries. Applicant requests that Board Order No. 380-2011 be vacated with regard to Sections 6, 7 and 18 set forth and described above.
5. Applicant desires to drill a horizontal Bakken/Three Forks Formation well within and upon Sections 6, 7 and 18 described above and in order to more efficiently and economically recover Bakken/Three Forks oil and associated natural gas therefrom believes the temporary spacing unit therefore should consist of all of Sections 6, 7 and 18, containing 1,857.52 acres.
6. Applicant believes the requested 200' heel/toe setbacks and 500' lateral setbacks from the requested spacing unit boundaries are necessary in order to adequately and efficiently increase the ultimate recovery of Bakken/Three Forks Formation oil and associated natural gas from the requested temporary spacing unit.
7. In the event Applicant's proposed horizontal Bakken/Three Forks Formation well referred to above is authorized by this Board and thereafter drilled and completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, within ninety (90) days of such completion Applicant will file an appropriate Application with this Board requesting a permanent spacing unit for said well and Bakken/Three Forks Formation oil and associated natural gas produced therefrom.
8. The United States of America, by and through the Department of the Interior, Bureau of Land Management ("BLM"), is the holder of the oil and gas mineral estate underlying the N $\frac{1}{2}$ SW $\frac{1}{4}$  of Section 7 and NE $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 18.
9. Applicant believes that granting of the requests herein will serve to protect the correlative rights of all interested parties and will be in the best interests of prevention of waste and conservation of Bakken/Three Forks Formation oil and natural gas produced in association therewith.

WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by the Board and notice thereof be given as required by law;
2. After hearing this matter the Board enter its Order vacating and rescinding Board Order Nos. 109-2010, 219-2010 and 341-2011 and terminating the temporary spacing unit created thereby;

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3. After hearing this matter the Board enter its Order vacating and rescinding Board Order No. 380-2011 with regard to Sections 6, 7 and 18 set forth and described above;
4. After hearing this matter the Board enter its Order designating Sections 6, 7 and 18 described above as a temporary spacing unit and authorizing Applicant to drill, complete and produce Bakken/Three Forks Formation oil and associated natural gas therefrom, provided that operations for the drilling of said well must commence within one (1) year of the date of the requested Order;
5. Within ninety (90) days of first production from the requested authorized Bakken/Three Forks Formation well Applicant shall submit an Application to the Board requesting the establishment of a permanent spacing unit therefore and the production of Bakken/Three Forks Formation oil and associated natural gas therefrom; and
6. For such other or additional relief as the Board may deem appropriate.

Dated February 25, 2025.

LEE LAW OFFICE PC

By: \_\_\_\_\_



Don R. Lee, Attorney for Applicant  
Lee Law Office PC  
158 Main Street – P.O. Box 790  
Shelby, MT 59474  
Telephone: (406) 434-5244  
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MONTANA BOARD OF OIL &  
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**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

**IN THE MATTER OF THE APPLICATION  
OF PHOENIX OPERATING LLC FOR AN  
ORDER AUTHORIZING THE DRILLING  
OF THREE (3) ADDITIONAL  
HORIZONTAL BAKKEN/THREE FORKS  
FORMATION WELLS WITHIN AND UPON  
THE TEMPORARY SPACING UNIT  
COMPRISED OF ALL OF SECTIONS 6, 7  
AND 18, TOWNSHIP 28 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY, AT ANY  
LOCATIONS NOT CLOSER THAN 200'  
(HEEL/TOE SETBACKS) AND 500'  
(LATERAL SETBACKS) TO THE  
BOUNDARIES THEREOF, AND SUCH  
OTHER AND FURTHER RELIEF AS THE  
BOARD MAY DEEM APPROPRIATE.**

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MONTANA BOARD OF OIL &  
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**APPLICATION**

**MBOGC DOCKET NO. 102-2025**

Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 28 North, Range 57 East, MPM

Section 6: All

Section 7: All

Section 18: All

Containing 1,857.52 acres

2. Applicant requests an Order from this Board authorizing the drilling of and production from three (3) additional horizontal Bakken/Three Forks Formation wells within and upon the temporary spacing unit comprised of Sections 6, 7 and 18, at any location not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit.
3. Applicant believes that approval and granting of the request herein will be in the best interests of prevention of waste of oil and associated natural gas and the conservation thereof and will not adversely affect the correlative rights of any interested party.
4. In the event an authorized well is completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, Applicant will submit within ninety (90) days of first production from any such well an Application with this Board requesting the establishment of a permanent spacing unit therefore.




5. The United States of America, by and through the Department of the Interior, Bureau of Land Management ("BLM"), is the holder of the oil and gas mineral estate underlying the N $\frac{1}{2}$ SW $\frac{1}{4}$  of Section 7 and NE $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 18.

WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by this Board and notice thereof be given as required by law;
2. After hearing this matter this Board enter its Order authorizing the Applicant to drill three (3) additional Bakken/Three Forks Formation wells within and upon the temporary spacing unit consisting of Sections 6,7 and 18, but not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit;
3. Within ninety (90) days of first production from any authorized Bakken/Three Forks Formation well Applicant shall submit an Application to this Board requesting the establishment of a permanent spacing unit therefore; and
4. For such other or additional relief as this Board may deem appropriate.

Dated February 25, 2025.

LEE LAW OFFICE PC

By:   
Don R. Lee, Attorney for Applicant  
Lee Law Office PC  
158 Main Street – P.O. Box 790  
Shelby, MT 59474  
Telephone: (406) 434-5244  
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MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION**  
**OF THE STATE OF MONTANA**  
**AND**  
**BEFORE THE UNITED STATES DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

**IN THE MATTER OF THE  
APPLICATION OF PHOENIX  
OPERATING LLC FOR AN ORDER  
VACATING AND RESCINDING BOARD  
ORDER NOS. 109-2010 , 218-2010 AND  
341-2011; FOR AN ORDER VACATING  
AND RESCINDING BOARD ORDER  
NO. 380-2011 INSOFAR AS SAID  
ORDER RELATES TO AND COVERS  
SECTION 24, TOWNSHIP 28 NORTH,  
RANGE 56 EAST AND SECTIONS 19, 20  
AND 21, TOWNSHIP 28 NORTH,  
RANGE 57 EAST, ROOSEVELT  
COUNTY; AND ADDITIONALLY FOR  
AN ORDER DESIGNATING AND  
DELINEATING A TEMPORARY  
SPACING UNIT CONSISTING OF  
SECTION 24, TOWNSHIP 28 NORTH,  
RANGE 56 EAST AND SECTIONS 19, 20  
AND 21, TOWNSHIP 28 NORTH,  
RANGE 57 EAST, AND AUTHORIZING  
THE DRILLING OF A HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELL ANYWHERE WITHIN AND  
UPON SAID REQUESTED  
TEMPORARY SPACING UNIT AT ANY  
LOCATION NOT CLOSER THAN 200'  
TO THE HEEL/TOE SETBACKS AND  
500' TO THE LATERAL SETBACKS OF  
THE REQUESTED TEMPORARY  
SPACING UNIT.**

*Amended*  
**APPLICATION**

**MBOGC DOCKET NO. 103 - 2025**

**and**

**BLM DOCKET NO. 11 - 2025 FED**

Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 28 North, Range 56 East, MPM

Section 24: All

Containing 640.00 acres

Township 28 North, Range 57 East, MPM

Section 19: All

Section 20: All

Section 21: All

Containing 1,804.60 acres

Total containing 2,404.60 acres

2. Pursuant to Board Order No. 109-2010 referred to above, this Board designated Sections 18 and 19 as a temporary spacing unit for the drilling of a Bakken Formation horizontal well. The proposed well the subject of said Order was never drilled nor has said Order been vacated by this Board and for good cause Applicant requests that Order No. 109-2010 be vacated and rescinded.
3. Pursuant to Board Order No. 218-2010 referred to above, this Board designated Sections 13 and 24, Township 28 North, Range 56 East as a temporary spacing unit for the drilling of a Bakken Formation horizontal well. The proposed well the subject of said Order was never drilled nor has said Order been vacated this Board and for good cause Applicant requests that Order No. 218-2010 be vacated and rescinded.
4. Pursuant to Board Order No. 341-2011 referred to above, this Board authorized the drilling of a horizontal Bakken/Three Forks well anywhere in the temporary spacing unit comprised of all of Sections 18 and 19, Township 28 North, Range 57 East. The proposed well the subject of said Order was never drilled nor has said Order been vacated by this Board and for good cause Applicant requests that Order No. 341-2011 be vacated and rescinded.
5. Pursuant to Board Order No. 380-2011 this Board designated two (2) Section temporary spacing units for lands lying within Township 28 North, Range 57 East, with 1,320' lateral setbacks and 200' heel/toe setbacks to the spacing unit boundaries. Applicant requests that Board Order No. 380-2011 be vacated with regard to Section 24, Township 28 North, Range 56 East, and Sections 19, 20 and 21, Township 28 North, Range 57 East set forth and described above.

6. Applicant desires to drill a horizontal Bakken/Three Forks Formation well within and upon all of Section 24, Township 28 North, Range 56 East, and all of Sections 19, 20 and 21 described above and in order to more efficiently and economically recover Bakken/Three Forks oil and associated natural gas therefrom believes the temporary spacing unit therefore should consist of all of Section 24, Township 28 North, Range 56 East, and all of Sections 19, 20 and 21, containing 1,804.60 acres.
7. Applicant believes the requested 200' heel/toe setbacks and 500' lateral setbacks from the requested spacing unit boundaries are necessary in order to adequately and efficiently increase the ultimate recovery of Bakken/Three Forks Formation oil and associated natural gas from the requested temporary spacing unit.
8. In the event Applicant's proposed horizontal Bakken/Three Forks Formation well referred to above is authorized by this Board and the BLM and thereafter drilled and completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, within ninety (90) days of such completion Applicant will file an appropriate Application with this Board and the BLM requesting a permanent spacing unit for said well and Bakken/Three Forks Formation oil and associated natural gas produced therefrom.
9. Applicant believes that granting of the requests herein will serve to protect the correlative rights of all interested parties and will be in the best interests of prevention of waste and conservation of Bakken/Three Forks Formation oil and natural gas produced in association therewith.
10. The United States of America, by and through the Department of the Interior, Bureau of Indian Affairs ("BIA"), is the Trustee for the beneficial owners of the oil and gas mineral estate underlying the W $\frac{1}{2}$ W $\frac{1}{2}$  of Section 21 described above. With regard to these Indian Trust Minerals, the BIA has delegated to the Bureau of Land Management ("BLM") certain oil and gas matters regarding drilling spacing units, well density, drainage, APD approval and matters relating thereto.

Applicant acknowledges the BLM, acting for and on behalf of the BIA, will issue any requested Order relating to Indian Allottee Trust Minerals.

WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by the Board and the BLM and notice thereof be given as required by law;
2. After hearing this matter the Board enter its Order vacating and rescinding Board Order Nos. 109-2010, 218-2010 and 341-2011;

3. After hearing this matter the Board enter its Order vacating and rescinding Board Order No. 380-2011 insofar and only insofar as it relates to and covers Section 24, Township 28 North, Range 56 East, and Sections 19, 20, and 21, Township 28 North, Range 57 East set forth and described above and terminating the temporary spacing unit created thereby;
4. After hearing this matter the Board and BLM enter Orders designating all of Section 24, Township 28 North, Range 56 East, and all of Sections 19, 20 and 21, Township 28 North, Range 57 East described above as a temporary spacing unit and authorizing Applicant to drill, complete and produce Bakken/Three Forks Formation oil and associated natural gas therefrom, provided that operations for the drilling of said well must commence within one (1) year of the date of the requested Order;
5. Within ninety (90) days of first production from the requested Bakken/Three Forks Formation well Applicant shall submit an Application to this Board and BLM requesting the establishment of a permanent spacing unit therefore and the production of Bakken/Three Forks Formation oil and associated natural gas therefrom; and
6. For such other or additional relief as this Board and/or the BLM may deem appropriate.

Dated February 25, 2025.

LEE LAW OFFICE PC

By: 

Don R. Lee, Attorney for Applicant  
Lee Law Office PC  
158 Main Street – P.O. Box 790  
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**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA  
AND  
BEFORE THE UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGMENT**

**IN THE MATTER OF THE  
APPLICATION OF PHOENIX  
OPERATING LLC FOR AN ORDER  
AUTHORIZING THE DRILLING OF  
THREE (3) ADDITIONAL  
HORIZONTAL BAKKEN/THREE  
FORKS FORMATION WELLS WITHIN  
AND UPON THE TEMPORARY  
SPACING UNIT COMPRISED OF ALL  
OF SECTION 24, TOWNSHIP 28  
NORTH, RANGE 56 EAST AND  
SECTIONS 19, 20 AND 21, TOWNSHIP  
28 NORTH, RANGE 57 EAST,  
ROOSEVELT COUNTY, AT ANY  
LOCATIONS NOT CLOSER THAN 200'  
(HEEL/TOE SETBACKS) AND 500'  
(LATERAL SETBACKS) TO THE  
BOUNDARIES THEREOF, AND SUCH  
OTHER AND FURTHER RELIEF AS  
THE BOARD MAY DEEM  
APPROPRIATE.**

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MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**APPLICATION**

**MBOGC DOCKET NO. 104 -2025**

**and**

**BLM DOCKET NO. 12 -2025 FED**

Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 28 North, Range 56 East, MPM

Section 24: All

Containing 640.00 acres

Township 28 North, Range 57 East, MPM

Section 19: All

Section 20: All

Section 21: All

Containing 1,804.60 acres

Total containing 2,404.60 acres

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MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

2. Applicant requests an Order from this Board and the BLM authorizing the drilling of and production from three (3) additional horizontal Bakken/Three Forks Formation wells within and upon the temporary spacing unit comprised of Section 24, Township 28 North, Range 56 East and Sections 19, 20 and 21, Township 28 North, Range 57 East, at any location not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit.
3. Applicant believes that approval and granting of the request herein will be in the best interests of prevention of waste of oil and associated natural gas and the conservation thereof and will not adversely affect the correlative rights of any interested party.
4. In the event an authorized well is completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, Applicant will submit within ninety (90) days of first production from any such well an Application with this Board and the BLM requesting the establishment of a permanent spacing unit therefore.
5. The United States of America, by and through the Department of the Interior, Bureau of Indian Affairs ("BIA"), is the Trustee for the beneficial owners of the oil and gas mineral estate underlying the  $W\frac{1}{2}W\frac{1}{2}$  of Section 21 described above. With regard to these Indian Trust Minerals, the BIA has delegated to the Bureau of Land Management ("BLM") certain oil and gas matters regarding drilling spacing units, well density, drainage, APD approval and matters relating thereto.

Applicant acknowledges the BLM, acting for and on behalf of the BIA, will issue any requested Order relating to Indian Allottee Trust Minerals.

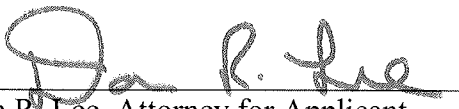
WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by this Board and the BLM and notice thereof be given as required by law;
2. After hearing this matter this Board and the BLM enter Orders authorizing the Applicant to drill three (3) additional Bakken/Three Forks Formation wells within and upon the temporary spacing unit consisting of Section 24, Township 28 North, Range 56 East and Sections 19, 20 and 21, Township 28 North, Range 57 East, but not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit;

3. Within ninety (90) days of first production from any authorized Bakken/Three Forks Formation well Applicant shall submit an Application to this Board and the BLM requesting the establishment of a permanent spacing unit therefore; and
4. For such other or additional relief as this Board and the BLM may deem appropriate.

Dated February 25, 2025.

LEE LAW OFFICE PC

By:   
Don R. Lee, Attorney for Applicant  
Lee Law Office PC  
158 Main Street – P.O. Box 790  
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MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS



**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING A PERMANENT SPACING UNIT ("PSU") COMPRISED OF ALL OF SECTIONS 6, 7, 18 AND 19, TOWNSHIP 24 NORTH, RANGE 59 EAST, M.P.M., RICHLAND COUNTY, MONTANA, FOR THE PRODUCTION OF OIL AND ASSOCIATED NATURAL GAS FROM THE BAKKEN/THREE FORKS FORMATION THEREUNDER, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 105-2025**

**APPLICATION**

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**MAR 05 2025**

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**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:** MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described tract, and its Nate 6-7-18-19 #1H well has been successfully completed as a commercial producer of oil and associated natural gas from the Bakken/Three Forks formation thereunder.

2. The Nate 6-7-18-19 #1H well is completed in a reservoir containing common accumulations of oil and associated natural gas in the Bakken/Three Forks formation. To efficiently and economically develop the reservoir, and to protect the correlative rights of all owners, All of Sections 6, 7, 18 and 19, Township 24 North, Range 59 East, M.P.M., Richland County, Montana, should be designated a PSU for the production of oil and associated natural gas from the Bakken/Three Forks formation. Applicant has also drilled and completed its Nate 6-7-18-19 #2H, Nate 6-7-18-19 #3H and Nate 6-7-18-19 #4H wells in the Bakken/Three Forks formation within the proposed PSU.

3. Applicant notes that there do not appear to be any federal or Indian minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing at the April 10, 2025 meeting of the Board, with notice given as required by law and the MOU;

2. After hearing the matter, the Board enter its order delineating All of Sections 6, 7, 18 and 19, Township 24 North, Range 59 East, M.P.M., Richland County, Montana, as a PSU for the production of oil and associated natural gas from the Bakken/Three Forks formation from the Nate 6-7-18-19 #1H, Nate 6-7-18-19 #2H, Nate 6-7-18-19 #3H and Nate 6-7-18-19 #4H wells.

DATED this 3<sup>rd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

By 

John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER POOLING ALL INTERESTS IN THE PERMANENT SPACING UNIT ("PSU") COMPRISED OF ALL OF SECTIONS 6, 7, 18 AND 19, TOWNSHIP 24 NORTH, RANGE 59 EAST, M.P.M., RICHLAND COUNTY, MONTANA, FOR THE PRODUCTION OF OIL AND ASSOCIATED NATURAL GAS FROM THE BAKKEN/THREE FORKS FORMATION THEREUNDER, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 106-2025**

**APPLICATION**

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**MAR 05 2025**

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**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described tract, and its Nate 6-7-18-19 #1H, Nate 6-7-18-19 #2H, Nate 6-7-18-19 #3H and Nate 6-7-18-19 #4H wells have been successfully completed as commercial producers of oil and associated natural gas from the Bakken/Three Forks formation thereunder.
2. It is anticipated that the captioned lands will be designated a permanent spacing unit for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_\_-2025.
3. As of the date of this application, Applicant has been unable to establish voluntary pooling of all interests within said spacing unit with respect to the Nate 6-7-18-19 #1H, Nate 6-7-18-19 #2H, Nate 6-7-18-19 #3H and Nate 6-7-18-19 #4H wells, and it is anticipated that such pooling cannot be consummated prior to the hearing on this application.
4. In the absence of voluntary pooling of all interests within the PSU, the pooling of all interests in the spacing unit for the development and operation thereof should be effectuated by an order of the Board for that purpose.
5. Applicant notes that there do not appear to be any federal or Indian minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing at the April 10, 2025 meeting of the Board, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order pooling all interests in the spacing unit comprised of All of Sections 6, 7, 18 and 19, Township 24 North, Range 59 East, M.P.M., Richland County, Montana, for production of oil and associated natural gas from the Bakken/Three Forks formation, and authorizing recovery of non-consent penalties in accordance with Section 82-11-202(2), M.C.A., with respect to the Nate 6-7-18-19 #1H, Nate 6-7-18-19 #2H, Nate 6-7-18-19 #3H and Nate 6-7-18-19 #4H wells.

DATED this 3<sup>rd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**



By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

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MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

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IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING A TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 16 AND 21, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID TSU, VACATING MBOGC ORDER NOS. 17-2011, 69-2017 AND 9-2020, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 107-2025**

**APPLICATION**

\*\*\*\*\*

**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A] Presents the following application:**

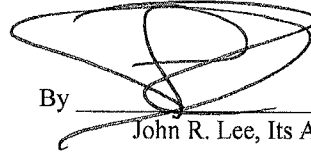
1. Applicant is an interest owner within all or portions of Sections 16 and 21, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 16 and 21 are presently subject to MBOGC Order Nos. 17-2011, 69-2017 and 9-2020.
2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, a TSU comprised of All of Sections 16 and 21, Township 28 North, Range 58 East, M.P.M. In order to grant the requested relief, it will be necessary to vacate MBOGC Order Nos. 17-2011, 69-2017 and 9-2020.
3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.
4. Applicant notes that there do not appear to be any federal minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order (i) creating a TSU comprised of All of Sections 16 and 21, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such TSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order; and (ii) vacating MBOGC Order Nos. 17-2011, 69-2017 and 9-2020.

DATED this 4<sup>th</sup> day of March, 2025.

KRAKEN OIL & GAS LLC

A handwritten signature in black ink, appearing to be 'John R. Lee', is written over a horizontal line.

By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 16 AND 21, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 108-2025**

**APPLICATION**

\*\*\*\*\*

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:


**[A] Presents the following application:**

1. Applicant is an interest owner and operator within all or portions of Sections 16 and 21, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise a temporary spacing unit ("TSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.
2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said TSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the TSU such operations appear reasonable and prudent.
3. Applicant notes that there do not appear to be any federal minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the TSU comprised of Sections 16 and 21, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 4<sup>th</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**  
  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING A TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 27 AND 28, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID TSU, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 109-2025**

**APPLICATION**

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**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A] Presents the following application:**

1. Applicant is an interest owner within all or portions of Sections 27 and 28, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 27 and 28 are not presently subject to any specific MBOGC Orders.
2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, a TSU comprised of All of Sections 27 and 28, Township 28 North, Range 58 East, M.P.M.
3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.
4. Applicant notes that there do not appear to be any federal minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order creating a TSU comprised of All of Sections 27 and 28, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such TSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order.

DATED this 4<sup>th</sup> day of March, 2025.

~~KRAKEN OIL & GAS LLC~~

By   
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE TEMPORARY SPACING UNIT ("TSU") COMPRISED OF ALL OF SECTIONS 27 AND 28, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 110-2025**

**APPLICATION**

\*\*\*\*\*

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within all or portions of Sections 27 and 28, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise a temporary spacing unit ("TSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.
2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said TSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the TSU such operations appear reasonable and prudent.
3. Applicant notes that there do not appear to be any federal minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the TSU comprised of Section 27 and 28, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 4<sup>th</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

By \_\_\_\_\_

John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529



**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTION 1, TOWNSHIP 28 NORTH, RANGE 57 EAST, M.P.M., AND ALL OF SECTIONS 5 AND 6, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID OTSU, CLARIFYING MBOGC ORDER NO. 310-2014, VACATING MBOGC ORDER NO. 311-2014 AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 13-2025

**MBOGC DOCKET NO.** 111-2025

**APPLICATION**

**RECEIVED**

**MAR 05 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A]     Presents the following application:**

1.        Applicant is an interest owner and operator within all or portions of Sections 1 and 12, Township 28 North, Range 57 East, M.P.M., and Sections 5, 6, 7 and 8, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 1 and 12 are presently subject to MBOGC Order Nos. 309-2014, 310-2014 and 311-2014. Said Sections 5, 6, 7 and 8 are presently subject only to the areawide state spacing order for Bakken/Three Forks production. Kraken Oil & Gas LLC operates the Snyder 1-12 #1H well in the PSU comprised of All of Sections 1 and 12, Township 28 North, Range 57 East, M.P.M.

2.        To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, an OTSU comprised of All of Section 1, Township 28 North, Range 57 East, M.P.M., and Sections 5 and 6, Township 28 North, Range 58 East, M.P.M. To preserve the correlative rights of all interest owners in said Sections 1 and 12, MBOGC Order No. 310-2014 should be amended to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Snyder 1-12 #1H well. Additionally, MBOGC Order No. 311-2014 must be vacated.

3.        Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.

4.        A portion of the subject lands is Indian land, namely the E/2 and NW/4 of Section 12, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.


**[B]     Requests:**

1.        This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2. After hearing the matter, the Board enter its order (i) creating an OTSU comprised of All of Section 1, Township 28 North, Range 57 East, M.P.M., and Sections 5 and 6, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order and further providing that the OTSU shall be limited to production from the proposed horizontal well; (ii) amending MBOGC Order No. 310-2014 to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Snyder 1-12 #1H well; and (iii) vacating MBOGC Order No. 311-2014.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTION 1, TOWNSHIP 28 NORTH, RANGE 57 EAST, M.P.M., AND ALL OF SECTIONS 5 AND 6, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

~~BLM DOCKET NO.~~ \_\_\_\_\_

**MBOGC DOCKET NO.** 112-2025

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A]     Presents the following application:**

1.        Applicant is an interest owner and operator within all or portions of Section 1, Township 28 North, Range 57 East, M.P.M., and Sections 5 and 6, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise an overlapping temporary spacing unit ("OTSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.

2.        Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said OTSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the OTSU such operations appear reasonable and prudent.

3.        Applicant notes that there do not appear to be any federal or Indian minerals affected by this application.

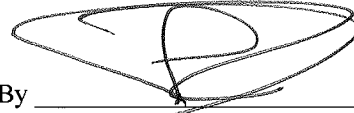
**[B]     Requests:**

1.        This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2.        After hearing the matter, the BLM and MBOGC enter their respective orders authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of All of Section 1, Township 28 North, Range 57 East, M.P.M., and Sections 5 and 6, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

A handwritten signature in black ink, appearing to be "John R. Lee", written over a horizontal line.

By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTION 12, TOWNSHIP 28 NORTH, RANGE 57 EAST, M.P.M., AND ALL OF SECTIONS 7 AND 8, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID OTSU, CLARIFYING MBOGC ORDER NO. 310-2014, VACATING MBOGC ORDER NO. 311-2014 AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 14-2025

**MBOGC DOCKET NO.** 113-2025

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within all or portions of Sections 1 and 12, Township 28 North, Range 57 East, M.P.M., and Sections 5, 6, 7 and 8, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 1 and 12 are presently subject to MBOGC Order Nos. 309-2014, 310-2014 and 311-2014. Said Sections 5, 6, 7 and 8 are presently subject only to the areawide state spacing order for Bakken/Three Forks production. Kraken Oil & Gas LLC operates the Snyder 1-12 #1H well in the PSU comprised of All of Sections 1 and 12, Township 28 North, Range 57 East, M.P.M.

2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, an OTSU comprised of All of Section 12, Township 28 North, Range 57 East, M.P.M., and Sections 7 and 8, Township 28 North, Range 58 East, M.P.M. To preserve the correlative rights of all interest owners in said Sections 1 and 12, MBOGC Order No. 310-2014 should be amended to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Snyder 1-12 #1H well. Additionally, MBOGC Order No. 311-2014 must be vacated.

3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.

4. A portion of the subject lands is Indian land, namely the E/2 and NW/4 of Section 12, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.

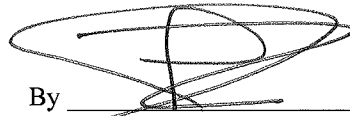
**[B] Requests:**

1. This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2. After hearing the matter, the Board enter its order (i) creating an OTSU comprised of All of Section 12, Township 28 North, Range 57 East, M.P.M., and Sections 7 and 8, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order and further providing that the OTSU shall be limited to production from the proposed horizontal well; (ii) amending MBOGC Order No. 310-2014 to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Snyder 1-12 #1H well; and (iii) vacating MBOGC Order No. 311-2014.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

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MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

---

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTION 12, TOWNSHIP 28 NORTH, RANGE 57 EAST, M.P.M., AND ALL OF SECTIONS 7 AND 8, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 15-2025

**MBOGC DOCKET NO.** 114-2025

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A]     Presents the following application:**

1.       Applicant is an interest owner and operator within all or portions of Section 12, Township 28 North, Range 57 East, M.P.M., and Sections 7 and 8, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise an overlapping temporary spacing unit ("OTSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.

2.       Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said OTSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the OTSU such operations appear reasonable and prudent.

3.       A portion of the subject lands is Indian land, namely the E/2 and NW/4 of Section 12, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.


**[B]     Requests:**

1.       This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2.       After hearing the matter, the BLM and MBOGC enter their respective orders authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of All of Section 12, Township 28 North, Range 57 East, M.P.M., and Sections 7 and 8, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS



**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 1, 2, 3 AND 4, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID OTSU, CLARIFYING MBOGC ORDER NO. 184-2012, VACATING MBOGC ORDER NOS. 186-2012, 48-2023, 153-2010, 48-2011, 115-2011 AND 15-2011, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 116-2025

**MBOGC DOCKET NO.** 115-2025

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A]     Presents the following application:**

1.        Applicant is an interest owner and operator within all or portions of Sections 1, 2, 3, 4, 9, 10, 11 and 12, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 1 and 12 are presently subject to MBOGC Order Nos. 181-2012, 184-2012, 186-2012 and 48-2023. Said Sections 2 and 11 are presently subject to MBOGC Order Nos. 153-2010 and 48-2011. Said Sections 3 and 10 are presently subject to MBOGC Order No. 115-2011. Said Sections 4 and 9 are presently subject to MBOGC Order No. 15-2011. Kraken Oil & Gas LLC operates the Crusch 12-1 #1H well in the PSU comprised of All of Sections 1 and 12, Township 28 North, Range 58 East, M.P.M.

2.        To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, an OTSU comprised of All of Sections 1, 2, 3 and 4, Township 28 North, Range 58 East, M.P.M. To preserve the correlative rights of all interest owners in said Sections 1 and 12, MBOGC Order No. 184-2012 should be amended to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Crusch 12-1 #1H well. Additionally, MBOGC Order Nos. 186-2012, 48-2023, 153-2010, 48-2011, 115-2011 and 15-2011 must be vacated.

3.        Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.

4.        A portion of the subject lands is Indian land, namely the E/2E/2 of Section 9, and the W/2NW/4 and N/2SW/4 of Section 10, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.

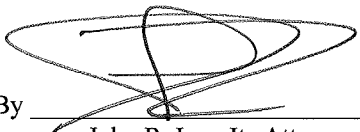
**[B]     Requests:**

1.        This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2. After hearing the matter, the Board enter its order (i) creating an OTSU comprised of All of Sections 1, 2, 3 and 4, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order and further providing that the OTSU shall be limited to production from the proposed horizontal well; (ii) amending MBOGC Order No. 184-2012 to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Crusch 12-1 #1H well; and (iii) vacating MBOGC Order Nos. 186-2012, 48-2023, 153-2010, 48-2011, 115-2011 and 15-2011.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

By   
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

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MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 1, 2, 3 AND 4, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** \_\_\_\_\_

**MBOGC DOCKET NO.** 116-2025

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within all or portions of Sections 1, 2, 3 and 4, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise an overlapping temporary spacing unit ("OTSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.

2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said OTSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the OTSU such operations appear reasonable and prudent.

3. Applicant notes that there do not appear to be any federal or Indian minerals affected by this application.

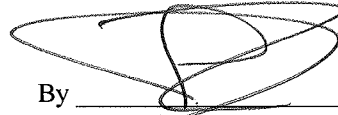
**[B] Requests:**

1. This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2. After hearing the matter, the BLM and MBOGC enter their respective orders authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of All of Sections 1, 2, 3 and 4, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 9, 10, 11 AND 12, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID OTSU, CLARIFYING MBOGC ORDER NO. 184-2012, VACATING MBOGC ORDER NOS. 186-2012, 48-2023, 153-2010, 48-2011, 115-2011 AND 1502011, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 17-2025

**MBOGC DOCKET NO.** 117-2025

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A]     Presents the following application:**

1.       Applicant is an interest owner and operator within all or portions of Sections 1, 2, 3, 4, 9, 10, 11 and 12, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 1 and 12 are presently subject to MBOGC Order Nos. 181-2012, 184-2012, 186-2012 and 48-2023. Said Sections 2 and 11 are presently subject to MBOGC Order Nos. 153-2010 and 48-2011. Said Sections 3 and 10 are presently subject to MBOGC Order No. 115-2011. Said Sections 4 and 9 are presently subject to MBOGC Order No. 15-2011. Kraken Oil & Gas LLC operates the Crusch 12-1 #1H well in the PSU comprised of All of Sections 1 and 12, Township 28 North, Range 58 East, M.P.M.

2.       To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, an OTSU comprised of All of Sections 9, 10, 11 and 12, Township 28 North, Range 58 East, M.P.M. To preserve the correlative rights of all interest owners in said Sections 1 and 12, MBOGC Order No. 184-2012 should be amended to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Crusch 12-1 #1H well. Additionally, MBOGC Order Nos. 186-2012, 48-2023, 153-2010, 48-2011, 115-2011 and 15-2011 must be vacated.

3.       Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.

4.       A portion of the subject lands is Indian land, namely the E/2E/2 of Section 9, and the W/2NW/4 and N/2SW/4 of Section 10, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.

**[B]     Requests:**

1.       This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2. After hearing the matter, the Board enter its order (i) creating an OTSU comprised of All of Sections 9, 10, 11 and 12, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order and further providing that the OTSU shall be limited to production from the proposed horizontal well; (ii) amending MBOGC Order No. 184-2012 to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Crusch 12-1 #1H well; and (iii) vacating MBOGC Order Nos. 186-2012, 48-2023, 153-2010, 48-2011, 115-2011 and 15-2011.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

By 

John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BUREAU OF LAND MANAGEMENT, MONTANA STATE OFFICE  
UNITED STATES DEPARTMENT OF THE INTERIOR**

-----  
**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 9, 10, 11 AND 12, TOWNSHIP 28 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**BLM DOCKET NO.** 19-2025

**MBOGC DOCKET NO.** 119-2025

**APPLICATION**

RECEIVED

MAR 05 2025

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MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**KRAKEN OIL & GAS LLC**, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within all or portions of Sections 9, 10, 11 and 12, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise an overlapping temporary spacing unit ("OTSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_\_-2025.

2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said OTSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the OTSU such operations appear reasonable and prudent.

3. A portion of the subject lands is Indian land, namely the E/2E/2 of Section 9, and the W/2NW/4 and N/2SW/4 of Section 10, and accordingly, the MOU between the United States BLM and the MBOGC is applicable hereto.

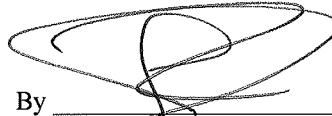
**[B] Requests:**

1. This matter be set for hearing in conjunction with the MBOGC hearings to be held April 10, 2025, with notice given as required by law and the MOU; and

2. After hearing the matter, the BLM and MBOGC enter their respective orders authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of All of Sections 9, 10, 11 and 12, Township 28 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 2<sup>nd</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS



**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 17, 20, 29 AND 32, TOWNSHIP 29 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID OTSU, CLARIFYING MBOGC ORDER NO. 237-2014, VACATING MBOGC ORDER NO. 238-2014, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 119-2025**

**APPLICATION**

**RECEIVED**

**MAR 05 2025**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A] Presents the following application:**

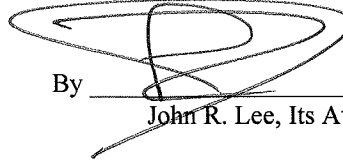
1. Applicant is an interest owner within all or portions of Sections 17, 20, 29 and 32, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 17 and 20 are presently subject to MBOGC Order Nos. 236-2014, 237-2014 and 238-2014, while said Sections 29 and 32 are subject only to the areawide state spacing order for Bakken/Three Forks production. Kraken Oil & Gas LLC operates the Briske 1-20H well in the PSU comprised of All of Sections 17 and 20, Township 29 North, Range 58 East, M.P.M.
2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, an OTSU comprised of All of Sections 17, 20, 29 and 32, Township 29 North, Range 58 East, M.P.M. To preserve the correlative rights of all interest owners in said Sections 17 and 20, MBOGC Order No. 237-2014 should be amended to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Briske 1-20H well. Additionally, MBOGC Order No. 238-2014 must be vacated.
3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.
4. Applicant notes that there do not appear to be any federal minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order (i) creating an OTSU comprised of All of Sections 17, 20, 29 and 32, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order and further providing that the OTSU shall be limited to production from the proposed horizontal well; (ii) amending MBOGC Order No. 237-2014 to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Briske 1-20H well; and (iii) vacating MBOGC Order No. 238-2014.

DATED this 1<sup>st</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**



By

John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 17, 20, 29 AND 32, TOWNSHIP 29 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 120-2025**

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

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**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A] Presents the following application:**


1. Applicant is an interest owner and operator within all or portions of Sections 17, 20, 29 and 32, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise an overlapping temporary spacing unit ("OTSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.
2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said OTSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the OTSU such operations appear reasonable and prudent.
3. Applicant notes that there do not appear to be any federal minerals affected by this application.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of Sections 17, 20, 29 and 32, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 1<sup>st</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 18, 19, 30 AND 31, TOWNSHIP 29 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES OF SAID OTSU, CLARIFYING MBOGC ORDER NO. 282-2013, VACATING MBOGC ORDER NO. 283-2013 AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 121-2025**

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A] Presents the following application:**

1. Applicant is an interest owner within all or portions of Sections 18, 19, 30 and 31, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana. Said Sections 18 and 19 are presently subject to MBOGC Order Nos. 281-2013, 282-2013 and 283-2013, while said Sections 30 and 31 are subject only to the areawide state spacing order for Bakken/Three Forks production. Kraken Oil & Gas LLC operates the Langdon 1-19H well in the PSU comprised of All of Sections 18 and 19, Township 29 North, Range 58 East, M.P.M.

2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, an OTSU comprised of All of Sections 18, 19, 30 and 31, Township 29 North, Range 58 East, M.P.M. To preserve the correlative rights of all interest owners in said Sections 18 and 19, MBOGC Order No. 282-2013 should be amended to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Langdon 1-19H well. Additionally, MBOGC Order No. 283-2013 must be vacated.

3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and other matters relating to production from said well.

4. Applicant notes that federal minerals are located within certain tracts affected by this application, namely Lot 1 of Section 18, and Lot 4 and the SE/4NE/4 of Section 30, Township 29 North, Range 58 East, M.P.M.


**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;

2. After hearing the matter, the Board enter its order (i) creating an OTSU comprised of All of Sections 18, 19, 30 and 31, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, providing that operations for the drilling of such well must be commenced within one year from the date of such order and further providing that the OTSU shall be limited to production from the proposed horizontal well; (ii) amending MBOGC Order No. 282-2013 to clarify that said order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Langdon 1-19H well; and (iii) vacating MBOGC Order No. 283-2013.

DATED this 1<sup>st</sup> day of March, 2025.

**KRAKEN OIL & GAS LLC**

  
By \_\_\_\_\_  
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

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MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF KRAKEN OIL & GAS LLC FOR AN ORDER AUTHORIZING THE DRILLING OF UP TO THREE ADDITIONAL HORIZONTAL BAKKEN/THREE FORKS FORMATION WELLS IN THE OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 18, 19, 30 AND 31, TOWNSHIP 29 NORTH, RANGE 58 EAST, M.P.M., ROOSEVELT COUNTY, MONTANA, AT ANY LOCATIONS NOT CLOSER THAN 200' (HEEL/TOE SETBACK)/500' (LATERAL SETBACK) TO THE BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE MBOGC MAY DEEM APPROPRIATE

**MBOGC DOCKET NO. 122-2025**

**APPLICATION**

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

\*\*\*\*\*

**KRAKEN OIL & GAS LLC, 945 Bunker Hill Road, Suite 1200, Houston, Texas 77024:**

**[A] Presents the following application:**

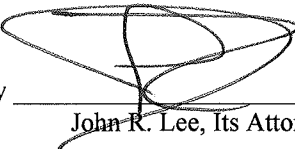
1. Applicant is an interest owner and operator within all or portions of Sections 18, 19, 30 and 31, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana. It is anticipated that said lands will comprise an overlapping temporary spacing unit ("OTSU") for purposes of Bakken/Three Forks formation production pursuant to Montana Board of Oil and Gas Conservation Order No. \_\_-2025.
2. Applicant requests authority to drill up to three additional horizontal Bakken/Three Forks formation wells within said OTSU, at any locations not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries thereof, if in its judgment as operator of the OTSU such operations appear reasonable and prudent.
3. Applicant notes that federal minerals are located within certain tracts affected by this application, namely Lot 1 of Section 18, and Lot 4 and the SE/4NE/4 of Section 30, Township 29 North, Range 58 East, M.P.M.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;
2. After hearing the matter, the Board enter its order authorizing the Applicant to drill up to three additional horizontal Bakken/Three Forks formation wells at any locations within, but not closer than 200' (heel/toe setback)/500' (lateral setback) to the exterior boundaries of, the OTSU comprised of Sections 18, 19, 30 and 31, Township 29 North, Range 58 East, M.P.M., Roosevelt County, Montana.

DATED this 1<sup>st</sup> day of March, 2025.

KRAKEN OIL & GAS LLC

By   
John R. Lee, Its Attorney

CROWLEY FLECK PLLP  
P.O. Box 2529  
Billings, MT 59103-2529

RECEIVED

MAR 05 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS



**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

<b>IN THE MATTER OF THE APPLICATION OF PHOENIX OPERATING LLC FOR AN ORDER DESIGNATING AND DELINATING A TEMPORARY SPACING UNIT CONSISTING OF SECTIONS 1, 12 AND 13, TOWNSHIP 29 NORTH, RANGE 57 EAST, ROOSEVELT COUNTY, AND AUTHORIZING THE DRILLING OF AND PRODUCTION FROM A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL WITHIN AND UPON THE REQUESTED TEMPORARY SPACING UNIT AT ANY LOCATION NOT CLOSER THAN 200' TO THE HEEL/TOE SETBACKS AND 500' TO THE LATERAL SETBACKS OF THE REQUESTED TEMPORARY SPACING UNIT.</b>	<p style="text-align:center"><b>APPLICATION</b></p> <p style="text-align:center"><b>MBOGC DOCKET NO. <u>123</u> - 2025</b></p>
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Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 29 North, Range 57 East, MPM

Section 1: Lots 1, 2, 3 & 4, S½N½, S½  
(All)

Section 12: All

Section 13: All

Containing 1,921.80 acres

2. Applicant desires to drill a horizontal Bakken/Three Forks Formation well within and upon Sections 1, 12 and 13 described above and in order to more efficiently and economically recover Bakken/Three Forks oil and associated natural gas therefrom believes the temporary spacing unit therefore should consist of all of Sections 1, 12 and 13, containing 1,921.80 acres.
3. Applicant believes the requested 200' heel/toe setbacks and 500' lateral setbacks from the requested spacing unit boundaries are necessary in order to adequately and efficiently increase the ultimate recovery of Bakken/Three Forks Formation oil and associated natural gas from the requested temporary spacing unit.

4. In the event Applicant's proposed horizontal Bakken/Three Forks Formation well referred to above is authorized by this Board and thereafter drilled and completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, within ninety (90) days of such completion Applicant will file an appropriate Application with this Board requesting a permanent spacing unit for said well and Bakken/Three Forks Formation oil and associated natural gas produced therefrom.
5. Applicant believes that granting of the requests herein will serve to protect the correlative rights of all interested parties and will be in the best interests of prevention of waste and conservation of Bakken/Three Forks Formation oil and natural gas produced in association therewith.

WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by the Board and notice thereof be given as required by law;
2. After hearing this matter the Board enter its Order designating Sections 1, 12 and 13 described above as a temporary spacing unit and authorizing Applicant to drill, complete and produce Bakken/Three Forks Formation oil and associated natural gas therefrom, provided that operations for the drilling of said well must commence within one (1) year of the date of the requested Order;
3. Within ninety (90) days of first production from the requested authorized Bakken/Three Forks Formation well Applicant shall submit an Application to the Board requesting the establishment of a permanent spacing unit therefore and the production of Bakken/Three Forks Formation oil and associated natural gas therefrom; and
4. For such other or additional relief as the Board may deem appropriate.

Dated March 4, 2025.

LEE LAW OFFICE PC

By: 

Don R. Lee, Attorney for Applicant  
Lee Law Office PC  
158 Main Street – P.O. Box 790  
Shelby, MT 59474  
Telephone: (406) 434-5244  
Facsimile: (406) 434-5246  
Email: don@leelawofficepc.com

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

**IN THE MATTER OF THE APPLICATION  
OF PHOENIX OPERATING LLC FOR AN  
ORDER AUTHORIZING THE DRILLING  
OF THREE (3) ADDITIONAL  
HORIZONTAL BAKKEN/THREE FORKS  
FORMATION WELLS WITHIN AND UPON  
THE TEMPORARY SPACING UNIT  
COMPRISED OF ALL OF SECTIONS 1, 12  
AND 13, TOWNSHIP 29 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY, AT ANY  
LOCATIONS NOT CLOSER THAN 200'  
(HEEL/TOE SETBACKS) AND 500'  
(LATERAL SETBACKS) TO THE  
BOUNDARIES THEREOF, AND SUCH  
OTHER AND FURTHER RELIEF AS THE  
BOARD MAY DEEM APPROPRIATE.**

**APPLICATION**

**MBOGC DOCKET NO. 124-2025**

Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 29 North, Range 57 East, MPM  
Section 1: Lots 1, 2 3 & 4, S½N½, S½ (All)  
Section 12: All  
Section 13: All  
Containing 1,921.80 acres

2. Applicant requests an Order from this Board authorizing the drilling of and production from three (3) additional horizontal Bakken/Three Forks Formation wells within and upon the temporary spacing unit comprised of Sections 1, 12 and 13, at any location not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit.
3. Applicant believes that approval and granting of the request herein will be in the best interests of prevention of waste of oil and associated natural gas and the conservation thereof and will not adversely affect the correlative rights of any interested party.
4. In the event an authorized well is completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, Applicant will submit within ninety (90) days of first production from any such well an Application with this Board requesting the establishment of a permanent spacing unit therefore.

WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by this Board and notice thereof be given as required by law;
2. After hearing this matter this Board enter its Order authorizing the Applicant to drill three (3) additional Bakken/Three Forks Formation wells within and upon the temporary spacing unit consisting of Sections 1, 12 and 13, but not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit;
3. Within ninety (90) days of first production from any authorized Bakken/Three Forks Formation well Applicant shall submit an Application to this Board requesting the establishment of a permanent spacing unit therefore; and
4. For such other or additional relief as this Board may deem appropriate.

Dated March 4, 2025.

LEE LAW OFFICE PC

By: 

Don R. Lee, Attorney for Applicant  
Lee Law Office PC  
158 Main Street – P.O. Box 790  
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**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

<b>IN THE MATTER OF THE APPLICATION OF PHOENIX OPERATING LLC FOR AN ORDER VACATING AND RESCINDING BOARD ORDER NO. 258-2010 AND FOR AN ORDER DESIGNATING AND DELINATING A TEMPORARY SPACING UNIT CONSISTING OF SECTIONS 2, 11 AND 14, TOWNSHIP 29 NORTH, RANGE 57 EAST, ROOSEVELT COUNTY, AND AUTHORIZING THE DRILLING OF AND PRODUCTION FROM A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL WITHIN AND UPON THE REQUESTED TEMPORARY SPACING UNIT AT ANY LOCATION NOT CLOSER THAN 200' TO THE HEEL/TOE SETBACKS AND 500' TO THE LATERAL SETBACKS OF THE REQUESTED TEMPORARY SPACING UNIT.</b>	<b>APPLICATION</b>  <b>MBOGC DOCKET NO. <u>125</u> - 2025</b>
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Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 29 North, Range 57 East, MPM

Section 2: Lots 1, 2, 3 & 4, S½N½, S½  
(All)

Section 11: All

Section 14: All

Containing 1,924.20 acres

2. Pursuant to Board Order No. 258-2010 this Board designated Sections 2 and 11 set forth immediately above as a temporary spacing unit for the drilling of a Bakken Formation horizontal well. The proposed well the subject of said Order was never drilled nor has

said Order been vacated by this Board and for good cause Applicant requests that Order No. 258-2010 be vacated and rescinded.

3. Applicant desires to drill a horizontal Bakken/Three Forks Formation well within and upon Sections 2, 11 and 14 described above and in order to more efficiently and economically recover Bakken/Three Forks oil and associated natural gas therefrom believes the temporary spacing unit therefore should consist of all of Sections 2, 11 and 14, containing 1,924.20 acres.
4. Applicant believes the requested 200' heel/toe setbacks and 500' lateral setbacks from the requested spacing unit boundaries are necessary in order to adequately and efficiently increase the ultimate recovery of Bakken/Three Forks Formation oil and associated natural gas from the requested temporary spacing unit.
5. In the event Applicant's proposed horizontal Bakken/Three Forks Formation well referred to above is authorized by this Board and thereafter drilled and completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, within ninety (90) days of such completion Applicant will file an appropriate Application with this Board requesting a permanent spacing unit for said well and Bakken/Three Forks Formation oil and associated natural gas produced therefrom.
6. Applicant believes that granting of the requests herein will serve to protect the correlative rights of all interested parties and will be in the best interests of prevention of waste and conservation of Bakken/Three Forks Formation oil and natural gas produced in association therewith.

WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by the Board and notice thereof be given as required by law;
2. After hearing this matter the Board enter its Order vacating and rescinding Board Order No. 258-2010 and terminating the temporary spacing unit created thereby;
3. After hearing this matter the Board enter its Order designating Sections 2, 11 and 14 described above as a temporary spacing unit and authorizing Applicant to drill, complete and produce Bakken/Three Forks Formation oil and associated natural gas therefrom, provided that operations for the drilling of said well must commence within one (1) year of the date of the requested Order;
4. Within ninety (90) days of first production from the requested authorized Bakken/Three Forks Formation well Applicant shall submit an Application to the Board requesting the establishment of a permanent spacing unit therefore and the production of

Bakken/Three Forks Formation oil and associated natural gas  
therefrom; and

5. For such other or additional relief as the Board may deem  
appropriate.

Dated March 4, 2025.

LEE LAW OFFICE PC

By: 

Don R. Lee, Attorney for Applicant

Lee Law Office PC

158 Main Street – P.O. Box 790

Shelby, MT 59474

Telephone: (406) 434-5244

Facsimile: (406) 434-5246

Email: don@leelawofficepc.com

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

**IN THE MATTER OF THE APPLICATION  
OF PHOENIX OPERATING LLC FOR AN  
ORDER AUTHORIZING THE DRILLING  
OF THREE (3) ADDITIONAL  
HORIZONTAL BAKKEN/THREE FORKS  
FORMATION WELLS WITHIN AND UPON  
THE TEMPORARY SPACING UNIT  
COMPRISED OF ALL OF SECTIONS 2, 11  
AND 14, TOWNSHIP 29 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY, AT ANY  
LOCATIONS NOT CLOSER THAN 200'  
(HEEL/TOE SETBACKS) AND 500'  
(LATERAL SETBACKS) TO THE  
BOUNDARIES THEREOF, AND SUCH  
OTHER AND FURTHER RELIEF AS THE  
BOARD MAY DEEM APPROPRIATE.**

**APPLICATION**

**MBOGC DOCKET NO. 126-2025**

Phoenix Operating LLC ("Applicant"), 4643 South Ulster Street, Suite 1510, Denver, Colorado 80237, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the following described lands in Roosevelt County:

Township 29 North, Range 57 East, MPM  
Section 2: Lots 1, 2 3 & 4, S½N½, S½ (All)  
Section 11: All  
Section 14: All  
Containing 1,924.20 acres

2. Applicant requests an Order from this Board authorizing the drilling of and production from three (3) additional horizontal Bakken/Three Forks Formation wells within and upon the temporary spacing unit comprised of Sections 2, 11 and 14, at any location not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit.
3. Applicant believes that approval and granting of the request herein will be in the best interests of prevention of waste of oil and associated natural gas and the conservation thereof and will not adversely affect the correlative rights of any interested party.
4. In the event an authorized well is completed as a well capable of commercial production of Bakken/Three Forks Formation oil and associated natural gas, Applicant will submit within ninety (90) days of first production from any such well an Application with this Board requesting the establishment of a permanent spacing unit therefore.



WHEREFORE, Applicant requests the following:

1. This matter be set for hearing by this Board and notice thereof be given as required by law;
2. After hearing this matter this Board enter its Order authorizing the Applicant to drill three (3) additional Bakken/Three Forks Formation wells within and upon the temporary spacing unit consisting of Sections 2, 11 and 14, but not closer than 200' (heel/toe setbacks) and 500' (lateral setbacks) to the exterior boundaries of said temporary spacing unit;
3. Within ninety (90) days of first production from any authorized Bakken/Three Forks Formation well Applicant shall submit an Application to this Board requesting the establishment of a permanent spacing unit therefore; and
4. For such other or additional relief as this Board may deem appropriate.

Dated March 4, 2025.

LEE LAW OFFICE PC

By: 

Don R. Lee, Attorney for Applicant  
Lee Law Office PC  
158 Main Street – P.O. Box 790  
Shelby, MT 59474  
Telephone: (406) 434-5244  
Facsimile: (406) 434-5246  
Email: don@leelawofficepc.com

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

UPON THE APPLICATION OF WHITE ROCK OIL & GAS, LLC TO AMEND BOARD ORDER 238-2008 RELATING TO THE PERMANENT SPACING UNIT (PSU) COMPRISED OF ALL OF SECTIONS 6 AND 7, TOWNSHIP 24 NORTH, RANGE 53 EAST, M.P.M., RICHLAND COUNTY, MONTANA TO AUTHORIZE THE ADDITIONAL WELL APPROVED IN SUCH ORDER TO BE LOCATED NO CLOSER THAN 200' (HEEL/TOE SETBACK) AND 500' (LATERAL SETBACK) TO THE EXTERIOR BOUNDARIES THEREOF, AND SUCH OTHER AND FURTHER RELIEF AS THE BOARD MAY DEEM APPROPRIATE.

**MBOGC DOCKET NO. 127-2025**  
**APPLICATION**

**WHITE ROCK OIL & GAS, LLC, 5810 TENNYSON PKWY, SUITE 500, PLANO, TX 75024:**

**[A] Presents the following application:**

1. Applicant is an interest owner within all or portions of Sections 6 and 7, Township 24 North, Range 53 East, M.P.M., Richland County, Montana. These lands comprise a PSU for purposes of Bakken/Three Forks formation production pursuant to Board Order 279-2007, and applicant operates the BR 41-6H 43 well located within the PSU. By Board Order 238-2008, the Board approved an additional Bakken/Three Forks formation well anywhere within the spacing unit but not closer than 660' to the exterior boundaries thereof. The additional well has not been drilled within the PSU, and applicant requests that the Board amend the setbacks for such well.

2. To recover additional Bakken/Three Forks formation reserves underlying the captioned lands, Applicant requests that the Board amend Order 238-2008 to authorize the drilling of the additional horizontal Bakken/Three Forks formation well, at any location not closer than 200' (heel toe setback) / 500' (lateral setback) to the exterior boundaries thereof.


**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;

2. After hearing the matter, the Board enter its order amending Board Order 238-2008 to authorize the drilling of one (1) additional horizontal Bakken/Three Forks formation well at any location within, but not closer than 200' (heel toe setback) / 500' (lateral setback) to the exterior boundaries of the PSU comprised of Sections 6 and 7, Township 24 North, Range 53 East, M.P.M., Richland County, Montana, and such other and further relief as the Board may deem appropriate.

Dated this 5<sup>th</sup> day of March, 2025.

**WHITE ROCK OIL & GAS, LLC**

By   
Uriah J. Price, Its Attorney  
Crowley Fleck, PLLP  
P. O. Box 10969  
Bozeman, MT 59719  
[uprice@crowleyfleck.com](mailto:uprice@crowleyfleck.com)

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF WHITE ROCK OIL & GAS, LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 20, 29 AND 32, TOWNSHIP 22 NORTH, RANGE 60 EAST, M.P.M., RICHLAND COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL TOE SETBACK) / 500' (LATERAL SETBACK) TO THE BOUNDARIES OF THE OTSU, CLARIFYING BOARD ORDER NOS. 305-2008 & 110-2008, VACATING BOARD ORDERS. 13-2010 & 118-2010, AND ANY OTHER RELIEF THAT THE BOARD MAY DEEM APPROPRIATE.

**MBOGC DOCKET NO. 128-2015**  
**APPLICATION**

**WHITE ROCK OIL & GAS, LLC, 5810 TENNYSON PKWY, SUITE 500, PLANO, TX 75024:**

**[A]     Presents the following application:**

1.        Applicant is an interest owner within all or portions of Sections 20, 29 and 32, Township 22 North, Range 60 East, M.P.M., Richland County, Montana. Section 20, along with Section 19, is presently subject to Board Orders 107-2008 (PSU), 305-2008 (pooling), and 13-2010 (inc. density), and White Rock Oil & Gas, LLC operates the Scheetz 31X-19 well located in the PSU comprised of Sections 19 and 20, Township 22 North, Range 60 East. Sections 29 & 32, along with Section 30, are presently subject to Board Orders 12-2008 (PSU) and 110-2008 (pooling), and White Rock Oil & Gas, LLC operates the Richard 21X-29 well located within the PSU comprised of Sections 29, 30 and 32, Township 22 North, Range 60 East.

2.        To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel toe setback) / 500' (lateral setback) to the exterior boundaries of, an OTSU comprised of all of Sections 20, 29 and 32, Township 22 North, Range 60 East, M.P.M. To preserve correlative rights of all interest owners in Section 20 (and Section 19), Board Order 305-2008 should be amended to clarify that the order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Scheetz 31X-19 well. It will also be necessary to vacate Board Order 13-2010, the increased density order for the Sections 19 and 20 base PSU; and to vacate Board Order 118-2010 which created an overlapping temporary spacing unit comprised of Sections 17, 18, 19 and 20, Township 22 North, Range 60 East, to drill a section line well. To preserve correlative rights of all interest owners in Sections 29 & 32 (and Section 30), Board Order 110-2008 should be amended to clarify that the pooling order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Richard 21X-29 well.

3.        The S½S½ (including Lot 4) and NW¼SW¼ of Section 20, and all of Section 32, Township 22 North, Range 60 East, M.P.M. include federal minerals.


4.        Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for the Board's consideration of permanent spacing and other matters relating to production from the well.

**[B]     Requests:**

1.        This matter be set for hearing, with notice given as required by law and the MOU;
2.        After hearing the matter, the Board enter its order **(i)** creating an OTSU comprised of ALL of Sections 20, 29 and 32, Township 22 North, Range 60 East, M.P.M., Richland County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel toe setback) / 500' (lateral setback) to the exterior boundaries thereof; **(ii)** amending Board Order 305-2008 to clarify that the order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Scheetz 31X-19 well; **(iii)** amending Board Order 110-2008 to clarify that the pooling order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from Richard 21X-29 well; **(iv)** vacating Board Orders 13-2010 & 118-2010; and **(v)** any other relief as the Board may deem appropriate.

Dated this 5<sup>th</sup> day of March, 2025.

**WHITE ROCK OIL & GAS, LLC**

By  \_\_\_\_\_  
Uriah J. Price, Its Attorney  
Crowley Fleck, PLLP  
P. O. Box 10969  
Bozeman, MT 59719  
[uprice@crowleyfleck.com](mailto:uprice@crowleyfleck.com)

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF WHITE ROCK OIL & GAS, LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 19, 30 AND 31, TOWNSHIP 22 NORTH, RANGE 60 EAST, M.P.M., RICHLAND COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200' (HEEL TOE SETBACK) / 500' (LATERAL SETBACK) TO THE BOUNDARIES OF THE OTSU, CLARIFYING BOARD ORDERS 305-2008, 110-2008 & 359-2006, VACATING BOARD ORDERS 13-2010, 118-2010, 4-2010 & 64-2007, AND ANY OTHER RELIEF THAT THE BOARD MAY DEEM APPROPRIATE.

**MBOGC DOCKET NO. 129-2025**  
**APPLICATION**

**WHITE ROCK OIL & GAS, LLC, 5810 TENNYSON PKWY, SUITE 500, PLANO, TX 75024:**

**[A]     Presents the following application:**

1.        Applicant is an interest owner within all or portions of Sections 19, 30 and 31, Township 22 North, Range 60 East, M.P.M., Richland County, Montana. Section 19, along with Section 20, is presently subject to Board Orders 107-2008 (PSU), 305-2008 (pooling), and 13-2010 (inc. density), and White Rock Oil & Gas, LLC operates the Scheetz 31X-19 well located in the PSU comprised of Sections 19 and 20, Township 22 North, Range 60 East. Section 30, along with Sections 29 & 32, are presently subject to Board Orders 12-2008 (PSU) and 110-2008 (pooling), and White Rock Oil & Gas, LLC operates the Richard 21X-29 well located within the PSU comprised of Sections 29, 30 and 32, Township 22 North, Range 60 East. Section 31 is subject to Board Order 359-2006 (PSU) which contains the Matthew 1-31H well operated by MorningStar Operating, LLC.

2.        To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well at a location within, but not closer than 200' (heel toe setback) / 500' (lateral setback) to the exterior boundaries of, an OTSU comprised of all of Sections 19, 30 and 31, Township 22 North, Range 60 East, M.P.M. To preserve correlative rights of all interest owners in Section 19 (and Section 20), Board Order 305-2008 should be amended to clarify that the order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Scheetz 31X-19 well. It will also be necessary to vacate Board Order 13-2010, the increased density order for the Sections 19 and 20 base PSU; and to vacate Board Order 118-2010 which created an overlapping temporary spacing unit comprised of Sections 17, 18, 19 and 20, Township 22 North, Range 60 East, to drill a section line well. To preserve correlative rights of all interest owners in Section 30 (and Sections 29 & 32), Board Order 110-2008 should be amended to clarify that the pooling order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Richard 21X-29 well. We additionally ask the Board to vacate Board Order 4-2010 that created an overlapping temporary spacing unit comprised of Section 30, Township 22 North, Range 60 East and Section 25, Township 22 North, Range 59 East to drill a one-mile section line well. To preserve correlative rights of all interest owners in Section 31, Board Order 359-2006 should be amended to clarify that the PSU is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Matthew 1-31H well; finally, we ask the Board to vacate Board Order 64-2007, the increased density order for the Section 31 PSU.

3.        The W½ of Section 30, Township 22 North, Range 60 East, M.P.M. includes federal minerals.

4. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for the Board's consideration of permanent spacing and other matters relating to production from the well.

**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;

2. After hearing the matter, the Board enter its order **(i)** creating an OTSU comprised of ALL of Sections 19, 30 & 31, Township 22 North, Range 60 East, M.P.M., Richland County, Montana, and authorizing the drilling of a horizontal Bakken/Three Forks formation well at any location within such OTSU but not closer than 200' (heel toe setback) / 500' (lateral setback) to the exterior boundaries thereof; **(ii)** amending Board Order 305-2008 to clarify that the order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Scheetz 31X-19 well; **(iii)** amending Board Order 110-2008 to clarify that the pooling order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Richard 21X-29 well; **(iv)** amending Board Order 359-2006 to clarify that the order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from Matthew 1-31H well; **(v)** vacating Board Orders 13-2010, 118-2010, 4-2010 & 64-2007; and **(vi)** any other relief as the Board may deem appropriate.

Dated this 5<sup>th</sup> day of March, 2025.

**WHITE ROCK OIL & GAS, LLC**

By



Uriah J. Price, Its Attorney  
Crowley Fleck, PLLP  
P. O. Box 10969  
Bozeman, MT 59719  
[uprice@crowleyfleck.com](mailto:uprice@crowleyfleck.com)

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF CONTINENTAL RESOURCES, INC. FOR AN ORDER DESIGNATING AN OVERLAPPING TEMPORARY SPACING UNIT COMPRISED OF ALL OF SECTIONS 6, 7, 18 AND 19, TOWNSHIP 25 NORTH, RANGE 57 EAST, RICHLAND COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200 FEET FROM THE TOE/HEEL BOUNDARY AND 500 FEET FROM THE SIDE BOUNDARIES OF SAID TEMPORARY SPACING UNIT, PROVIDED THAT OPERATIONS FOR THE DRILLING OF SAID WELL MUST COMMENCE WITHIN ONE YEAR OF THE DATE OF THE ORDER ISSUED BY THE BOARD, THE OVERLAPPING TEMPORARY SPACING UNIT SHALL BE LIMITED TO PRODUCTION FROM THE PROPOSED HORIZONTAL WELL AND APPLICANT WILL APPLY FOR PERMANENT SPACING WITHIN 90 DAYS OF SUCCESSFUL WELL COMPLETION.

MBOGC Docket No.

130-2025

APPLICATION

APPLICANT FURTHER REQUESTS THAT BOARD ORDER 2012-466 PERTAINING TO SECTIONS 18 AND 19, TOWNSHIP 25 NORTH, RANGE 57 EAST, BE AMENDED TO CLARIFY THAT SAID ORDER IS LIMITED TO OIL AND ASSOCIATED NATURAL GAS PRODUCED FROM THE BAKKEN/THREE FORKS FORMATION FROM THE CONAWAY 1-19H WELL AND THAT ORDER 2012-467 AUTHORIZING THREE ADDITIONAL WELLS IN SECTIONS 18 AND 19, TOWNSHIP 25 NORTH, RANGE 57 EAST, BE VACATED.

CONTINENTAL RESOURCES, INC., 20 N. Broadway, Oklahoma City, OK 73102:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within Sections 6, 7, 18 and 19, Township 25 North, Range 57 East, Richland County, Montana which tracts are presently spaced with respect to the Bakken formation by Order:
  - 465-2012 – creating a permanent spacing unit comprised of All of Sections 18 and 19, T25N, R57E for oil and gas production from the Conaway 1-19H well.
2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well within, but not closer than 200 feet to the heel/toe exterior boundaries and 500 feet to the lateral boundaries, of a temporary spacing unit ("TSU") comprised of All of Sections 6, 7, 18 and 19, Township 25 North, Range 57 East, Richland County, Montana, subject to the conditions that applicant must commence said well within one year of the date of the order issued by the Board and that the overlapping temporary spacing unit be limited to production from the proposed horizontal well.
3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and all other matters relating to production of said well.

4. Applicant further requests that Board Order 2012-466 pertaining to Sections 18 and 19, Township 25 North, Range 57 East, be amended to clarify that said order is limited to oil and natural gas from the Bakken/Three Forks formation from the Conaway 1-19H well and that Order 2012-467 authorizing 3 additional wells in Sections 18 and 19, T25N, R57E be vacated.

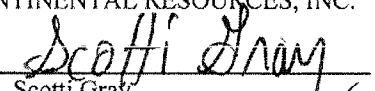
[B] **Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Montana Board of Oil & Gas Conservation its order that a TSU comprised of All Sections 6, 7, 18 and 19, Township 25 North, Range 57 East, Richland County, Montana be established, subject to the conditions that applicant must commence said well within one year of the date of the order issued by the Board, the overlapping temporary spacing unit be limited to production from the proposed horizontal well and that applicant will apply for permanent spacing within 90 days of successful completion.
3. Authorizing the Applicant to locate its proposed horizontal well anywhere within such TSU but not closer than 200 feet to the toe/heel boundaries and no further than 500 feet from the common boundary thereof.
4. Amending Order 466-2012 to clarify that said Order is limited to oil and associated natural gas produced from the Bakken/Three Forks formation from the Conaway 1-19H well.
5. Vacating Order 2012-467.

Dated March 5, 2025.

CONTINENTAL RESOURCES, INC.

By

  
Scotti Gray  
Attorney for Applicant



**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF CONTINENTAL RESOURCES INC.  
FOR AUTHORIZATION TO DRILL UP TO  
TWO ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF ALL OF SECTIONS 6, 7,  
18 AND 19, TOWNSHIP 25 NORTH,  
RANGE 57 EAST, RICHLAND COUNTY,  
MONTANA, AT ANY LOCATION NOT  
CLOSER THAN 500 FEET TO THE SIDE  
BOUNDARIES AND 200 FEET TO THE  
TOE/HEEL BOUNDARIES OF SAID  
SPACING UNIT

MBOGC Docket No. 131-2025

**APPLICATION**

CONTINENTAL RESOURCES, INC., 20 N. Broadway, Oklahoma City, OK 73102:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 2 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

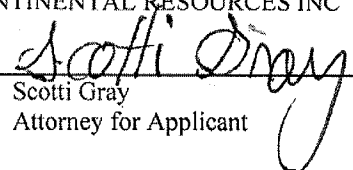
**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to two additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

CONTINENTAL RESOURCES INC

By

  
Scotti Gray  
Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF CONTINENTAL RESOURCES INC. FOR AN ORDER DESIGNATING AN OVERLAPPING TEMPORARY SPACING UNIT COMPRISED OF ALL OF SECTIONS 1 AND 12, TOWNSHIP 24 NORTH, RANGE 53 EAST AND ALL OF SECTIONS 5, 6, 7 AND 8, THE W2 OF SECTION 4 AND THE W2 OF SECTION 9, TOWNSHIP 24 NORTH, RANGE 54 EAST, RICHLAND COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT ANY LOCATION NOT CLOSER THAN 200 FEET TO THE TOE/HEEL BOUNDARY AND 500 FEET FROM THE SIDE BOUNDARIES OF SAID TEMPORARY SPACING UNIT, PROVIDED THAT OPERATIONS FOR THE DRILLING OF SAID WELL MUST COMMENCE WITHIN ONE YEAR OF THE DATE OF THE ORDER ISSUED BY THE BOARD, THE OVERLAPPING TEMPORARY SPACING UNIT BE LIMITED TO PRODUCTION FROM THE PROPOSED HORIZONTAL WELL AND APPLICANT APPLY FOR PERMANENT SPACING WITHIN 90 DAYS OF SUCCESSFUL WELL COMPLETION.

MBOGC Docket No. 132-2025

**AMENDED APPLICATION**

APPLICANT FURTHER REQUESTS THAT BOARD ORDER 2009-142 ESTABLISHING A TEMPORARY SPACING UNIT COMPRISED OF ALL OF SECTIONS 4, 5, 8 AND 9, TOWNSHIP 24 NORTH, RANGE 54 EAST, RICHLAND COUNTY, MONTANA BE VACATED.

APPLICANT FURTHER REQUESTS THAT BOARD ORDER 2007-14 AUTHORIZING ONE ADDITIONAL WELL IN THE SPACING UNIT COMPRISED OF SECTIONS 1 AND 12, TOWNSHIP 24 NORTH, RANGE 53 EAST BE VACATED.

APPLICANT FURTHER REQUESTS THAT ORDER 112-2005 BE AMENDED TO CLARIFY THAT SAID SPACING UNIT IS LIMITED TO OIL AND ASSOCIATED NATURAL GAS PRODUCTION FROM THE BAKKEN-THREE FORKS FORMATION FROM THE PORKY-ANTONE 9-14H WELL, THE PORKY-THERESA 9-15-HID3 WELL AND THE PORKY-CARDA 9-16H WELL.

CONTINENTAL RESOURCES, INC., 20 N. Broadway, Oklahoma City, OK 73102:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within Sections 1 and 12, Township 24 North, Range 53 East and 5, 6, 7 and 8, the W2 of Section 4 and the W2 of Section 9, Township 24 North, Range 54 East, Richland County, Montana which tracts are presently spaced with respect to the Bakken formation by Orders:
  - 217-2005 – creating a permanent spacing unit comprised of All of Sections 1 and 12, T24N, R53E for oil and natural gas production from the Kim 1-12H well.
  - 330-2008 – creating a permanent spacing unit comprised of All of Sections 1 and 12, T24N, R53E and All of Sections 6 and 7, T24N, R54E for oil and natural gas production from the Lea Joe 1-1H well.
  - 289-2004 – creating a permanent spacing unit comprised of All of Sections 5 and 8, T24N, R54E for oil and natural gas production from the Joyce 13-5H well.

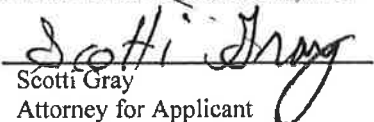
- 129-2014 – creating a permanent spacing unit comprised of All of Sections 5, 6, 7 and 8, T24N, R54E for oil and natural gas production from the Joyce HSL well.
  - 377-2004 – creating a permanent spacing unit comprised of All of Sections 6 and 7, T24N, R54E for oil and natural gas production from the Paula 1-7H well.
  - 142-2008 – creating an overlapping temporary spacing unit comprised of All of Sections 4, 5, 8 and 9, T24N, R54E.
  - 112-2005 – creating a permanent spacing unit comprised of All of Sections 4 and 9, T24N, R54E for oil and natural gas production from the Bakken formation.
2. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well within, but not closer than 200 feet to the toe/heel exterior boundaries and 500 feet to the lateral boundaries, of a temporary spacing unit ("TSU") comprised of Sections 1 and 12, Township 24 North, Range 53 East and 5, 6, 7 and 8, the W2 of Section 4 and the W2 of Section 9, Township 24 North, Range 53 East, Richland County, Montana, subject to the conditions that the overlapping temporary spacing unit shall be limited to production from the proposed horizontal well and that applicant must commence said well within one year of the date of the order issued by the Board.
  3. Applicant further requests that Board Order 2009-142 creating a temporary spacing unit comprised of All of Sections 4, 5, 8 and 9, T24N, R54E be vacated.
  4. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for Board consideration of permanent spacing and all other matters relating to production of said well.
  5. Applicant further requests that Order 14-2007 authorizing one additional well in the spacing unit comprised of Sections 1 and 12, Township 24 North, Range 53 East be vacated.
  6. Applicant further requests that Order 112-2005 be amended to clarify that said spacing unit is limited to oil and associated natural gas production from the Bakken/Three Forks Formation from the Porky-Antone 9-14H well, the Porky-Theresa 9-15-HID3 well and the Porky Carda 9-16H well.

**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Montana Board of Oil & Gas Conservation enter its order that a TSU comprised of Sections 1 and 12, Township 24 North, Range 53 East, All of Sections 5, 6, 7 and 8, the W2 of Section 4 and the W2 of Section 9, Township 24 North, Range 54 East, Richland County, Montana be established, subject to the conditions that the overlapping temporary spacing unit shall be limited to production from the proposed horizontal well, applicant must commence said well within one year of the date of the order issued by the Board and application must file an application for permanent spacing within 90 days of successful completion;
3. Authorizing the Applicant to locate its proposed horizontal well anywhere within such TSU but not closer than 200 feet to the toe/heel boundaries and no further than 500 feet from the common boundary thereof;
4. Vacating Orders 2009-142 and 2007-14; and
5. Amending Order 112-2005 to clarify that said spacing unit is limited to oil and associated natural gas production from the Bakken/Three Forks Formation from the Porky-Antone 9-14H well, the Porky-Theresa 9-15-HID3 well and the Porky-Carda 9-16H well.

Dated March 6, 2025.

CONTINENTAL RESOURCES, INC.

By   
 Scotti Gray  
 Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF CONTINENTAL RESOURCES INC.  
FOR AUTHORIZATION TO DRILL UP TO  
TWO ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF ALL OF SECTIONS 1  
AND 12, TOWNSHIP 24 NORTH, RANGE  
53 EAST AND ALL OF SECTIONS 5, 6, 7  
AND 8, THE W2 OF SECTION 4 AND THE  
W2 OF SECTION 9, TOWNSHIP 24  
NORTH, RANGE 54 EAST, RICHLAND  
COUNTY, MONTANA, AT ANY  
LOCATION NOT CLOSER THAN 500  
FEET TO THE SIDE BOUNDARIES AND  
200 FEET TO THE TOE/HEEL  
BOUNDARIES OF SAID SPACING UNIT

MBOGC Docket No. 133-2025

APPLICATION

CONTINENTAL RESOURCES, INC., 20 N. Broadway, Oklahoma City, OK 73102:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 2 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to two additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

CONTINENTAL RESOURCES, INC.

By

*Scotti Gray*  
Scotti Gray  
Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 1, 12 AND  
13, TOWNSHIP 29 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY,  
MONTANA, AT ANY LOCATION NOT  
CLOSER THAN 500 FEET TO THE SIDE  
BOUNDARIES AND 200 FEET TO THE  
TOE/HEEL BOUNDARIES OF SAID  
SPACING UNIT

MBOGC Docket No. 134-2025

APPLICATION

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

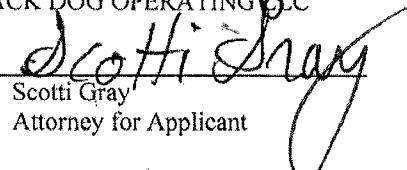
**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

BLACK DOG OPERATING LLC

By

  
Scotti Gray  
Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 2, 11 AND  
14, TOWNSHIP 29 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY,  
MONTANA, AT ANY LOCATION NOT  
CLOSER THAN 500 FEET TO THE SIDE  
BOUNDARIES AND 200 FEET TO THE  
TOE/HEEL BOUNDARIES OF SAID  
SPACING UNIT

MBOGC Docket No. 135-2025

**APPLICATION**

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

BLACK DOG OPERATING LLC

By Scotti Gray  
Scotti Gray  
Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 3, 10 AND  
15, TOWNSHIP 29 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY,  
MONTANA, AT ANY LOCATION NOT  
CLOSER THAN 500 FEET TO THE SIDE  
BOUNDARIES AND 200 FEET TO THE  
TOE/HEEL BOUNDARIES OF SAID  
SPACING UNIT

MBOGC Docket No. 136-2025

**APPLICATION**

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

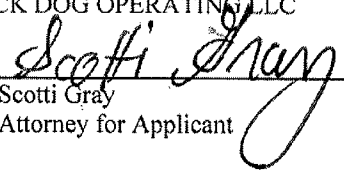
**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025. .

BLACK DOG OPERATING LLC

By

  
Scotti Gray  
Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 4, 9 AND 16,  
TOWNSHIP 29 NORTH, RANGE 57 EAST,  
ROOSEVELT COUNTY, MONTANA, AT  
ANY LOCATION NOT CLOSER THAN  
500 FEET TO THE SIDE BOUNDARIES  
AND 200 FEET TO THE TOE/HEEL  
BOUNDARIES OF SAID SPACING UNIT

MBOGC Docket No. 137-2025

APPLICATION

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

BLACK DOG OPERATING LLC

By

*Scotti Gray*  
Scotti Gray

Attorney for Applicant



**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 5, 8 AND 17,  
TOWNSHIP 29 NORTH, RANGE 57 EAST,  
ROOSEVELT COUNTY, MONTANA, AT  
ANY LOCATION NOT CLOSER THAN  
500 FEET TO THE SIDE BOUNDARIES  
AND 200 FEET TO THE TOE/HEEL  
BOUNDARIES OF SAID SPACING UNIT

MBOGC Docket No.	138-2025
APPLICATION	19-2025 FED

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.
4. The proposed temporary spacing unit contains the following Indian Trust lands:

Township 29 North, Range 57 East  
Section 5: Lots 3, 4, S2NW

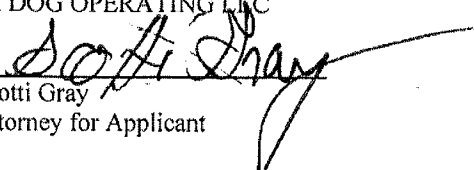
**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

BLACK DOG OPERATING LLC

By

  
Scotti Gray  
Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 6, 7 AND 18,  
TOWNSHIP 29 NORTH, RANGE 57 EAST,  
ROOSEVELT COUNTY, MONTANA, AT  
ANY LOCATION NOT CLOSER THAN  
500 FEET TO THE SIDE BOUNDARIES  
AND 200 FEET TO THE TOE/HEEL  
BOUNDARIES OF SAID SPACING UNIT

MBOGC Docket No. 139-2025

APPLICATION

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

BLACK DOG OPERATING LLC

By

*Scotti Gray*  
Scotti Gray

Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 21, 28 AND  
33, TOWNSHIP 29 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY,  
MONTANA, AT ANY LOCATION NOT  
CLOSER THAN 500 FEET TO THE SIDE  
BOUNDARIES AND 200 FEET TO THE  
TOE/HEEL BOUNDARIES OF SAID  
SPACING UNIT

MBOGC Docket No.

140-2025

**APPLICATION**

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands:
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

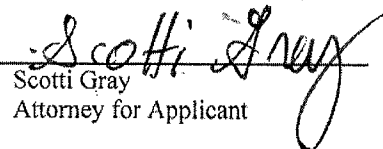
**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

BLACK DOG OPERATING LLC

By

  
Scotti Gray  
Attorney for Applicant

**BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION  
OF BLACK DOG OPERATING LLC FOR  
AUTHORIZATION TO DRILL UP TO  
THREE ADDITIONAL HORIZONTAL  
BAKKEN/THREE FORKS FORMATION  
WELLS IN THE SPACING UNIT  
COMPRISED OF SECTIONS 22, 27 AND  
34, TOWNSHIP 29 NORTH, RANGE 57  
EAST, ROOSEVELT COUNTY,  
MONTANA, AT ANY LOCATION NOT  
CLOSER THAN 500 FEET TO THE SIDE  
BOUNDARIES AND 200 FEET TO THE  
TOE/HEEL BOUNDARIES OF SAID  
SPACING UNIT

MBOGC Docket No.

141-2025

APPLICATION

BLACK DOG OPERATING LLC, 6110 Clarkson Lane, Houston, TX 77055:

**[A] Presents the following application:**

1. Applicant is an interest owner and operator within the above-described lands;
2. The above-described lands are presently subject to a pending application to designate a temporary spacing unit ("TSU") comprised of said lands and authorize the drilling of a well in the TSU.
3. To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

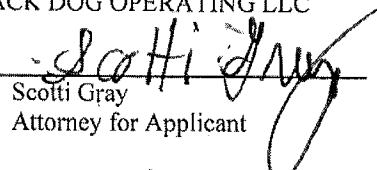
**[B] Requests:**

1. This matter be set for hearing and placed on the Docket, with notice given as required by law.
2. After hearing the matter, the Board enter its order authorizing applicant to drill up to 3 additional horizontal Bakken/Three Forks formation wells within, but not closer than 500 feet to the side boundaries and 200 feet to the toe/heel boundaries of the spacing unit.

Dated March 5, 2025.

BLACK DOG OPERATING LLC

By

  
Scotti Gray

Attorney for Applicant

**BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA**

IN THE MATTER OF THE APPLICATION OF MORNINGSTAR OPERATING, LLC FOR AN ORDER CREATING AN OVERLAPPING TEMPORARY SPACING UNIT ("OTSU") COMPRISED OF ALL OF SECTIONS 33 AND 34, TOWNSHIP 25 NORTH, RANGE 54 EAST AND ALL OF SECTIONS 1, 2, 11 AND 12, TOWNSHIP 24 NORTH, RANGE 54 EAST, M.P.M., RICHLAND COUNTY, MONTANA, AND AUTHORIZING THE DRILLING OF A HORIZONTAL BAKKEN/THREE FORKS FORMATION WELL THEREON AT A LOCATION PROXIMATE TO THE COMMON BOUNDARY BETWEEN THE PERMANENT SPACING UNIT (PSU) COMPRISED OF THE W½ OF SECTION 33, TOWNSHIP 25 NORTH, RANGE 54 EAST AND ALL OF SECTION 2, TOWNSHIP 24 NORTH, RANGE 54 EAST; THE TWO STATEWIDE SPACING UNITS COMPRISED OF THE NE¼ AND THE SE¼ OF SECTION 33, TOWNSHIP 25 NORTH, RANGE 54 EAST; THE PSU COMPRISED OF SECTION 11, TOWNSHIP 24 NORTH, RANGE 54 EAST, AND THE PSU COMPRISED OF SECTION 34, TOWNSHIP 25 NORTH, RANGE 54 EAST AND SECTION 1, TOWNSHIP 24 NORTH, RANGE 54 EAST; AND THE PSU CONTAINING SECTION 12, TOWNSHIP 24 NORTH, RANGE 54 EAST, AND ANY OTHER RELIEF THAT THE MBOGC MAY DEEM APPROPRIATE.

**MBOGC DOCKET NO. 142-2025**  
**APPLICATION**

**MORNINGSTAR OPERATING, LLC, 400 W 7<sup>TH</sup> ST., FORT WORTH, TX 76102:**

**[A]     Presents the following application:**

1.     Applicant is an interest owner within all or portions of the captioned lands. The W½ of Section 33, Township 25 North, Range 54 East, and all of Section 2, Township 24 North, Range 54 East, comprise a permanent spacing unit ("PSU") for purposes of Bakken/Three Forks formation production pursuant to Board Order 113-2005. The NE¼ and the SE¼ of Section 33, Township 25 North, Range 54 East, each comprise a Statewide 160-acre spacing unit for Bakken/Three Forks formation production from vertical wells. All of Section 11, Township 24 North, Range 54 East, comprise a 640-acre PSU for purposes of Bakken/Three Forks formation production pursuant to Board Order 188-2002. All of Section 34, Township 25 North, Range 54 East, and Section 1, Township 24 North, Range 54 East, comprise a standup PSU for purposes of Bakken/Three Forks formation production pursuant to Board Order 306-2003. And all of Section 12, along with Section 13, Township 24 North, Range 54 East, comprise a PSU for purposes of Bakken/Three Forks formation production pursuant to Board Order 149-2004.

2.     To more efficiently and economically recover Bakken/Three Forks formation reserves underlying the captioned lands, Applicant proposes to drill a horizontal Bakken/Three Forks formation well in an OTSU comprised of all of Sections 33 & 34, Township 25 North, Range 54 East, M.P.M., and all of Sections 1, 2, 11 & 12, Township 24 North, Range 54 East, M.P.M., Richland County, Montana. The well will be drilled at a location proximate to the common boundary between all of Sections 33, 2 and 11 & Sections 34, 1 and 12, with a heel/toe setback of 200'.

3. Applicant will, within 90 days of successful completion of the proposed horizontal operation, file an application for the Board's consideration of permanent spacing and other matters relating to production from the well.


**[B] Requests:**

1. This matter be set for hearing, with notice given as required by law and the MOU;

2. After hearing the matter, the Board enter its order (i) creating an OTSU comprised of all Sections 33 & 34, Township 25 North, Range 54 East, M.P.M., and all of Sections 1, 2, 11 & 12, Township 24 North, Range 54 East, M.P.M., Richland County, Montana, for purposes of drilling a horizontal Bakken/Three Forks formation well at a location proximate to the common boundary between all of Section 33, Township 25 North, Range 54 East, and Sections 2 and 11, Township 24 North, Range 54 East, and all of Section 34, Township 25 North, Range 54 East, and Sections 1 and 12, Township 24 North, Range 54 East, with a heel/toe setback of 200', and providing that the OTSU shall be limited to production from the proposed horizontal well; and (ii) any other relief that the Board deems appropriate.

Dated this 6<sup>th</sup> day of March, 2025.

**MORNINGSTAR OPERATING, LLC**

By   
Uriah J. Price, Its Attorney  
Crowley Fleck, PLLP  
P. O. Box 10969  
Bozeman, MT 59719  
[uprice@crowleyfleck.com](mailto:uprice@crowleyfleck.com)

DEPARTMENT OF NATURAL RESOURCES  
AND CONSERVATION

BOARD OF OIL AND GAS CONSERVATION

GREG GIANFORTE, GOVERNOR

OIL AND GAS CONSERVATION DIVISION



STATE OF MONTANA

02.05.2025

Linda M. Bowling  
U.S. EPA  
1595 Wynkoop Street  
Denver, Colorado 80202

Dear Ms. Bowling,

Enclosed is an application for extending the areal extent of an existing aquifer exemption related to the Johnson 1-33 SWD well. The well is a Dakota saltwater disposal, and the request is to expand the currently exempted radius from 1,320 ft. (1/4 mile) to 1,866 ft. This is a 546 ft. increase.

The Dakota formation in this area is not being utilized as a source of drinking water and is unlikely to be so in the future due to its depth, and because other, shallower USDWs are available for drinking water.

In 2008 the EPA issued an aquifer exemption for the Dakota in the well, for the interval of 5,066 ft. to 5,178 ft. This interval will remain the same; the new request only provides for additional volume by increasing the radius of the exempted area by an additional 546 ft.

The basis for the exemption request is that the formation does not currently serve as a source of drinking water, and it cannot now nor will it in the future, serve as a source of drinking water because it is situated at a depth which makes recovery of water for drinking water purposes economically impractical. The formation is also hydrocarbon bearing.

Please let me know if you need any further information. If you have any questions about this application, you can contact me at (406) 656-0040 or by email at [jgizicki@mt.gov](mailto:jgizicki@mt.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "John Gizicki".

John Gizicki  
UIC Director  
Montana Board of Oil and Gas Conservation

DIVISION OFFICE  
1539 11th AVENUE  
PO BOX 201601  
HELENA, MONTANA 59620-1601  
(406) 444-6731

TECHNICAL AND  
SOUTHERN FIELD OFFICE  
2535 ST. JOHNS AVENUE  
BILLINGS, MONTANA 59102-4693  
(406) 656-0040

NORTHERN FIELD OFFICE  
201 MAIN STREET  
PO BOX 690  
SHELBY, MONTANA 59474-0690  
(406) 434-2422

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GAS CONSERVATION • BILLINGS

January 29, 2025

To Whom It May Concern:

Continental Resources is requesting an expanded aquifer exemption for the Johnson 1-33 SWD. The Johnson 1-33 SWD is a disposal well drilled in 2006. The well is located at 1120' FSL, 330' FEL, Section 33, T25N, R55E, Richland County, Montana. It has an MD of 5700'. The exempted portion of the Dakota Formation is from 5,066' to 5,178' MD. A current water analysis taken from the suction tank at the Johnson SWD is attached to this application.

The Johnson SWD has a current limit on cumulative injection volume of 20,600,000 bbls. The current total cumulative for that well is 18,372,264 bbls.

The Johnson 1-33 SWD is our only operational SWD in Montana. Not only will this SWD be needed for our current needs, but future development needs as well. Because of this, we are requesting an additional 20,600,000 bbls of injection volume.

Sincerely,

A handwritten signature in blue ink, appearing to read "Robert Sandbo".

Robert Sandbo  
Regulatory Compliance Manager



Date: 6-27-07

# CONTINENTAL RESOURCES, INC. WELLBORE DIAGRAM AND INFORMATION

Well Name: Johnson 1-33 SWD  
Spud: March 1, 2006  
County: Richland

Field: MT Bakken  
Location: SE SE, Section 33, T25N, R55E  
State: Montana

KB: 2247'  
Status: SI SWD

Surface:	1120' FSL & 330' FEL SE SE, Section 33, T25N, R55E Richland, MT
Completed:	March 11, 2006
KB:	2247'
API #:	25-083-22449

Hole Size  
= 13 1/2"

9 5/8" 36# J55 Csg, Set @ 1456' Cmt'd w/ 280 sx  
Class "C" cmt (11.2 ppg, 3.20 yld), Tail-in w/ 150  
sx Class "C" cmt (14.2 ppg, 1.49 yld).

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Hole Size  
= 8 3/4"

TOC @ 780'

220 bbls Pkr Fluid w/ 2% KCl, & 1% IaCam  
Packer chemical, pumped btw 7" csg and  
2 7/8" injection tbg.

2 7/8" J55 tbg w/ TK99 ID coating.  
Pkr on btm, Set @ 5050'  
Baker Model 'D'

Perforations:  
5066 - 86' (4 SPF)  
5098 - 178' (4SPF)

7" 23# K55 Csg, Set @ 5705' Cmt'd w/ 480 sx Lite  
Crete cmt (11.5 ppg, 1.8 yld), Followed by 275 sx  
Class "G" (15.8 ppg, 1.18 yld).

PBTD: 5544'  
TD: 5707'

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**Johnson 1-33 SWD  
Aquifer Exemption Application**

The following are Continental Resources, Inc.'s responses to the "Aquifer Exemption Checklist" that was provided to us.

**1. Wells in the Area of Review (0.65 Mile Radius)**

**Oil and Gas Wells/Laterals in Area of Review:**

Well Name: McVay 2-34H, API Number: 2508321760, Operator: Wesco Operating, Inc., Location: NENW Sect 34 T25N R55E County: Richland, Montana

Well Name: McVay 3-34H, API Number: 2508322847, Operator: Wesco, Operating, Inc., Location: SWSW Sect 27 T25N R55E County: Richland, Montana

Well Name: Boles 2-33H, API Number: 2508323226, Operator: Continental Resources Inc, Location: NENE Sect 33 T25N R55E, County: Richland, Montana

Well Name: Fink 42X-12, API Number: 2505322172, Opeartor: White Rock Oil & Gas, LLC, Location: SENE Sect 12 T24N R55E, County: Richland, Montana

**Water Wells in the Area of Review**

Surface Owner: Continental Resources, Location: 47.874861, -104.622932, Total Depth: 300', Use: Other (1) Industrial

Surface Owner: Ron Fink, Location: 47.866389, -104.603056, Total Depth: 40', Use: Stock Water

Surface Owner: Ron Fink, Location: 47.866932, -104.612605, Total Depth: 55', Use: Irrigation

Surface Owner: Donald McVay, Location: 47.8666, -104.6036, Total Depth: 34', Use: Domestic

Surface Owner: Ron Fink, Location: 47.866667, -104.603056, Total Depth: 190', Use: Stock Water

Surface Owner: Ron Fink, Location: 47.86595, -104.60752, Total Depth: 200', Use: Domestic

Surface Owner: Bert Bidegaray, Location: 47.864956, -104.625914, Total Depth: 42', Use: Domestic

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**Johnson 1-33 SWD  
Aquifer Exemption Application**

**2. Dakota Description**

From the North Dakota Stratigraphic Column of the Williston Basin:  
The Dakota (Inyan Kara) is a non-marine and marine fine to coarse quartzose sandstone that is light gray in color with occasional lenses of gray shale.

**Johnson 1-33 SWD Open-Hole Electric Logs:**

In the Johnson 1-33 SWD, the top of the Dakota silt is at 5,006 feet, measured depth. The main clean sand lens top is at 5,098 feet and the base is at 5,180 feet. Within the main clean sand, there is approximately 78 feet of clean porous sand averaging 20+% cross-plot porosity (as read from a neutron/density open hole log ran on a limestone matrix).

3. This topic will be answered by John Gizicki with the Montana Board of Oil and Gas

4. See attached water quality analysis.

- A. The document from the Groundwater Information Center (GWIC) of the Montana Bureau of Mines and Geology, provided in response to item #1 of the Aquifer Exemption worksheet, shows that there are no water wells anywhere in sections 34 and 35 of T25N R55E. A further search found fresh water wells located in sections 29, 32, and 33 of T24N R55E and sections 3, 4 and 5 of T24N-R55E. These sections totally encompass more than the 0.65 mile radius area of-review. The deepest well was drilled to 300' by Continental Resources, Inc.
- B. (1) The Dakota formation produces oil and gas in the Girard Field located in Richland County, Montana. There also is an active Dakota formation disposal

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### 3. Pore Space Calculation (for AE expansion)

Volume (barrels) =  $(\pi)(\text{porosity})(r^2)(\text{interval thickness in ft.})/5.63$  (conversion factor)

18% porosity using 20 ft. thickness + 22% porosity using 80 ft. thickness to find the radius of emplaced fluids equaling 41,200,000 barrels:

$$\frac{\pi(0.18)(20)(r^2)}{5.63} + \frac{\pi(0.22)(80)(r^2)}{5.63} = 41,200,000$$

$$\frac{11.309r^2}{5.63} + \frac{55.292r^2}{5.63} = 41,200,000$$

$$\left( \frac{66.601r^2}{5.63} \right) (5.63) = (41,200,000)(5.63)$$

$$\sqrt{66.601r^2} = \sqrt{231,956,000}$$

$$\frac{8.16r}{8.16} = \frac{15,230}{8.16}$$

$$r = 1,866' \quad (\text{an expansion of } 546')$$

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**Johnson 1-33 SWD**  
**Aquifer Exemption Application**

well in Richland County. It is Dore Doris SWD 201 operated by Landtech in section 9 T24N R58E approximately 10 miles to the east and 2 miles to the south of the Johnson 1-33 location. Attached is a copy of the scout ticket and disposal data for it.

(2) Along with the freshwater well that is near the Johnson 1-33 SWD, there are several wells that are within the Township. The enclosed printout from the GWIC shows the deepest water well for domestic use was drilled to a total depth of 342 ft. Drilling a water well to 342ft would be significantly less expensive than drilling a well to the Dakota at 5180ft. In addition to the drilling costs the shallower wells could likely be constructed with a single string of casing, while a Dakota well would require multiple strings of casing. Also, the deeper well would require a much more powerful and expensive drilling rig, and a significantly more powerful pump to bring the water to the surface. At a drilling and completion cost of \$25-30 per foot a 342 ft deep water well would cost approximately \$8,550-10,260 to drill and complete. A well to the Dakota formation at 5,180 ft would likely cost in excess of \$500,000 to drill and complete.

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## Complete Water Analysis

Customer: **CONTINENTAL RESOURCES INC**  
 Formation Zone:  
 Geographic Region: **Sidney**  
 Geographic Location: **Sidney, MT**  
 System Description: **Production System**

Equipment Description: **JOHNSON SWD**  
 Sample Point: **Pre-Filter**  
 Customer ID: **25083224490000**  
 Latitude/Longitude: **47.87, -104.61**  
 Account Rep: **Gregory.Loder@ChampionX.com**

Collect Date: **01/25/2024**  
 Submit Date: **01/30/2024**  
 Report Date: **01/30/2024**  
 Sample ID: **AX23645**  
 Location Code: **434522**

Field Analysis			Sample Analysis		
Analysis	Result	Analysis Method	Analysis	Result	Analysis Method
Pressure Surface	25 psi		Specific Gravity	1.178	Densitometer
Temperature	55 ° F		Ionic Strength	4.65 mol/L	Calculation
			Total Dissolved Solids	260000 mg/L	Calculation
			ph (measured)	5.33	Meter
			Total Inorganic Carbon (as HCO <sub>3</sub> )	102 mg/L	TOC
			Bicarbonate - NDIR	9.00 mg/L	TOC
			Carbonate - NDIR	Not Detected mg/L	TOC
			Dissolved CO <sub>2</sub> - NDIR	94.0 mg/L	TOC

### Cations - Analyzed By ICP

Iron	161 mg/L	Potassium	6180 mg/L	Cobalt	<0.050 mg/L
Manganese	18.2 mg/L	Boron	446 mg/L	Chromium	0.090 mg/L
Barium	18.2 mg/L	Lithium	63.3 mg/L	Silicon	16.5 mg/L
Strontium	719 mg/L	Copper	0.114 mg/L	Aluminum	19.9 mg/L
Calcium	11100 mg/L	Nickel	0.154 mg/L	Molybdenum	<0.050 mg/L
Magnesium	860 mg/L	Zinc	6.27 mg/L	Phosphorus	5.56 mg/L
Sodium	81200 mg/L	Lead	0.300 mg/L	Measured Sodium	81200 mg/L

### Anions - Analyzed By IC\*

Chloride	159000 mg/L	Bromide	685 mg/L	Sulfate	469 mg/L
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### Scale Type

Anhydrite CaSO <sub>4</sub> PTB	N/A	Anhydrite CaSO <sub>4</sub> SI	-0.23
Barite BaSO <sub>4</sub> PTB	10.7	Barite BaSO <sub>4</sub> SI	1.86
Calcite CaCO <sub>3</sub> PTB	N/A	Calcite CaCO <sub>3</sub> SI	-2.7
Celestite SrSO <sub>4</sub> PTB	186	Celestite SrSO <sub>4</sub> SI	0.65
Gypsum CaSO <sub>4</sub> PTB	N/A	Gypsum CaSO <sub>4</sub> SI	-0.28
Hemihydrate CaSO <sub>4</sub> PTB	N/A	Hemihydrate CaSO <sub>4</sub> SI	-0.31

### Comments

Pre-filter. CLR request for permitting

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Scaling predictions calculated using Odde-Tomson model

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**MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS**

CONTINENTAL RESOURCES  
BRADLY CUNDIFF  
RICHLAND MTJOHNSON 1-33 SWD  
POST FILTER**JAN 31 2025****MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS**Report Date: 01-15-2025  
Sample #: 2358Sampled: 01-03-2025 at 0000  
Sample ID: 399539**CATIONS**

Calcium (as Ca)	8629
Magnesium (as Mg)	676.15
Barium (as Ba)	12.36
Strontium (as Sr)	617.92
Sodium (as Na)	82774
Potassium (as K)	5380
Lithium (as Li)	53.16
Ammonia (as NH <sub>3</sub> )	0.00
Aluminum (as Al)	1.25
Iron (as Fe)	120.88
Manganese (as Mn)	6.90
Zinc (as Zn)	4.88
Lead (as Pb)	0.00

**ANIONS**

Chloride (as Cl)	151400
Sulfate (as SO <sub>4</sub> )	150.00
Bromine (as Br)	0.00
Dissolved CO <sub>2</sub> (as CO <sub>2</sub> )	460.00
Bicarbonate (as HCO <sub>3</sub> )	366.00
Carbonate (as CO <sub>3</sub> )	0.00
Oxalic acid (as C <sub>2</sub> O <sub>4</sub> )	0.00
Silica (as SiO <sub>2</sub> )	0.00
Phosphate(as PO <sub>4</sub> )	0.00
H <sub>2</sub> S (as H <sub>2</sub> S)	0.00
Fluoride (as F)	0.00
Nitrate (as NO <sub>3</sub> )	0.00
Boron (as B)	361.74

**PARAMETERS**

Calculated T.D.S.	270549
Molar Conductivity	238008
Resistivity	4.20
Sp.Gr.(g/mL)	1.158
Pressure(atm)	1.00
pCO <sub>2</sub> (atm)	0.00232
pH <sub>2</sub> S(atm)	0.00
Temperature (°F)	62.60
pH	8.10

**BOUND IONS**

	<b>TOTAL</b>	<b>FREE</b>
Calcium	9993	9916
Barium	14.31	14.31
Carbonate	319.87	0.373
Phosphate	0.00	0.00
Sulfate	173.70	30.89

**CORROSION RATE PREDICTION**

CO <sub>2</sub> - H <sub>2</sub> S Rate(mpy)	0.0289
--	--------

**COMMENTS**

**Jacam Catalyst**  
**1656 Ave Q Building 8, Sterling, KS 67579**

**14 3 - 2025**



CONTINENTAL RESOURCES  
BRADLY CUNDIFF  
RICHLAND MTJOHNSON 1-33 SWD  
POST FILTER**RECEIVED****JAN 31 2025**Report Date: 01-15-2025  
Sample #: 2358Sampled: 01-03-2025 at 0000  
Sample ID: 399539**MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS****SATURATION RATIO as IAP/Ksp**

Calcite (CaCO <sub>3</sub> )	43.96
Aragonite (CaCO <sub>3</sub> )	42.36
Witherite (BaCO <sub>3</sub> )	0.00
Strontianite (SrCO <sub>3</sub> )	1.73
Calcium oxalate (CaC <sub>2</sub> O <sub>4</sub> )	0.00
Magnesite (MgCO <sub>3</sub> )	4.16
Anhydrite (CaSO <sub>4</sub> )	0.13
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	0.15
Barite (BaSO <sub>4</sub> )	3.80
Celestite (SrSO <sub>4</sub> )	0.10
Fluorite (CaF <sub>2</sub> )	0.00
Calcium phosphate	0.00
Hydroxyapatite	0.00
Silica (SiO <sub>2</sub> )	0.00
Brucite (Mg(OH) <sub>2</sub> )	0.00302
Magnesium silicate	0.00
Iron hydroxide (Fe(OH) <sub>3</sub> )	12029.73
Strengite (FePO <sub>4</sub> *2H <sub>2</sub> O)	0.00
Siderite (FeCO <sub>3</sub> )	149.53
Halite (NaCl)	0.49
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	0.00
Iron sulfide (FeS)	0.00

**SIMPLE INDICES**

Langelier	3.35
Ryznar	1.40
Puckorius	0.966
Larson-Skold Index	402.72
Stiff Davis Index	3.46
Oddo-Tomson	2.35

**FREE ION MOMENTARY EXCESS (Lbs/1000 Barrels)**

Calcite (CaCO <sub>3</sub> )	0.212
Aragonite (CaCO <sub>3</sub> )	0.212
Witherite (BaCO <sub>3</sub> )	-23.24
Strontianite (SrCO <sub>3</sub> )	0.135
Calcium oxalate (CaC <sub>2</sub> O <sub>4</sub> )	-0.00217
Magnesite (MgCO <sub>3</sub> )	0.139
Anhydrite (CaSO <sub>4</sub> )	-102.89
Gypsum (CaSO <sub>4</sub> *2H <sub>2</sub> O)	-96.25
Barite (BaSO <sub>4</sub> )	5.63
Celestite (SrSO <sub>4</sub> )	-135.93
Fluorite (CaF <sub>2</sub> )	-1.41
Calcium phosphate	>-0.001
Hydroxyapatite	-195.78
Silica (SiO <sub>2</sub> )	-19.76
Brucite (Mg(OH) <sub>2</sub> )	-0.175
Magnesium silicate	-70.41
Iron hydroxide (Fe(OH) <sub>3</sub> )	< 0.001
Strengite (FePO <sub>4</sub> *2H <sub>2</sub> O)	>-0.001
Siderite (FeCO <sub>3</sub> )	0.249
Halite (NaCl)	-36249
Thenardite (Na <sub>2</sub> SO <sub>4</sub> )	-84051
Iron sulfide (FeS)	>-0.001

**CARBONATE PRECIPITATION POTENTIAL (Lbs/1000 Barrels)**

Calcite (CaCO <sub>3</sub> )	249.27
Aragonite (CaCO <sub>3</sub> )	249.11
Witherite (BaCO <sub>3</sub> )	2.89
Strontianite (SrCO <sub>3</sub> )	226.15
Magnesite (MgCO <sub>3</sub> )	234.77
Siderite (FeCO <sub>3</sub> )	101.29

**OPERATING CONDITIONS**

Temperature (°F)	62.60
Time(secs)	0.00

**Jacam Catalyst**  
**1656 Ave Q Building 8, Sterling, KS 67579****143-2025**





## SYSTEM IDENTIFICATION

CONTINENTAL RESOURCES  
JOHNSON 1-33 SWD  
BRADLY CUNDIFF  
POST FILTER  
RICHLAND MT

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GAS CONSERVATION • BILLINGS

Sample ID#: 2358  
ID 399539

Sample Date: 01-03-2025 at 0000  
Report Date: 01-15-2025

## WATER CHEMISTRY

## CATIONS

Calcium(as Ca)	8629
Magnesium(as Mg)	676.15
Barium(as Ba)	12.36
Strontium(as Sr)	617.92
Sodium(as Na)	82774
Potassium(as K)	5380
Lithium(as Li)	53.16
Iron(as Fe)	120.88
Ammonia(as NH <sub>3</sub> )	0.00
Aluminum(as Al)	1.25
Manganese(as Mn)	6.90
Zinc(as Zn)	4.88
Lead(as Pb)	0.00

## ANIONS

Chloride(as Cl)	151400
Sulfate(as SO <sub>4</sub> )	150.00
Bromine(as Br)	0.00
Dissolved CO <sub>2</sub> (as CO <sub>2</sub> )	460.00
Bicarbonate(as HCO <sub>3</sub> )	366.00
Carbonate(as CO <sub>3</sub> )	0.00
Silica(as SiO <sub>2</sub> )	0.00
Phosphate(as PO <sub>4</sub> )	0.00
H <sub>2</sub> S (as H <sub>2</sub> S)	0.00
Fluoride(as F)	0.00
Nitrate(as NO <sub>3</sub> )	0.00
Boron(as B)	361.74

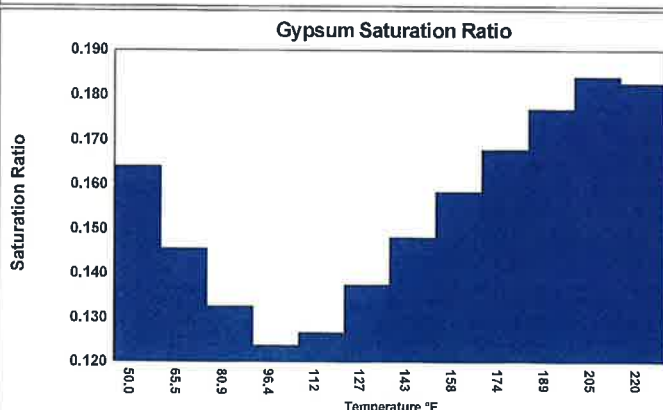
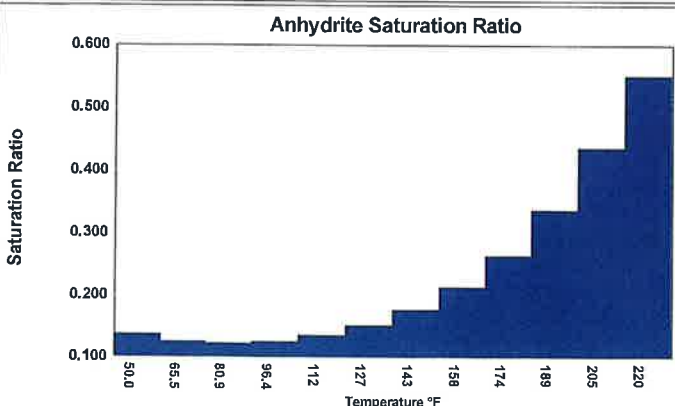
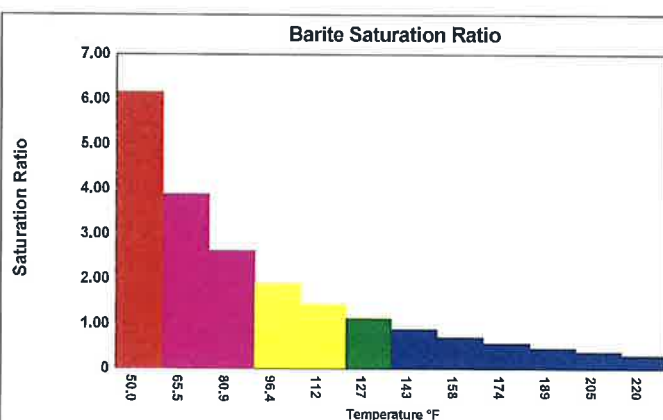
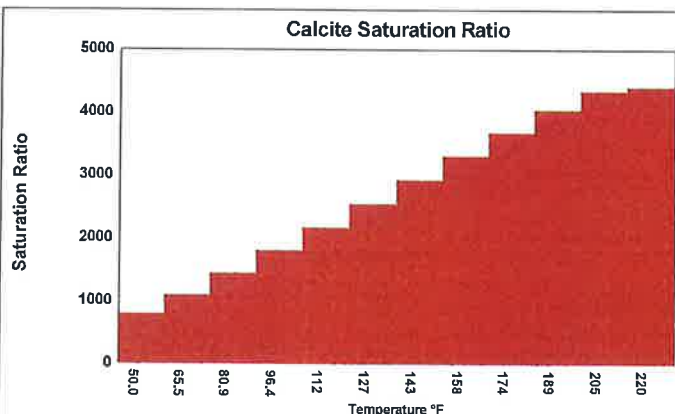
## PARAMETERS

Temperature(°F)	62.60	Sample pH	8.10
Conductivity	238008	Sp.Gr.(g/mL)	1.158
Resistivity	4.20	T.D.S.	270549

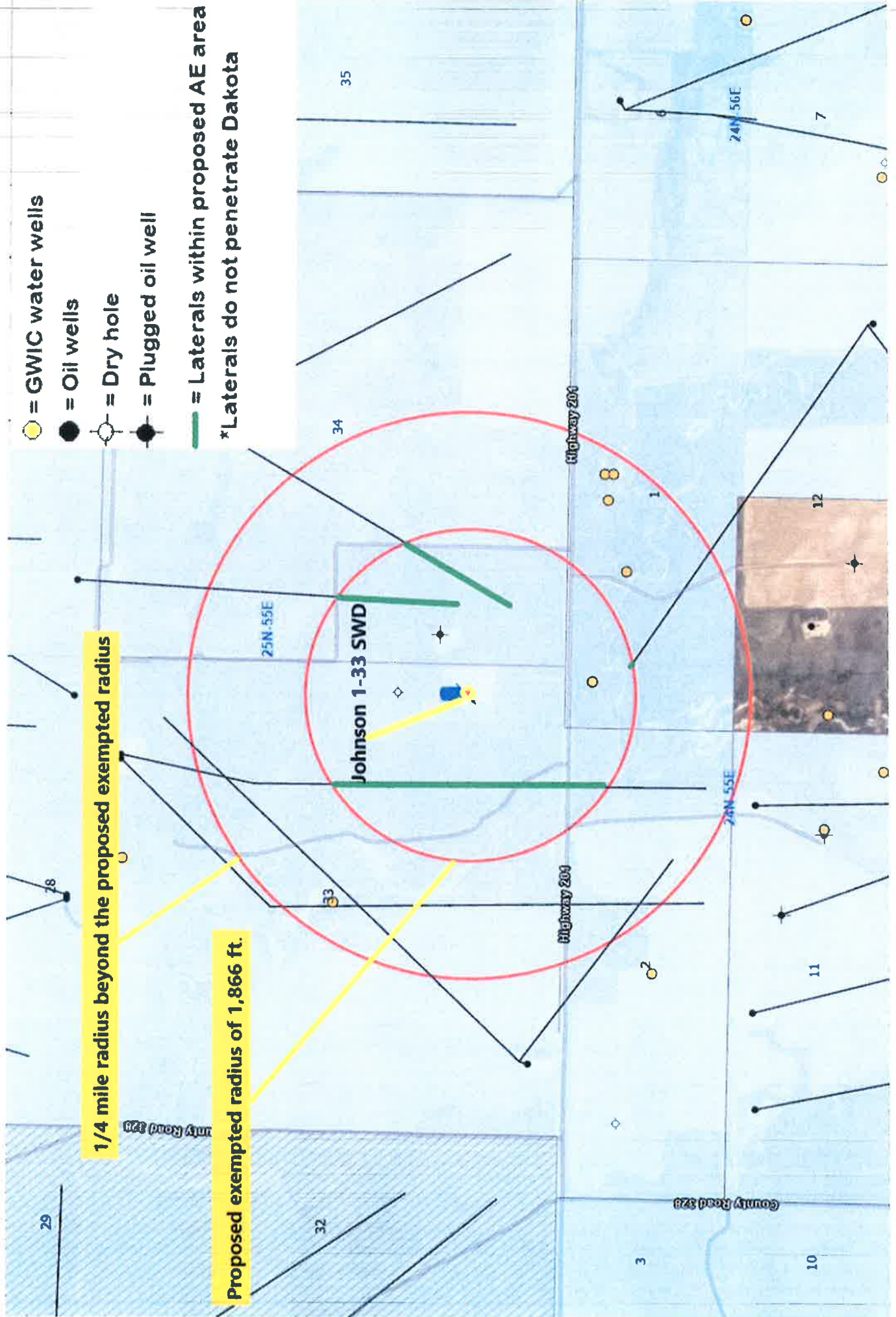
## SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (atm)	Calcite CaCO <sub>3</sub>		Anhydrite CaSO <sub>4</sub>		Gypsum CaSO <sub>4</sub> *2H <sub>2</sub> O		Barite BaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Siderite FeCO <sub>3</sub>		Mackinawite FeS		CO <sub>2</sub> (mpy)	pCO <sub>2</sub> (atm)
50.00	1.000	777.51	4.76	0.135	-107.88	0.164	-97.65	6.15	6.69	0.126	-125.02	2666	5.51	0.00	>-0.001	0.0212	0.00232
65.45	1.000	1081	6.00	0.124	-115.44	0.145	-108.77	3.88	5.74	0.114	-133.49	4252	6.95	0.00	>-0.001	0.0397	0.00232
80.91	1.000	1426	7.29	0.121	-116.18	0.132	-118.20	2.62	4.60	0.111	-134.44	6393	8.44	0.00	>-0.001	0.0132	0.00232
96.36	1.000	1790	8.57	0.124	-110.96	0.124	-125.98	1.89	3.36	0.112	-131.21	9088	9.92	0.00	-0.00106	0.0173	0.00232
111.82	1.000	2153	9.81	0.134	-101.23	0.127	-121.97	1.43	2.07	0.116	-126.29	12278	11.36	0.00	-0.00114	0.0182	0.00232
127.27	1.000	2528	11.15	0.150	-88.64	0.137	-111.39	1.11	0.662	0.121	-122.01	16021	12.91	0.00	-0.00124	0.0152	0.00232
142.73	1.000	2911	12.60	0.175	-74.62	0.148	-103.35	0.876	-0.898	0.126	-118.55	20158	14.59	0.00	-0.00139	0.0124	0.00232
158.18	1.000	3293	14.19	0.212	-60.33	0.158	-97.37	0.699	-2.62	0.131	-115.93	24336	16.43	0.00	-0.00159	0.0129	0.00232
173.64	1.000	3666	15.91	0.263	-46.65	0.168	-93.13	0.564	-4.52	0.136	-114.16	28029	18.42	0.00	-0.00188	0.0133	0.00232
189.09	1.000	4030	17.77	0.336	-34.05	0.177	-90.33	0.459	-6.63	0.140	-113.42	30611	20.57	0.00	-0.00232	0.00671	0.00232
204.55	1.000	4337	19.79	0.436	-23.10	0.184	-88.99	0.377	-8.94	0.145	-112.97	31520	22.91	0.00	-0.00300	0.00562	0.00232
220.00	18.207	4397	22.35	0.551	-15.38	0.183	-94.86	0.297	-12.26	0.142	-120.83	29442	25.88	0.00	-0.00426	0.0344	0.0423
		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per		Lbs per			
		xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000	xSAT	1000		
		Barrels		Barrels		Barrels		Barrels		Barrels		Barrels		Barrels			

Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO<sub>3</sub>}/K<sub>sp</sub>. pCO<sub>2</sub> (atm) is the partial pressure of CO<sub>2</sub> in the gas phase.  
Lbs/1000 Barrels scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



143-2025



○ = GWIC water wells

● = Oil wells

○ = Dry hole

● = Plugged oil well

— = Laterals within proposed AE area

\* Laterals do not penetrate Dakota

1/4 mile radius beyond the proposed exempted radius

Proposed exempted radius of 1,866 ft.

# MONTANA WELL LOG REPORT

## Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

[Go to GWIC website](#)  
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[View water quality for this site](#)  
[View scanned well log \(7/30/2010 8:51:26 AM\)](#)

**Site Name: FINK, RON**  
**GWIC Id: 163340**  
**DNRC Water Right: 101099**

## Section 7: Well Test Data

Total Depth: 200  
 Static Water Level: 55  
 Water Temperature:

## Section 1: Well Owner(s)

1) FINK, RON (MAIL)  
 HC 84 BOX 19A  
 LAMBERT MT 59243 [04/14/1997]

## Section 2: Location

Township	Range	Section	Quarter Sections	County	Geocode
24N	55E	1	NW¼ NW¼ SE¼	RICHLAND	
Latitude	Longitude	Geomethod	Datum	Ground Surface Altitude	Ground Surface Method
47.86595	-104.60752	NAV-GPS	NAD83	2246	NAV-GPS
Addition	Block	Lot			

## Air Test \*

15 gpm with drill stem set at    feet for 4 hours.  
 Time of recovery    hours.  
 Recovery water level    feet.  
 Pumping water level 120 feet.

\* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

## Section 8: Remarks

## Section 9: Well Log Geologic Source

Unassigned

From	To	Description
0	20	CLAY
20	35	SANDY SHALE
35	40	COAL
40	53	SAND
53	57	GRAVEL
57	120	SHALE
120	130	COAL
130	177	SHALE
177	197	GRAY SAND
197	200	SHALE
200	202	COAL

## Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name:

Company: SHARP DRILLING INC

License No: WWC-515

Date Completed: 4/14/1997

## Section 3: Proposed Use of Water DOMESTIC (1)

## Section 4: Type of Work

Drilling Method: ROTARY  
 Status: NEW WELL

## Section 5: Well Completion Date

Date well completed: Monday, April 14, 1997

## Section 6: Well Construction Details

There are no borehole dimensions assigned to this well.

### Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	19	5				STEEL
19	200	5				PLASTIC

### Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
200	200	5			OPEN BOTTOM *

### Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	180	BENTONITE	

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## Other Options

Go to GWIC website  
Plot this site in State Library Digital Atlas  
Plot this site in Google Maps

## Section 7: Well Test Data

Total Depth: 40  
Static Water Level: 13  
Water Temperature:

### Air Test \*

12 gpm with drill stem set at 40 feet for 1 hours.  
Time of recovery 0.5 hours.  
Recovery water level 13 feet.  
Pumping water level    feet.

Township	Range	Section	Quarter Sections
24N	55E	1	NW¼ NW¼
County	Geocode		
RICHLAND			
Latitude	Longitude	Geomethod	Datum
47.866389	-104.603056	NAV-GPS	WGS84
Ground Surface Altitude	Ground Surface Method	Datum	Date

*\* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Addition	Block	Lot
----------	-------	-----

## Section 9: Well Log

### Geologic Source

Unassigned

[illegible]

## Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

**Name:** TERRY WILLIAMS  
**Company:** THERMAL DRILL INC  
**License No:** WWC-626  
**Expiry Date Completed:** 10/1/2020

### Borehole dimensions

## Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	19	5	0.25	250.0	THREAD AND COLLAR	A53B STEEL
10	30	5	0.25	250.0	SOLVENT WELD	PVC-SDR 17

From	To	Diameter	# of Openings	Size of Openings	Description
30	40	5	25	.025	SCREEN-CONTINUOUS-PVC

From	To	Description	Cont. Fed?
0	20	BENTONITE CHIPS	
20	40	.00 ROCK	

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## Other Options

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[View hydrograph for this site](#)  
[View field visits for this site](#)  
[View scanned well log \(7/30/2010 8:51:09 AM\)](#)

## Section 7: Well Test Data

Total Depth: 34  
Static Water Level: 14  
Water Temperature:

### Bailer Test \*

15 gpm with    feet of drawdown after 1.5 hours.  
Time of recovery    hours.  
Recovery water level    feet.  
Pumping water level 25 feet.

*\* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

## Section 8: Remarks

25 INCHES CULVERT CASING WITH ELECTRIC PUMP AT SURFACE.  
SAMPLING POINT DESCRIPTION - HOSE EMERGING FROM TOP OF  
WELL.

## Section 9: Well Log

### Geologic Source

## 110ALVM - ALLUVIUM (QUATERNARY)

[illegible]

## Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

## Name:

**Company:** SALSBUry WELL DRILLING INC

**License No:** WWC-159

**Date Completed:** 6/14/1978

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			# of	Size of	
From	To	Diameter	Openings	Openings	Description
34	34	24			OPEN BOTTOM *

### Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	10	BENTONITE	



# MONTANA WELL LOG REPORT

## Other Options

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[View scanned well log \(5/13/2013 9:30:45 AM\)](#)

Site Name: FINK, RON  
GWIC Id: 268633

## Section 7: Well Test Data

### Section 1: Well Owner(s)

1) FINK, RON (MAIL)  
32940 HWY 201  
LAMBERT MT 59243 [10/11/2012]  
2) FINK, RON (WELL)  
32940 HWY 201  
LAMBERT MT 59243 [10/11/2012]

Total Depth: 190  
Static Water Level: 55  
Water Temperature:

### Air Test \*

25 gpm with drill stem set at 190 feet for 3 hours.  
Time of recovery 0.5 hours.  
Recovery water level 55 feet.  
Pumping water level    feet.

\* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

### Section 2: Location

Township Range Section Quarter Sections  
24N 55E 1 SE¼  
County Geocode

RICHLAND

Latitude Longitude Geomethod Datum  
47.866667 -104.603056 NAV-GPS WGS84

### Section 8: Remarks

Ground Surface Altitude Ground Surface Method Datum Date PUMPING LEVEL 120 WITH 10 GPM

Addition Block Lot  
GOVT LOT 2

### Section 9: Well Log Geologic Source

Unassigned

From	To	Description
0	20	BROWN SAND & CLAY
20	50	BROWN SAND
50	60	FINE GRAVAL
60	70	FINE GRAY SAND
70	90	GRAY CLAY
90	95	COAL
95	110	GRAY CLAY
110	130	COAL (10 GPM)
130	170	GRAY CLAY
170	190	GRAY SAND

### Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name: TERRY WILLIAMS

Company: THERMAL DRILL INC

License No: WWC-626

Date Completed: 10/11/2012

### Section 3: Proposed Use of Water STOCKWATER (1)

### Section 4: Type of Work

Drilling Method: ROTARY  
Status: NEW WELL

### Section 5: Well Completion Date

Date well completed: Thursday, October 11, 2012

### Section 6: Well Construction Details

#### Borehole dimensions

From	To	Diameter
0	190	12

#### Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	25	5	0.25	250.0	THREAD AND COLLAR	A53B STEEL
25	180	5	0.25	250.0	SPLINE	PVC-SDR 17

#### Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
180	190	5	25	.020	SCREEN-CONTINUOUS-PVC

#### Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	160	BENTONITE CHIPS	
160	190	.00 ROCK	

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## Other Options

[Go to GWIC website](#)  
[Plot this site in State Library Digital Atlas](#)  
[Plot this site in Google Maps](#)

## Section 7: Well Test Data

Total Depth: 55  
Static Water Level: 15  
Water Temperature:

### Pump Test \*

Depth pump set for test 55 feet.  
8 gpm pump rate with 40 feet of drawdown after 2 hours of pumping.  
 Time of recovery 0.5 hours.  
 Recovery water level 15 feet.  
 Pumping water level    feet.

Township	Range	Section	Quarter Sections
24N	55E	1	NW¼ NW¼
County		Geocode	

*\* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

<b>Latitude</b>	<b>Longitude</b>	<b>Geomethod</b>	<b>Datum</b>
47.86693245195	-104.6126057315	TRS-SEC	NAD83
<b>Ground Surface Altitude</b>	<b>Ground Surface Method</b>	<b>Datum</b>	<b>Date</b>

### Section 8: Remarks

## Block

**Lot**

## Section 9: Well Log

### Geologic Source

**Section 4: Type of Work**  
Drilling Method: ROTARY  
Status: NEW WELL

Date well completed: Friday, April 1, 2022

### Borehole dimensions

From	To	Diameter
0	55	12

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	25	5	0.25	250.0	THREAD AND COLLAR	A53B STEEL
25	45	5	0.25	250.0	SPLINE	PVC-SDR 17

From	To	Diameter	# of Openings	Size of Openings	Description
45	55	5	25	.025	SCREEN-CONTINUOUS-PVC

From	To	Description	Cont. Fed?
0	20	BENTONITE CHIP	
20	45	.00 ROCK	
45	55	10-20 SILICA SAND	

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

**Name:** TERRY WILLIAMS  
**Company:** THERMAL DRILL INC  
**License No:** WWC-626  
**Rate Completed:** 4/1/2022

# MONTANA WELL LOG REPORT

## Other Options

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report is compiled electronically from the contents of the Ground Water Information Center (GWIC) database for this site. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

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[View water quality for this site](#)  
[View scanned well log \(6/21/2007 2:22:26 PM\)](#)  
[View scanned well log \(7/30/2010 9:09:22 AM\)](#)

Site Name: CONTINENTAL RESOURCES  
 GWIC Id: 236187

## Section 7: Well Test Data

### Section 1: Well Owner(s)

1) CONTINENTAL RESOURCES (MAIL)  
 P.O. BOX 986  
 SIDNEY MT 59270 [05/15/2007]

Total Depth: 300  
 Static Water Level: 67.6  
 Water Temperature:

### Pump Test \*

Depth pump set for test 280 feet.  
 12 gpm pump rate with 244.8 feet of drawdown after 8 hours of pumping.  
 Time of recovery \_ hours.  
 Recovery water level \_ feet.  
 Pumping water level \_ feet.

\* During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

### Section 2: Location

Township Range Section Quarter Sections  
 25N 55E 33  
 County Geocode

RICHLAND

Latitude Longitude Geomethod Datum  
 47.874861 -104.622932 TRS-SEC NAD83  
 Ground Surface Altitude Ground Surface Method Datum Date

Addition Block Lot

## Section 8: Remarks

### Section 3: Proposed Use of Water

OTHER (1)

### Section 4: Type of Work

Drilling Method: ROTARY  
 Status: NEW WELL

### Section 5: Well Completion Date

Date well completed: Tuesday, May 15, 2007

### Section 6: Well Construction Details

#### Borehole dimensions

From	To	Diameter
0	290	8.75

#### Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	20	5	0.275		THREADED	STEEL
20	280	5		250.00		PVC

#### Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
280	290	5		.20	SCREEN-CONTINUOUS-STAINLESS

#### Annular Space (Seal/Grout/Packer)

From	To	Description	Cont. Fed?
0	260	BENTONITE CHIPS	Y
260	290	12/20 SILICA SAND	

### Section 9: Well Log

#### Geologic Source

125FRUN - FORT UNION FORMATION

From	To	Description
0	1	TOPSOIL - FILL
1	26	CLAY - YELLOW - SANDY
26	38	CLAY OLIVE GRAY
38	40	GRAVEL AND SAND MEDIUM
40	85	CLAYSTONE LGT. GRAY
85	95	LIGNITE
95	98	CARBARDON SHALE
98	102	LIGNITE
102	148	CLAYSTONE GREENISH GRAY
148	151	LIGNITE
151	165	CLAYSTONE LGT. GRAY - SILTY
165	170	LIGNITE
170	235	CLAYSTONE LGT. GRAY
235	238	LIGNITE
238	281	CLAYSTONE LIGHT. GRAY

#### Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

#### Name:

Company: AGRI INDUSTRIES INC

License No: WWC-537

Date Completed: 5/15/2007

Site Name: CONTINENTAL RESOURCES

GWIC Id: 236187

#### Additional Lithology Records

From	To	Description
281	290	LIGNITE
290	300	CLAYSTONE LGT. GRAY

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BEFORE THE BOARD OF OIL AND GAS CONSERVATION  
OF THE STATE OF MONTANA

**NOTICE OF INTENTION TO EXPAND THE RADIUS OF AN EXISTING  
AQUIFER EXEMPTION ASSOCIATED WITH AN EXISTING CLASS II  
INJECTION WELL**

In the Matter of the Application of CONTINENTAL RESOURCES, INC. for an aquifer exemption:

1. Name and Address of Applicant: Continental Resources, Inc., P.O. Box 268870, Oklahoma City, Oklahoma 73126, (405) 234-9000 fax (405) 234-9562
2. Well Name and Legal Description: Johnson 1-33 SWD, Surface Hole Location: 1120' FSL & 330' FEL, SESE Sec 33-25N-55E, County: Richland
3. Continental Resources, Inc. is proposing to increase the radius of the aquifer exemption for the above referenced well by 546 ft from the currently permitted 1320 ft radius around the wellbore to an 1866 ft radius around the wellbore in the Dakota formation at a depth of approximately 5066 ft to 5178 ft.

Notice is hereby given that an application for an aquifer exemption at the surface location set forth will be filed with the Montana Board of Oil and Gas Conservation. Pursuant to Rules 36.22.1409, Administrative Rules of Montana, the Montana Board of Oil and Gas Conservation will hold a public hearing upon the application of Continental Resources, Inc. for an aquifer exemption for the well set forth above. Said hearing will be held at 9am on April 10, 2025 at the Montana Board of Oil and Gas Conservation, 2535 St. John's Avenue, Billings, Montana 59102.

RECEIVED

JAN 31 2025

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

14 3 - 20 25

**ORIGINAL APPROVED AE APPLICATION  
FOR THE  
JOHNSON 1-33 SWD**

**14 3 - 2 0 2 5**



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**APR 17 2008**

**RECEIVED**

**APR 18 2008**

**MONTANA BOARD OF OIL  
& GAS CONSV. BILLINGS**

Ref: 8P-W-GW

Mr. Thomas P. Richmond  
Administrator  
Montana Board of Oil and Gas Conservation  
2535 Saint Johns Avenue  
Billings, MT 59102

RE: Concurrence with Aquifer Exemption  
and Underground Injection Control (UIC)  
Program Revision Approval  
Dakota Formation  
Section 33, T25N, R55E  
Richland County, MT  
Permit # MT-5157, API #25-083-22449

Dear Mr. Richmond:

My staff has reviewed your request on behalf of Continental Resources, Inc. for concurrence on the Montana Board of Oil and Gas Conservation (MBOGC) authorization to exempt a portion of the Dakota Formation. The described portion of the Dakota Formation to be exempted is from 5,066' to 5,178' measured depth, within the ¼ mile radius surrounding the Johnson 1-33 wellbore. This injection well is located at 1120' FSL, 330' FEL, Section 33, T25N, R55E, in Richland County, MT. I do not object to the authorization.

The authority for exempting aquifers is provided under Administrative Rules of Montana, Oil and Gas Conservation, Sub-Chapter 14 Underground Injection Control Rule 36.22.1418. The Environmental Protection Agency (EPA) concurrence is considered a non-substantial revision of the MBOGC program for the regulation of Class II injection wells under Section 1425 of the Safe Drinking Water Act, as defined by 40 CFR § 145.32, and described in UIC Program Guidance 34. Aquifer exemption determinations are case-specific, and this decision may or may not be applied to future requests.

## **BACKGROUND**

The MBOGC approved a permit for the Continental Resources Johnson 1-33 well as a newly drilled saltwater disposal well on January 26, 2006. The well was drilled in March 2006 and is currently shut in. At the time the well was permitted, the applicant had not sampled the Dakota Formation, and did not submit an aquifer exemption. A swab sample from the Johnson 1-33, collected May 30, 2006, contained 7,188 mg/L total dissolved solids (TDS).

**143-2025**

On June 28, 2007, MBOGC submitted an aquifer exemption request for the described portion of the Dakota Formation to EPA Region 8. A water sample obtained from the treater associated with a production well (Big Sky 1-35H); collected April 21, 2005, indicates that the injectate contains approximately 259,656 mg/L total dissolved solids (calculated).

The Dakota Formation meets the definition of an Underground Source of Drinking Water (USDW) at the location of the Johnson 1-33 well. Pursuant to the Administrative Rules of Montana 36.22.1418(1)(ii), the described portion of the Dakota Formation may be exempted on the basis of the following criteria:

- **It does not currently serve as a source of drinking water.** According to water well data from the Groundwater Information Center of the Montana Bureau of Mines and Geology, there are no water supply wells penetrating the Dakota Formation in the ½ - mile area surrounding the Johnson 1-33 well; and
- **The aquifer is situated at a depth or location which makes recovery of the water for drinking water purposes economically or technologically impractical.** The Dakota formation is unlikely to be utilized for a public water supply because of its depth, and because other, shallower USDWs are available for drinking water. Based on information presented and additional publically available information, it is unlikely that a community will place a municipal water supply well into the Dakota Formation at this location. According to Continental Resources, a water well would likely cost in excess of \$500,000 to drill and complete to a depth of 5,180 feet.

Please contact Margo Smith, of my staff, at (303) 312-6318, with questions or concerns regarding this matter.

Sincerely,



for

Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: George Hudak  
UIC Program Director, Montana Board of Oil and Gas Conservation

Joe Meek  
Montana Department of Environmental Quality

DEPARTMENT OF NATURAL RESOURCES  
AND CONSERVATION

BOARD OF OIL AND GAS CONSERVATION

BRIAN SCHWEITZER, GOVERNOR

OIL AND GAS CONSERVATION DIVISION



STATE OF MONTANA

June 26, 2007

Margo Smith  
U.S. EPA  
1595 Wynkoop St.  
Denver, CO 80202-1129

Dear Ms. Smith:

Enclosed is a copy of an application for an aquifer exemption for the Johnson 1-33 saltwater disposal well in Richland County, Montana. This well was permitted by the Board on January 26, 2006, and at that time the applicant believed an aquifer exemption would not be needed. Subsequent sampling of the Dakota injection zone showed that the TDS content was less than 10,000 mg/l and thus an aquifer exemption is necessary before disposal can occur.

The Dakota Formation within ½-mile of the Johnson 1-33 is not being utilized as a source of drinking water, and is unlikely to be so utilized because of its depth, and because other, shallower USDWs are available for drinking water.

Please let me know if you need any other information. If you have any questions about this application, you can call me at (406) 656-0040.

Sincerely,

*George Hudak*

George Hudak  
UIC Director  
Board of Oil and Gas Conservation

enclosure

143-2025

DIVISION OFFICE  
1625 ELEVENTH AVENUE  
PO BOX 201601  
HELENA, MONTANA 59620-1601  
(406) 444-6675

TECHNICAL AND  
SOUTHERN FIELD OFFICE  
2535 ST. JOHNS AVENUE  
BILLINGS, MONTANA 59102-4693  
(406) 656-0040

NORTHERN FIELD OFFICE  
201 MAIN STREET  
PO BOX 690  
SHELBY, MONTANA 59474-0690  
(406) 434-2422

## AQUIFER EXEMPTION APPLICATION GUIDANCE AND CHECK-LIST

(Please refer to 40 CFR 144.7 and 146.04 and EPA UIC Guidance 34 for requirements)

### Introduction:

An aquifer exemption is required if the proposed injection zone contains water that is less than 10,000 ppm of total dissolved solids (TDS) and, therefore, defined as an Underground Source of Drinking Water (USDW). Aquifer exemption application requirements originate with the United States Environmental Protection Agency (EPA) and are included by reference in the oil and gas rules and regulations of the Montana Board of Oil and Gas Conservation (MBOGC).

This guidance itemizes all the information required by the EPA for an application to be considered complete. Operators must submit the necessary data and narrative descriptions to the MBOGC as a separate attachment to the application for injection permit. This guidance may be used to determine if all necessary information has been provided. The MBOGC will review the application for aquifer exemption for completeness and then forward it to EPA Region VIII for their approval.

**Parts 1 through 4 and Part A, along with one of Parts B through F must be satisfied for the aquifer exemption to be granted.**

### Defining the Area to be Exempted:

The size of the area to be included in the aquifer exemption will be determined by the applicant. Every aquifer exemption must have a clearly defined area shown on an attached map. **The map must include all oil, gas, or plugged and abandoned wells within the proposed exempted area. The map must also include all public and private water wells, wellhead protection areas, and the location of all relevant water samples within the exempted area and at least 1/4 mile beyond the area.**

- The exempted area surrounding an enhanced oil recovery (EOR) area permit is usually defined as the area of the project or unit. The exempted area for a single EOR well is discretionary but may be the same as the Area of Review for the well (1/4 mile radius).
- The exempted area for a disposal (SWD) well may be as small as the Area of Review (1/4 mile radius), or some larger area selected by the applicant. The total injected volume over the life of the well will be limited to the pore volume within the exempted area.

### Descriptive data: (Applicants must submit all four of the following items)

- 1) Plat map showing boundaries of the exempted aquifer. The Environmental Protection Agency (EPA), in UIC Guidance 34, defined the minimum data set needed for aquifer exemptions; these will include at least all oil and gas bore holes within the area, all public and private water wells within the area and at least 1/4 mile beyond the boundary, any existing wellhead protection areas, and the locations of all relevant water samples.

Comments See map in Aquifer Exemption application,  
along with item #1.

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- 2) Narrative description of the **proposed** exempted aquifer listing formation name, approximate depth or elevation, confining zones, as well as the geological definition of the exempted area. Include adequate wire-line logs to demonstrate vertical confinement from sources of drinking water.

Comments See #2 in application.

- 3) Thickness, area, and average porosity of the reservoir to be exempted. If the **proposed** UIC well **within the exempted area** is an **SWD** well, calculate the volume of connate water that will be displaced by the injectate using the following formula (this pore volume figure is made part of the MBOGC permit for the included **SWD** well. For example, if the pore volume calculation shows the exempted aquifer to contain 5.0 million barrels within the exempted area, the UIC permit will terminate when the cumulative injected volume reaches 5.0 million barrels of salt water.):

$$\text{Pore Volume (in barrels)} = (p \times r^2 \times h \times f) / 5.63$$

Where:  $r$  = radius of the exempted area, in feet (usually 1320').

$h$  = average thickness, in feet, of the proposed exempted aquifer.

$f$  = average porosity, in decimal, of the proposed exempted aquifer.

Note: if the area to be exempted is something other than a circle, the operator must substitute an area value, in square feet, into the formula.

Comments Using 20' of 18% and 80' of 22%  
= 20,600,000 bbl.

- 4) Water quality analyses of the aquifer to be exempted (include at least Sodium, Chloride, and Total Dissolved Solids). How was water quality determined? (if samples were taken, describe the sampling method, sample location, number of samples, sample volume, sample containers, and sample handling)?

Comments The Dakota was sampled in this well (analysis  
included in application).  
TDS content is 7,188 mg/l.

14 3-2025

# ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

Williston, North Dakota 58802-0972

P.O. Box 972

Phone: (701) 572-7355

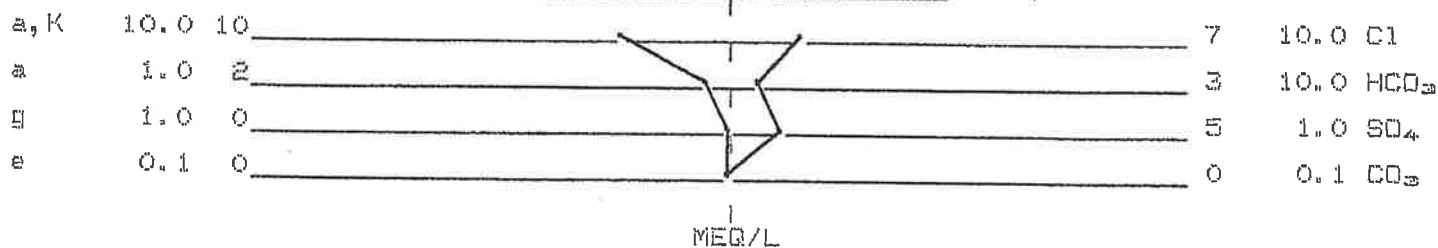
## WATER ANALYSIS REPORT

SAMPLE NUMBER W-06-2682 DATE OF ANALYSIS 6-12-06  
COMPANY Continental Resources, Inc.  
CITY Sidney STATE MT  
WELL NAME AND/OR NUMBER Johnson #1-33 S.W.D.  
DATE RECEIVED 5-31-06 DST NUMBER  
SAMPLE SOURCE Sample #2 - 580 bbls recovered  
LOCATION OF SEC. TWN. RANGE COUNTY  
FORMATION DEPTH  
DISTRIBUTION Russ Atkins - Sidney, MT

RESISTIVITY @ 77°F = 0.916 Ohm-Meters pH = 7.73  
 SPECIFIC GRAVITY @ 77°F = 1.000 H<sub>2</sub>S = Negative  
 TOTAL DISSOLVED SOLIDS (CALCULATED) = 7188 mg/L ( 7188 ppm)  
 SODIUM CHLORIDE (CALCULATED) = 4286 mg/L ( 4286 ppm)

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	1.7	34	CHLORIDE	73.3	2599
MAGNESIUM	0.4	4	CARBONATE	0.0	0
SODIUM	102.2	2350	BICARBONATE	31.4	1916
IRON	0.0	0.1	SULFATE	4.7	228
CHROMIUM	0.0	0.0	NITRATE	0.0	0
BARIUM	0.0	0.1			
POTASSIUM	1.5	57			

## WATER ANALYSIS PATTERN



REMARKS Date Sampled 5-30-06  
 Conductivity = 10,920 µmhos/cm

ANALYZED BY: C. Jungels

143-2025



**Justification:** (All applicants must satisfy A and at least one of B, C, D, E or F)

A) Document the fact that the aquifer does not currently serve as a source of drinking water within the exempted area.

Comments See attached documents identifying the water wells in 25N, 55E, sec 33 & 34, and 24N, 55E, sec 1 & 2. There are 4 water wells, with the deepest being 300 ft.  
And it cannot serve as a future source of drinking water because:

B) The aquifer is capable of producing hydrocarbons or minerals.

- 1) List the well or wells that have produced, tested, or showed hydrocarbons or minerals from the proposed aquifer and include the necessary documentation.
- 2) If the proposed UIC well within the exempted area is a SWD well, compare the costs to install a drinking water well from the proposed exempted aquifer (total of the cost to drill and complete the well plus the cost of treating the water to MCLs and aesthetic standards) versus the costs to develop existing alternative sources.

Comments Ignore item B in application.

C) The aquifer is at such a depth and in such a location that producing drinking water is economically unfeasible.

- 1) List the distances from the boundary of the exempted area to nearby potential water users.
- 2) List current and alternative water supply sources with depths and water qualities.
- 3) Compare the costs of a water well (including treatment facilities) in the proposed exempted aquifer to the cost of developing the alternative sources.

Comments See item (C) in application

D) The aquifer is so contaminated that treatment is economically unfeasible.

- 1) List the contamination type and concentration; include how determined.
- 2) Compare the cost to treat the contamination versus the cost to develop alternative sources of drinking water.

Comments \_\_\_\_\_

E) The aquifer is located in an area of Class III mining that is subject to subsidence and collapse. List operators, type of mining, and years of operation.

Comments \_\_\_\_\_

F) The ~~Total Dissolved Solids (TDS)~~ of the aquifer is between 3000 ppm and 10,000 ppm and is not reasonably expected to supply a public drinking water system.

- 1) ~~List the current and alternative sources of drinking water and the adequacy of these sources for present needs.~~
- 2) Discuss future population trends and future water needs in the area near the proposed exempted aquifer.

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Johnson 1-33 SWD  
Aquifer Exemption Application

**Table of Contents**

1. Responses to "Aquifer Exemption Checklist"
2. Schematic of wells within ½ mile of the Johnson 1-33SWD
- ~~3.~~ Copy of request for publication to Sidney Herald, and Independent Record
4. Water analysis
5. Well Log Report
- ~~6.~~ Scout ticket and Production Data for (LandTech, Corp) Dore Doris 201 SWD
7. List of water wells located in T24N R55E
8. List of water wells located in T25N R55E

Johnson 1-33 SWD  
Aquifer Exemption Application

The following are Continental Resources, Inc.'s responses to the "Aquifer Exemption Checklist" that was provided to us.

1. Wells in the Area of Review (1/2 Mile Radius)

Oil and Gas Wells in Area of Review

Well Name: Kemp 1-34  
API Number: 250832173600000  
Operator: Slawson, Donald C  
QTR QTR QTR Section/Township/Range: SW NW SW Sect 34 T25N R55E  
County: Richland, Montana

Well Name: Fink 42X-12  
API Number: 250832217200000  
Operator: Headington Oil Co.  
QTR QTR QTR Section/Township/Range: N2 SE SE Sect 12 T24N R55E  
County: Richland, Montana

Well Name: MCVAY 2-34  
API Number: 25083217600100  
Operator: Chaparral Energy, LLC  
QTR QTR QTR Section/Township/Range: SE NE NW Sect 34 T25N R55E  
County: Richland, Montana

Well Name: Boles 1-33  
API Number: 2508322237  
Operator: Continental Resources, Inc  
QTR QTR QTR Section/Township/Range: SE SW SW Sect 33 T25N R55E  
County: Richland, Montana

Water Wells in the Area of Review  
See attached list of water wells.

Johnson 1-33 SWD  
Aquifer Exemption Application

2. Dakota Description

From the North Dakota Stratigraphic Column of the Williston Basin:  
The Dakota (Inyan Kara) is a non-marine and marine fine to coarse quartzose sandstone that is light gray in color with occasional lenses of gray shale.

Johnson 1-33 SWD Open-Hole Electric Logs:

In the Johnson 1-33 SWD, the top of the Dakota silt is at 5,006 feet, measured depth. The main clean sand lens top is at 5,098 feet and the base is at 5,180 feet. Within the main clean sand, there is approximately 78 feet of clean porous sand averaging 20+% cross-plot porosity (as read from a neutron/density open hole log run on a limestone matrix).

3. This topic will be answered by George Hudak, with the Montana Board of Oil and Gas

4. See attached water quality analysis.

A. The document from the Groundwater Information Center (GWIC) of the Montana Bureau of Mines and Geology, provided in response to item #1 of the Aquifer Exemption worksheet, shows that there are no water wells anywhere in sections 34 and 35 of T25N R55E. A further search found fresh water wells located in sections 1 & 2 of T24N R55E. One of the wells located in section 1 of T24N R55E are owned by Donald McVay, at a depth of 34 feet and the other well is owned by Ron Fink, at a depth of 42 feet, both of these wells are used for domestic purposes. In section 2 there is one fresh water well that is owned by Bert Bidegaray, which also uses this well for domestic purposes. These sections totally encompass the ½ mile radius area-of-review. Continental Resources, Inc drilled a well located at section 33 T25N R55E, at the time of the search this well was in the process of being reported to the state. Attached is a copy of the "Montana Well Log Report" for this well. 200 ft.

B. ~~(1) The Dakota formation produces oil and gas in the Girard Field, located in Richland County, Montana. There also is an active Dakota formation disposal well in Richland County. It is Dore Doris SWD 201 operated by Landtech in section 9 T24N R58E approximately 10 miles to the east and 2 miles to the south of the Johnson 1-33 location. Attached is a copy of the scout ticket and disposal data for it.~~ Not true

(2) Along with the freshwater well that is near the Johnson 1-33 SWD, there are several wells that are within the Township. The enclosed printout from the GWIC shows the deepest water well for domestic use was drilled to a total depth of 342 ft.

14 3 - 2025

Johnson 1-33 SWD

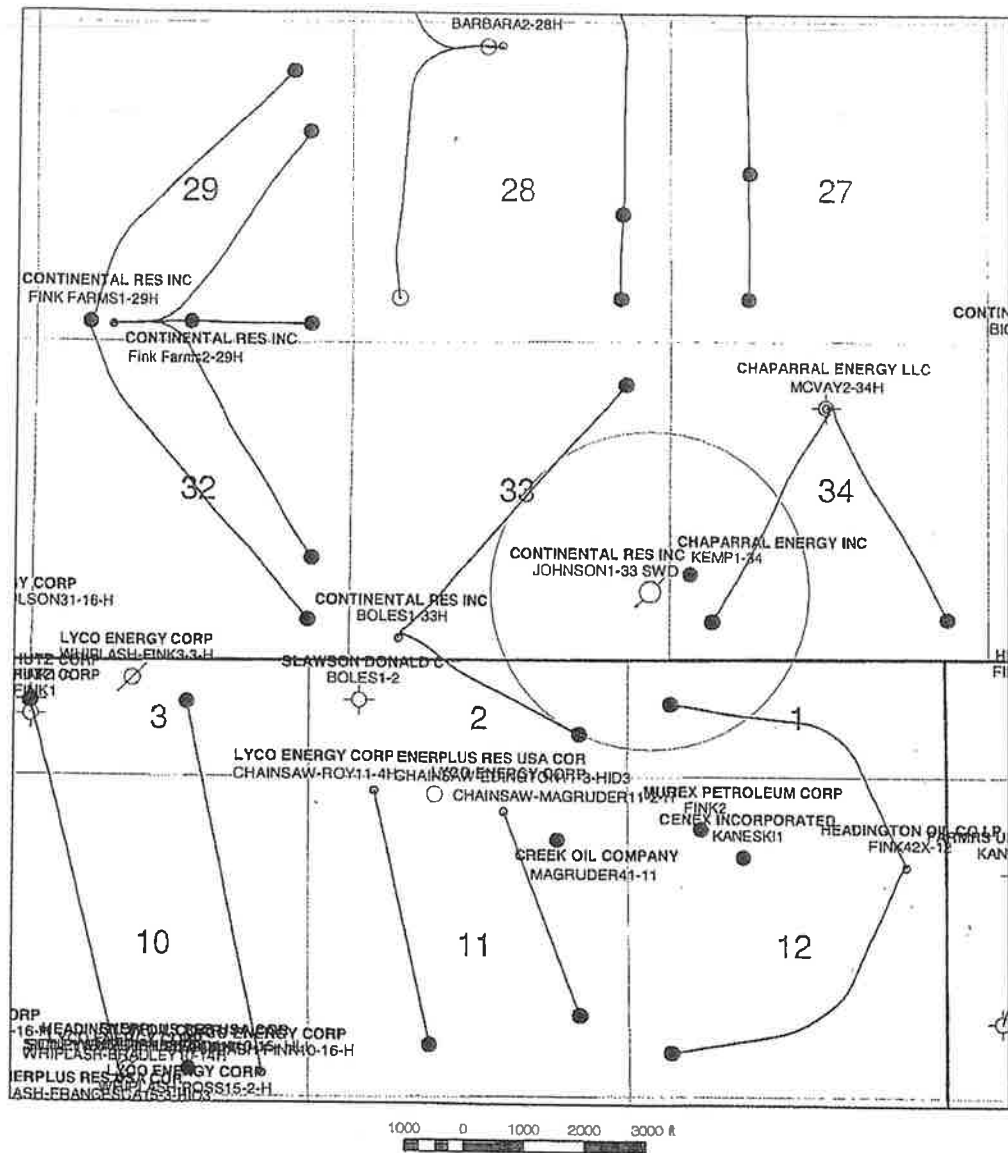
Aquifer Exemption Application

(C)

Drilling a water well to 342ft would be significantly less expensive than drilling a well to the Dakota at 5180ft. In addition to the drilling costs the shallower wells could likely be constructed with a single string of casing, while a Dakota well would require multiple strings of casing. Also, the deeper well would require a much more powerful and expensive drilling rig, and a significantly more powerful pump to bring the water to the surface.

At a drilling and completion cost of \$25-30 per foot a 342 ft deep water well would cost approximately \$8,550-10,260 to drill and complete. A well to the Dakota formation at 5,180 ft would likely cost in excess of \$500,000 to drill and complete.

14 3 - 2 0 2 5



CONTINENTAL RESOURCES, INC		
JOHNSON 1-33 SWD AREA SECTION 33 25N-55E RICHLAND Co., MT		
Author: bph		Date: May 4, 2007
	Scale: 1" = 3,000'	

143-2025

## MONTANA WELL LOG REPORT

Form No. 603 R2-98

Well ID#

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. This form is to be completed by the driller and filed with DNRC within 60 days of completion of the work. Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. Additional information may be recorded in the REMARKS section.

## 1. WELL OWNER

Name Continental ResourcesMailing address Box 986  
Sidney, MT 59200

## 2. WELL LOCATION

List 1/4 from smallest to largest

Section 33  
Township 25 N Range 55 E County Richmond

## 3. PROPOSED USE:

☐ Domestic ☐ Stock ☐ Irrigation  
☐ Public water supply ☐ Monitoring Well ☒ Other:

## 4. TYPE OF WORK:

☒ New well ☐ Deepen existing well ☐ Abandon existing well  
Method: ☐ Cable ☒ Rotary ☐ Other:

## 5. WELL CONSTRUCTION DETAILS:

## Borehole:

Dia. 8 3/4 in. from 0 ft. to 290 ft.  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

## Casing:

Steel: Wall thickness .225 ☒ Threaded ☐ Welded  
Dia. 5 in. from 12 ft. to 20 ft.  
Dia. \_\_\_\_\_ in. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Plastic: Pressure Rating 250 ☐ Threaded ☒ Welded  
Dia. 5 in. from 20 ft. to 280 ft.

## Perforations/Slotted Pipe:

Type of perforator used \_\_\_\_\_  
Size of perforations/slots \_\_\_\_\_ in. by \_\_\_\_\_ in.  
no. of perforations/slots from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
no. of perforations/slots from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Screens: ☒ Yes ☐ No

Material Stainless Steel  
Dia. 5 Slot size 20 from 280 ft. to 290 ft.  
Dia. \_\_\_\_\_ Slot size \_\_\_\_\_ from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

Gravel Packed: ☒ Yes ☐ No

Size of gravel 12-20 Silica sand  
Gravel placed from 280 ft. to 290 ft.

Packer: ☐ Yes ☒ No

Type \_\_\_\_\_ Depth(s) \_\_\_\_\_

Grout: Material used Ben toke chips  
Depth from 0 ft. to 280 ft. OR ☒ Continuous feed

## 6. WELL TEST DATA:

A well test is required for all wells. (See details on well log report cover.)

☐ Static water level 62.6 ft. below top of casing or  
☐ Closed-in artesian pressure \_\_\_\_\_ psi.

How was test flow measured:

bucket/stopwatch, weir, flume, flowmeter, etc.

Yellowstone Controlled Groundwater Area - Water Temperature \_\_\_\_\_ °F

☐ AQUIFER TEST DATA FORM ATTACHED

## Test - 1-hour minimum

Drawdown is the amount water level is lowered below static level.

All depth measurements shall be from the top of the well casing.

Time of recovery is hours/minutes since pumping stopped.

## Air test:

\_\_\_\_\_ gpm with drill stem set at \_\_\_\_\_ ft. for \_\_\_\_\_ hours

Time of recovery \_\_\_\_\_ hrs/min. Recovery water level \_\_\_\_\_ ft.

## OR Baller test:

\_\_\_\_\_ gpm with \_\_\_\_\_ ft. of drawdown after \_\_\_\_\_ hours

Time of recovery \_\_\_\_\_ hrs/min. Recovery water level \_\_\_\_\_ ft.

## OR Pump test:

Depth pump set for test 280 ft.12 gpm pump rate with 0.44 ft. drawdown after 2 hrs pumping

Time of recovery \_\_\_\_\_ hrs/min. Recovery water level \_\_\_\_\_ ft.

## OR Flowing Artesian:

\_\_\_\_\_ gpm for \_\_\_\_\_ hours

Flow controlled by \_\_\_\_\_

\*During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.

## 7. WELL LOG:

Depth, Feet		Material:
From	To	color/rock and type/descriptor. (example: blue/shale/bed, or brown/gravel/water, or brown/sand/heaving)
0	1	Top Soil - Fill
1	26	Clay yellow - sandy
26	38	Clay - olive gray
38	40	Gravel & sand medium
40	85	Clay stone - lgt. gray
85	95	Lignite
95	98	Carbonaceous shale
98	102	Lignite
102	149	Clay stone - greenish gray
149	151	Lignite
151	165	Clay stone - lgt. gray - silty
165	170	Lignite
170	235	Clay stone - lgt. gray
235	238	Lignite
238	281	Clay stone - lgt. gray
281	290	Lignite
290	300	Clay stone - lgt. gray

☐ ADDITIONAL SHEETS ATTACHED8. DATE WELL COMPLETED: 5-15-07

## 9. REMARKS:

## 10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) Agri IndustriesAddress Box 1160, Helena, MT 59602Signature [Signature]Date 5-15-07 License no. 537 274





Ground-Water Information Center  
Montana Bureau of Mines and Geology  
Montana Tech of The University of Montana  
1300 West Park Street - Main Hall 314  
Butte Montana 59701-8997

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## GWIC Data > Township: 25N Range: 55E Sec: 33, 34

The following data were returned from the GWIC databases for the area you requested. For a more detailed description of the data view the [GWIC Metadata report](#). If you notice data entry errors or have questions please let us know by clicking [here](#) to leave us a message. If you wish to view a one page report for a particular site, click the hyperlinked **Gwic Id** for that well. Scroll to the right of your screen to view all the data. All data displayed on the screen may not show up when printed.

Retrieval Statistics*			
Field	Max	Min	Avg
Total Depth (ft)	300.00	300.00	300.00
Static Water Level (ft)	67.60	67.60	67.60
Yield (gpm)	12.00	12.00	12.00

\* These statistics do not take any geographic, topographic, or geologic factors into consideration. Negative swl values are reported for water levels that are above land surface.

Did you know about...

Other data options

Thanks, Just take me back to the menu.

Gwic Id	PDF	DNRC WR	Site Name	Twn	Rng	Sec	Q Sec	Ver?	Type	Td	Swl	Pwl	Rwl	Yield	Test	Date	Use
<a href="#">236187</a>			CONTINENTAL RESOURCES	25N	55E	33		No	WELL	300.00	67.60			12.00	PUMP	5/15/2007	OTHER

End of Report.  
1 record(s) listed.

<sup>1</sup>This report is restricted to site types of WELL, BOREHOLE, SPRING, COAL BED METHANE WELL, PETWELL.

### Explanation of Columns:

**Gwic Id** = Key field for the GWIC database. Links to one page reports.  
**PDF** = Is a scanned version of the well log available in PDF format?

- = Yes, click on the icon to download the PDF file.
- = No, well was submitted electronically. No paper record exists.

**DNRC WR** = Water right number assigned to this site by Department of Natural Resources and Conservation.

**Site Name** = Current owner name assigned to GWIC record.

**Location** = Location of site in Montana township, range, section, and quarter-section coordinates.

**Ver?** = Has this location been verified by field staff?

**Type** = Type of site assigned to GWIC record.

**Td** = Total depth of well in feet below ground.

**Swl** = Static water level in feet above/below ground - Negative values are reported for water levels that are above land surface.

**Pwl** = Pumping water level in feet below ground.

**Rwl** = Recovery water level in feet below ground.

**Yield** = Yield in gallons per minute.

**Test** = Type of performance test reported.

**Date** = Completion date of well/borehole.

**Use** = Reported use of water.

The preceding materials represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user at the time and date of the retrieval. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. There may be wells in the request area that are not recorded at the Information Center.

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143-2025



Ground-Water Information Center  
 Montana Bureau of Mines and Geology  
 Montana Tech of The University of Montana  
 1300 West Park Street - Main Hall 314  
 Butte Montana 59701-8997

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## GWIC Data > Township: 24N Range: 55E Sec: 2, 1

The following data were returned from the GWIC databases for the area you requested. For a more detailed description of the data view the [GWIC Metadata report](#). If you notice data entry errors or have questions please let us know by clicking [here](#) to leave us a message. If you wish to view a one page report for a particular site, click the hyperlinked **Gwic Id** for that well. Scroll to the right of your screen to view all the data. All data displayed on the screen may not show up when printed.

### Retrieval Statistics\*

Field	Max	Min	Avg
Total Depth (ft)	200.00	34.00	92.00
Static Water Level (ft)	55.00	14.00	28.33
Yield (gpm)	28.00	15.00	19.33

\* These statistics do not take any geographic, topographic, or geologic factors into consideration. Negative swl values are reported for water levels that are above land surface.

### Did you know about...

#### Other data options

GWIC has 1 field visit(s) for this request area.  
 GWIC has 1 water level(s) for this request area.

Thanks, Just take me back to the menu.

Gwic Id	PDF	DNRC WR	Site Name	Tw	Rng	Sec	Q Sec	Ver?	Type	Td	Swl	Pwl	Rwl	Yield	Test	Date	Use
<a href="#">37217</a>		C020354-00	MCVAY DONALD	24N	55E	1	CAAA	Yes	WELL	34.00	14.00	25.00		15.00	BAILER	6/14/1978	DOMESTIC
<a href="#">163340</a>		101099	FINK RON	24N	55E	1	DBB	No	WELL	200.00	55.00	120.00		15.00	AIR	4/14/1997	DOMESTIC
<a href="#">37218</a>			BIDEGARAY BERT	24N	55E	2		No	WELL	42.00	16.00	24.00		28.00	BAILER	6/15/1976	DOMESTIC

End of Report.  
 3 record(s) listed.

<sup>1</sup>This report is restricted to site types of **WELL, BOREHOLE, SPRING, COAL BED METHANE WELL, PETWELL.**

### Explanation of Columns:

**Gwic Id** = Key field for the GWIC database. Links to one page reports.  
**PDF** = Is a scanned version of the well log available in PDF format?

- = Yes, click on the icon to download the PDF file.
- = No, well was submitted electronically. No paper record exists.

**DNRC WR** = Water right number assigned to this site by Department of Natural Resources and Conservation.

**Site Name** = Current owner name assigned to GWIC record.

**Location** = Location of site in Montana township, range, section, and quarter-section coordinates.

**Ver?** = Has this location been verified by field staff?

**Type** = Type of site assigned to GWIC record.

**Td** = Total depth of well in feet below ground.

**Swl** = Static water level in feet above/below ground - Negative values are reported for water levels that are above land surface.

**Pwl** = Pumping water level in feet below ground.

**Rwl** = Recovery water level in feet below ground.

**Yield** = Yield in gallons per minute.

**Test** = Type of performance test reported.

**Date** = Completion date of well/borehole.

**Use** = Reported use of water.

The preceding materials represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user at the time and date of the retrieval. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. There may be wells in the request area that are not recorded at the Information Center.

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143-2025

# Schlumberger

Company: **CONTINENTAL RESOURCES, INC.**

Well: **JOHNSON 1-33 SWD**

Field: **WILDCAT**

County: **RICHLAND**

State: **MONTANA**

**PLATFORM EXPRESS  
COMPENSATED NEUTRON &  
THREE DETECTOR DENSITY**

LOCATION SE SE 1120' FSL & 330' FEL Permanent Datum: <u>GROUND LEVEL</u> Log Measured From: <u>KELLY BUSHING</u> Drilling Measured From: <u>KELLY BUSHING</u> API Serial No. <u>25-083-22449</u> Section <u>33</u> Township <u>25N</u> Range <u>55E</u>	Elev.: K.B. 2247 ft G.L. 2233 ft D.F. 2246 ft
	Elev.: 2233 ft
	14.0 ft above Perm. Datum

Logging Date		8-Mar-2006			
Run Number		ONE			
Depth Driller		5707 ft			
Schlumberger Depth		5706 ft			
Bottom Log Interval		5703 ft			
Top Log Interval		4566 ft			
Casing Driller Size @ Depth		9.625 in	@	1456 ft	@
Casing Schlumberger		1456 ft			
Bit Size		8.750 in			
Type Fluid In Hole		SALT-SATURATED MUD			
Density	Viscosity	10.2 lbm/gal	10.2 s		
Fluid Loss	PH	7 cm3	7.8		
Source Of Sample		FLOWLINE			
RM @ Measured Temperature		0.065 ohm.m	@	55 degF	@
RMF @ Measured Temperature		0.054 ohm.m	@	59 degF	@
RMC @ Measured Temperature		0.098 ohm.m	@	55 degF	@
Source RMF	RMC	MEASURED	CALCULATED		
RM @ MRT	RMF @ MRT	0.026 @ 150	0.022	@ 150	@
Maximum Recorded Temperatures		150 degF			
Circulation Stopped		Time	8-Mar-2006	13:30	
Logger On Bottom		Time	8-Mar-2006	20:50	
Jnit Number		Location	2026	WILLISTON, ND	
Recorded By		L. GONZALEZ, R. MILLER			
Witnessed By		K MISCHKE			

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MONTANA BOARD OF OIL & GAS CONS. BILLINGS

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MONTANA BOARD OF OIL  
& GAS CONS. BILLINGS

14 3 - 2 0 2 5



## Input DLIS Files

DEFAULT TLD\_MCFL\_CNL\_012LUP FN:11 PRODUCER 08-Mar-2006 21:11 5720.0 FT 54.5 FT

## Output DLIS Files

DEFAULT TLD\_MCFL\_CNL\_022PUP FN:17 PRODUCER 08-Mar-2006 23:44

## OP System Version: 14C0-302

MCM

HILTB-FTB

14C0-302

DTC-H

14C0-302

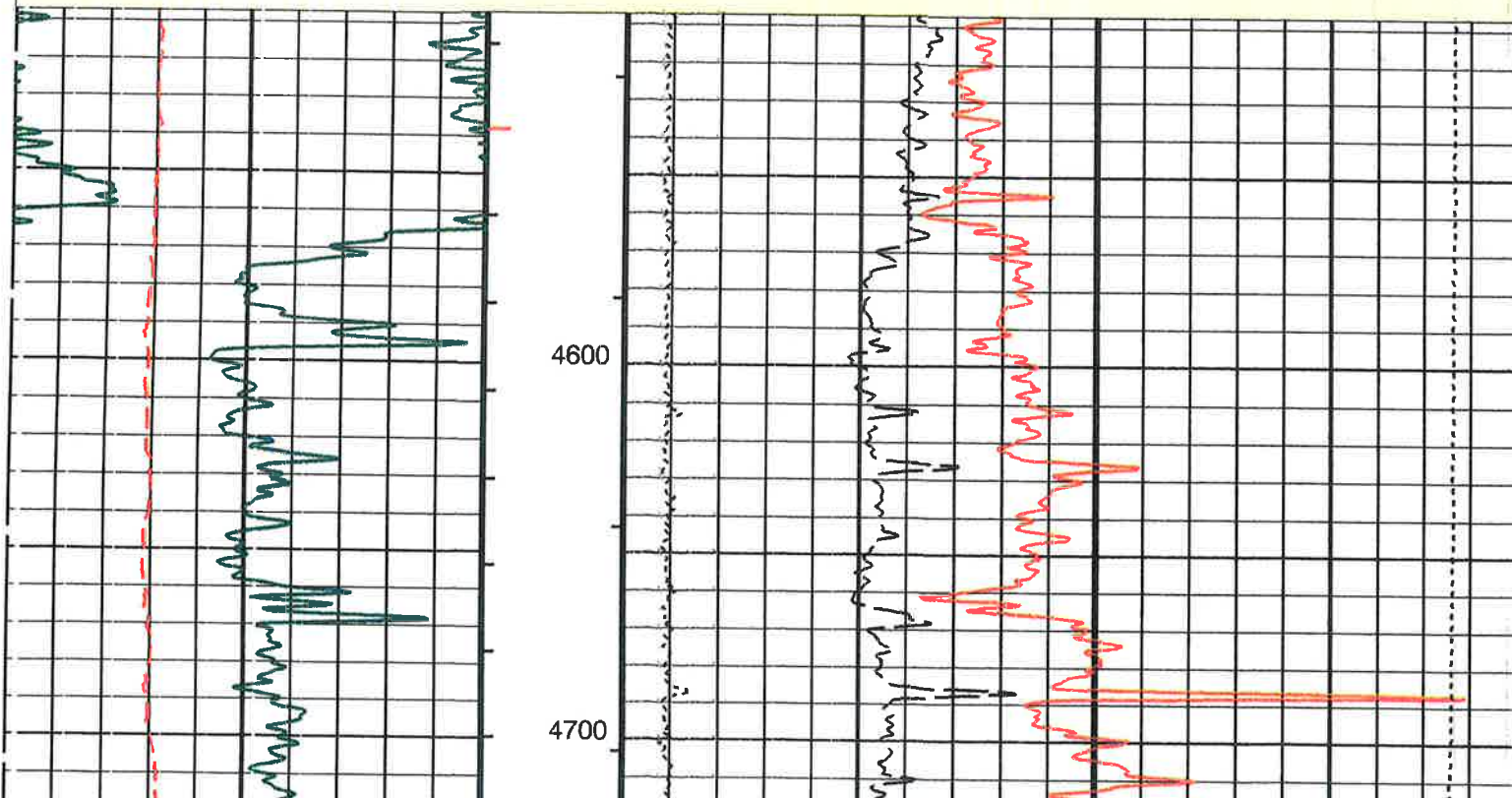
## PIP SUMMARY

- └ Integrated Hole Volume Minor Pip Every 10 F3
- └ Integrated Hole Volume Major Pip Every 100 F3
- └ Integrated Cement Volume Minor Pip Every 10 F3
- └ Integrated Cement Volume Major Pip Every 100 F3

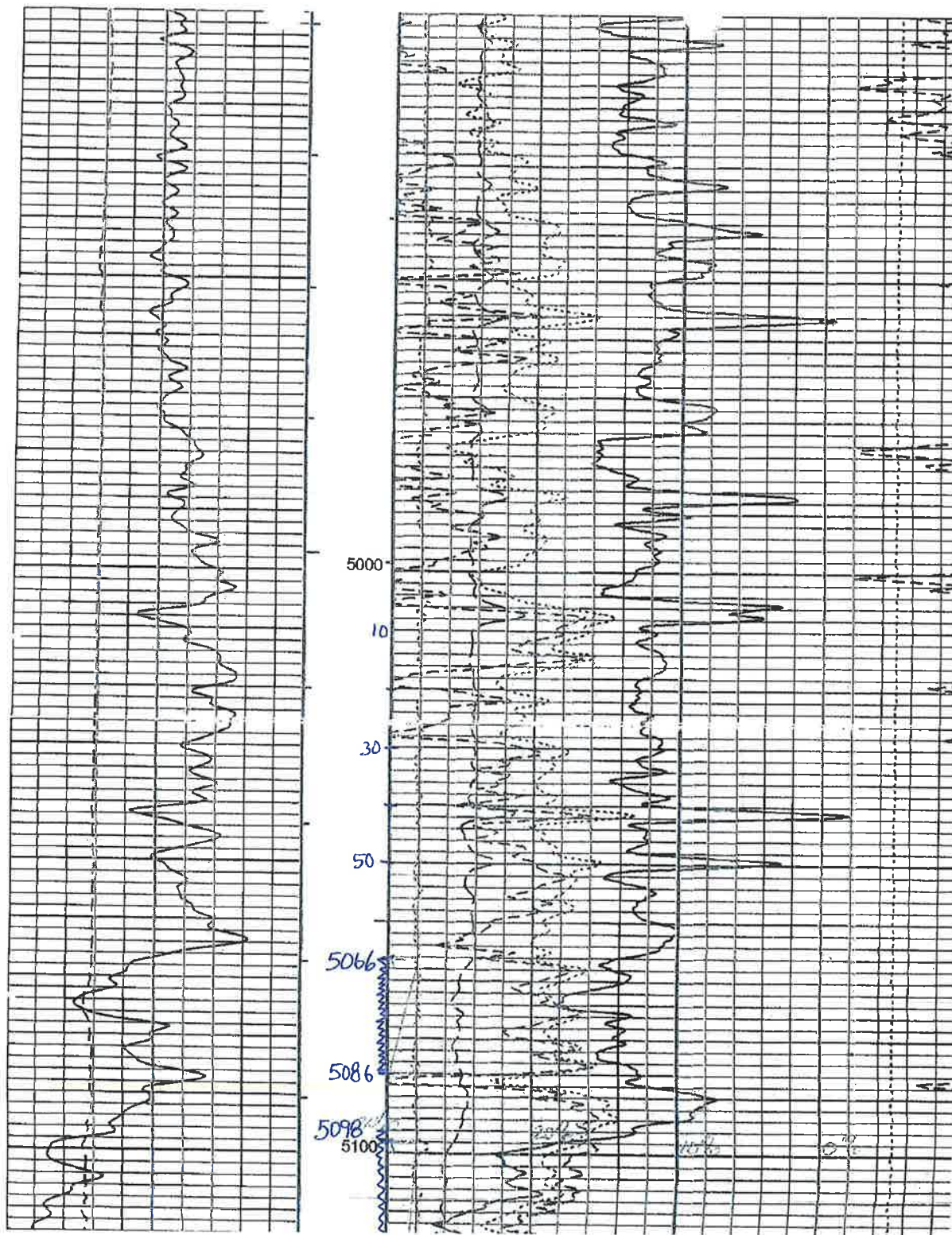
Time Mark Every 60 S

	Tool/Tot. Drag From D3T to STIA	2	Std. Res. Formation Density (RHOZ) (G/C3)	
HILT Caliper (HCAL) (IN)	Cable Drag From STIA to STIT	0	Std. Res. Formation Pe (PEFZ) (---)	
Gamma Ray (GR) (GAPI)	Stuck Stretch (STIT) (F)	0	Density Correction (HDRA) (G/C3)	Tension (TENS) (LBF)
0	200	0.05	0.45	10000

## MAIN PASS: DENSITY STND RES 2 INCH SCALE

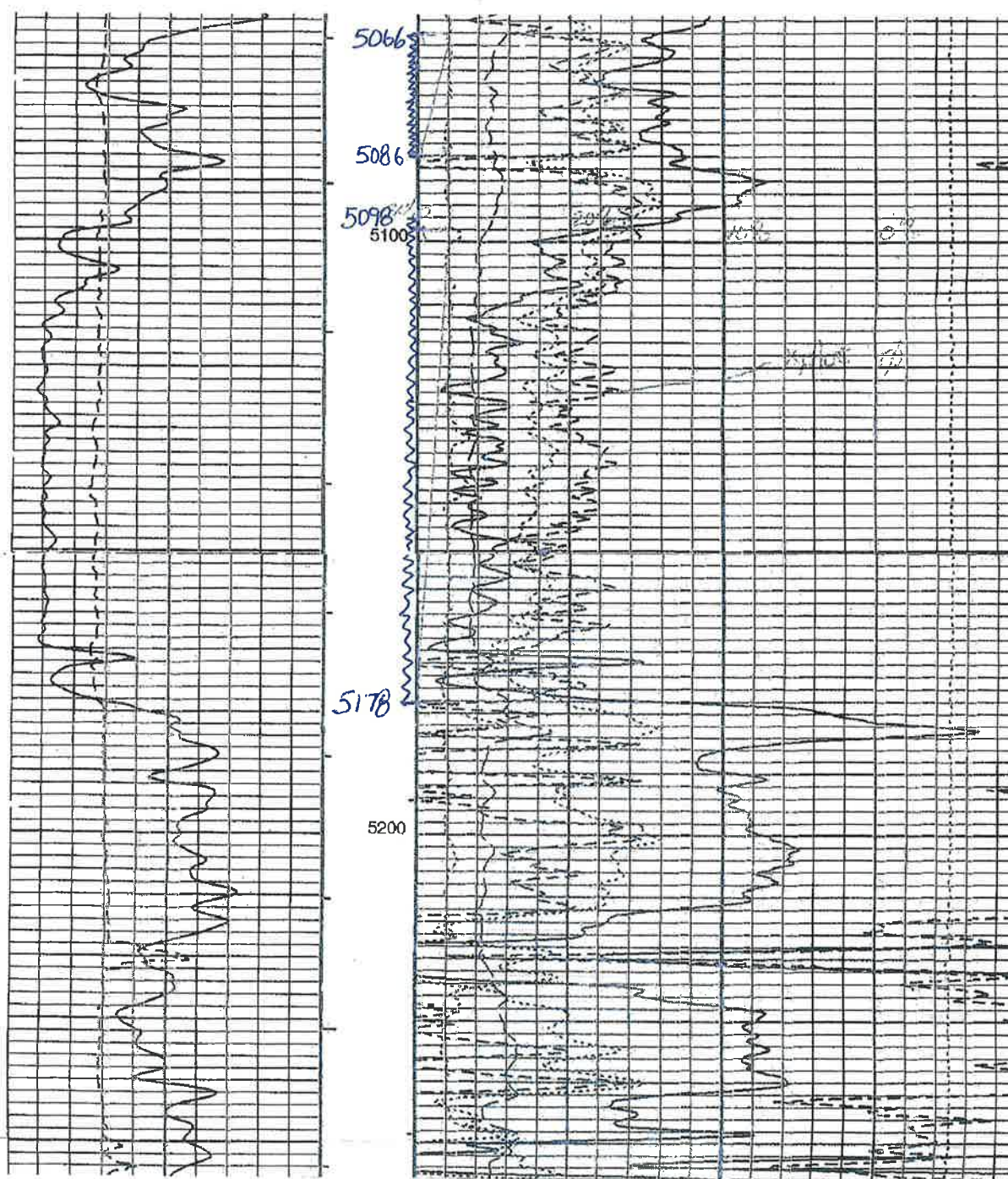


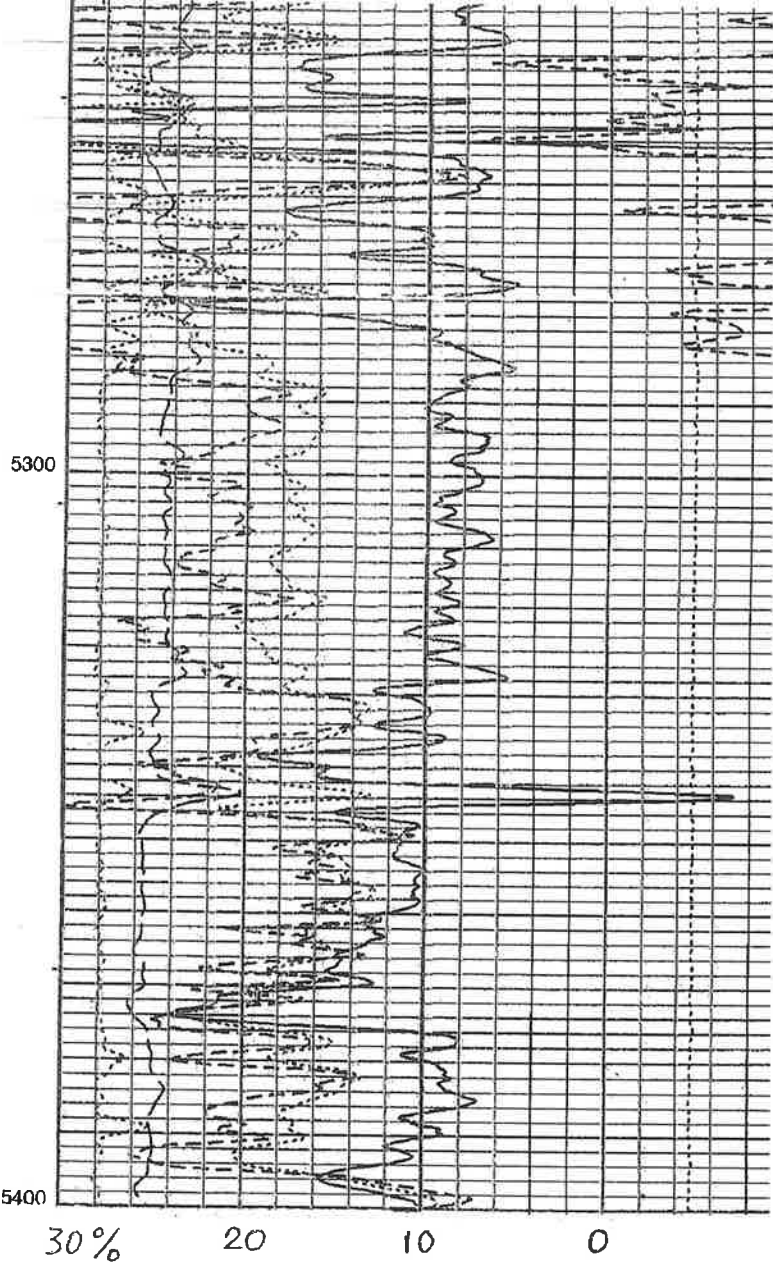
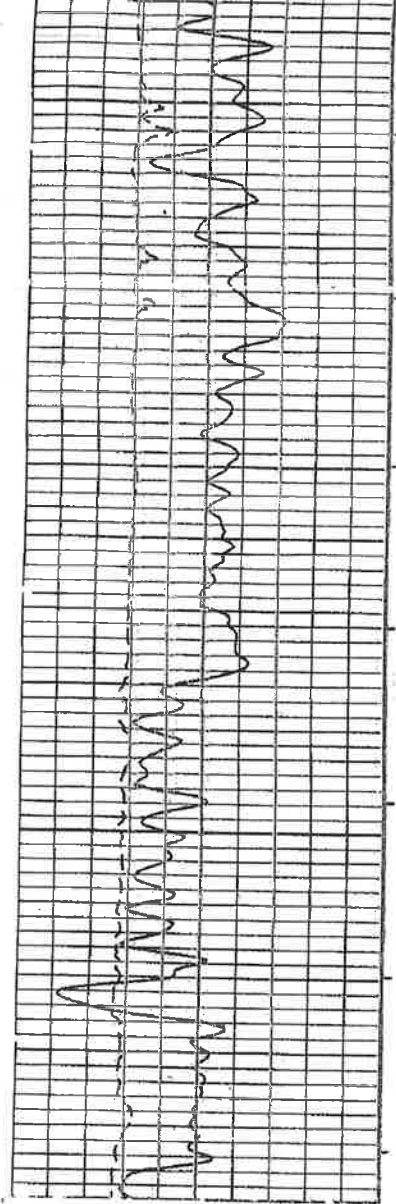
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