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January 7, 2026

Montana Board of Oil and Gas Conservation
2535 St. Johns Avenue
Billings, MT 59102

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Attn: Mr. John Gizicki
UIC Program Manager

RE: Application for UIC Permit and Authorization to Drill a Class II Injection Well

Location of proposed Disposal Well & Facility: Thiel 11X-12

Location: NW 1/4 NW 1/4, Section 12, Township 22N, Range 59E. P.M.M.
Richland County, Montana

Dear Mr. Gizicki,

MorningStar Operating, LLC (MorningStar) respectfully requests approval of an Underground Injection Control (UIC) permit for the referenced location and as described in the attached application. MorningStar intends to submit a Form 4 Sundry Notice request to convert the existing well to a salt water disposal well.

MorningStar has provided notice to the appropriate parties within ¼ mile area of review of the proposed well location and requests that the application be placed on the docket for the MBOGC hearing scheduled February 12, 2026. A public legal notice has been published in the Helena Independent Record and the Sidney Herald, publication dates January 6, 2026 and January 3, 2026, respectively, and evidence and proof of publication is included in the UIC Application Exhibits.

If you have any questions concerning the enclosed application, please contact myself at (435) 789-1017 or to Erin Donavan with MorningStar Operating, LLC at (817) 334-7871.

Sincerely,

Amy Doebele
Authorized Agent for MorningStar Operating LLC
UELS, LLC

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Underground Injection Control Application

Thiel 11X-12

Section 12 of T22N-R59E

Richland County, Montana

Board of Oil and Gas Conservation

Of the State of Montana

Docket No: TBD

February 12, 2026



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Underground Injection Control (UIC) Permit Application

Thiel 11X-12 Injection

The following report and justification are submitted in support of the application by MorningStar Operating, LLC to permit the conversion of the Thiel 11X-12, which is a shut in Bakken producer, for the purpose of water injection into the Dakota/Lakota, as required by Rule 36.22.1403 of the Rules and Regulations of the Montana Board of Oil and Gas Conservation.

1 (a) Location of Injection Well:

The Thiel 11X-12 well is herein proposed for conversion to a water injection well. This well was originally drilled horizontally to the Devonian Bakken formation. The Bakken was successfully produced from 2011 until economic limits were reached in 2025. Surface casing was run to 1,651' MD and cemented back to surface. It was cased with a 7" intermediate string to 11,240' MD, landed at the base of the curve of the lateral, then a 4.5" uncemented production string was run from 9,758' MD to TD (see Exhibit 6). The well is currently still active. There are no known casing integrity issues in the 7" intermediate casing. Exhibit 1 shows the surface location and a circle of a quarter (1/4) mile or 1,320 feet radius representing the area of review (AOR).

Well Name	Footage Calls	Section Calls
Thiel 11X-12	1104' FNL, 491' FWL	NWNW of Sec 12 of T22N R59E

1 (b) Location and Mechanical Condition of Wells within a Quarter Mile (1,320 feet) Area of Review (AOR) which Penetrate Injection Zone:

There is one producing well located within the 1/4 mile AOR for this well. The Thiel 2 11X-12 (NWNW of Sec 12 of T22N R59E), operated by MorningStar Operating, is located on the same pad as the proposed SWD conversion. The Thiel 2 11X-12 was drilled in May 2011 as a horizontal Bakken producer. The well has 7-inch casing and a CBL noting top of cement at 5200' MD. Prior to commencing any injection into the proposed conversion, cement will be squeezed in this well to adequately cover the proposed Dakota/Lakota disposal zone and a CBL run to confirm TOC.

Well Name	Operator	Distance to Proposed Conversion (ft)
Thiel 2 11X-12	MorningStar	150'

There are two producing wells with a lateral penetrating the AOR at around 8,210' SSTVD in the Middle Bakken, the Olson 43X-1 (SENESE of Sec 1 of T22N R59E) and the Patricia 41X-15 (NENENE of Sec 15 of T22N R59E), both operated by MorningStar Operating, whose surface holes are located 5,103 feet to the northeast and 7,389 feet to the southwest, respectively, from the nearest point of the proposed SWD.

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1 (c) Location of all pipelines which will be used to transport fluids to the well:

Produced water from Bakken MorningStar Operating wells will be delivered to the location by truck.

If pipeline installations could be justified economically, MorningStar may opt to install transfer lines to minimize truck traffic on both county and lease roads. If this occurs, the line would be flushed with freshwater first and pressure tested prior to use. Meters would be assigned to all associated sites to verify shipment and injection water volumes are aligned.

1 (d) Area Producing Formations, Freshwater Aquifers, and Water Well Information:

There is one well within the ¼ mile area producing from an oil and gas zone, the afore mentioned Thiel 2 11X-12, and no water wells.

Fresh water well data was obtained from the Ground Water Information Center (MBMG Data Center) website <https://mbmrgwic.mtech.edu/>. There are no freshwater wells which are produced within the AOR of the proposed injector or within ½ mile of the proposed injector. See Exhibit 1.

There is a very thin Glacial Till near the surface in this area, which normally does not produce much water.

There is an upper member of the Fort Union, the Tongue River, with water production normally less than 200 feet from the surface. There have been several shallow water wells drilled for stock water and domestic use that appear to be in this zone. There are not any of these wells in the ¼ mile AOR.

The Hell Creek and Fox Hills zones are sources of freshwater as well. The depth to the Fox Hills-Lower Hell Creek Aquifer is approximately 1200 feet at the Thiel 11X-12 per mapping work by Larry Smith entitled "Depth to the Fox Hills-Lower Hell Creek Aquifer, Lower Yellowstone River Area" published in MBMG's GWAA- Montana Ground-Water Assessment Atlas (1-B-03), 1998. There are not any of these wells in the ¼ mile AOR.

Any potential Underground Sources of Drinking Water (USDW) are protected from the proposed injection zone by surface casing set in the Thiel 11X-12 to 1651' MD and cemented to surface. An intermediate 7-inch casing was set at 11240' MD (at approximately 90°) and cemented with 1,120 sacks of cement. The CBL documents a TOC at 4840' MD. Tubing and an injection packer will result in further isolation of fresh USDW from produced water.

1 (e) Name and Geologic Description of Injection Zone:

DAKOTA AND LAKOTA SANDSTONE DESCRIPTION



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The Thiel 11X-12 will be completed for disposal into the Dakota and Lakota formations. The Dakota/Lakota in this well is comprised of fine to medium grained sandstone deposited in a channel environment as part of the Cretaceous system.

Formation	Lithology	Top (MD)	Base (MD)	Net pay (ft)	Pressure (PSI)	Porosity
Dakota	Sandstone	4989	5395	28	2250	20%
Lakota	Sandstone	5395	5451	36	2360	20%

Depth and net pay for each of the proposed injection zones are estimated from the Cement Bond Log with Gamma Ray ran December 5, 2010, on the Thiel 11X-12. The porosity is based on sonic and density log estimates from the following wellbores: Becker 8-4 (2.4 miles NW), Lien 2 (0.7 mile NE), and FLB of Spokane 1 (1.8 miles E). The porosity was derived from either a density curve calculated on a sandstone matrix, or a sonic log curve calculated using a consolidated sandstone matrix. Formation pressure was estimated using a water gradient of 0.435 psi/ft.

The upper confining formation for the proposed injection zone is the Cretaceous Skull Creek formation. It is comprised of clastic, shallow marine deposits composed of medium-dark gray shales, calcareous, micaceous, and glauconitic in part, interbedded with siltstones. The Skull Creek is 146 feet thick in this area.

The lower confining formation for the proposed injection zone is the Jurassic Morrison, Swift, and Rierdon formations. The aforementioned formations lie immediately below the Lakota and are primarily made up of transgressive-regressive, clastic, shallow marine deposits composed of dark gray-green shales, slightly calcareous, dark gray-green, waxy shales, and is commonly interbedded with glauconitic siltstones and sandstones with occasional carbonate packstones and grainstones. The lower confining interval is approximately 774 feet of impermeable rock facies.

The actual fracture gradients for these confining zones are unknown, but fracture gradients for the confining shale layers are known to be higher than those for the underlying sandstone injection zone.

Formation	Lithology	Top (ft)	Base (ft)	Thickness (ft)
Skull Creek	Shale	4843	4989	146
Mrsn/Swft/Rrdn	Shale	5451	6225	774

Considering the vertical distance to any USDW and the maximum feasible injection rate that could occur, the likelihood of a fracture extending from the proposed disposal zone to any USDW under any reasonable disposal conditions is considered low.

For proposed injection interval see Exhibit 2: Cross Section, Exhibit 3: Log of Injection Interval, and Exhibit 4: Water Analysis of Injection Intervals.



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1 (f) Additional Information on Producing Wells within the AOR:

The Theil 2 11X-12 is the only producing well with a surface hole located within the AOR. Current TOC is 5200' MD, below the requested injection interval. Prior to commencing injection, the wellbore will be worked over and cement will be squeezed under a CICR with the intention to circulate to surface. Then, CICR and cement underneath will be drilled out and pressure tested to adequately cover the entire disposal zone.

1 (g) Open Hole Logs:

Logs and geologic information for the Thiel 11X-12 well are currently on file with the MBOGC. A cement bond log currently exists for the Thiel 11X-12 with the top of cement at 4840' MD.

1 (h) Description of the Wellbore Construction:

The current configuration of the wellbore is as indicated on Exhibit 6. Intermediate 7" casing was run to 11240' MD and cemented. TOC was recorded as 4840' from a CBL ran 11/23/2010. A 4.5" liner with swellable packers for completion stage work was run to lateral TD with the liner top at 9758' MD. The top of the liner consists of a PBR, packer extension, centralizer and swellable packer.

MorningStar proposes to set a CICR @ 9740', squeeze the Bakken lateral with 90 sacks of cement, and leave 50' of cement on top of the CICR. Next, a 48 sack balanced cement plug will be pumped from ~7935-8185' to cover the top of the Charles. A CIBP with 50' of cement dumped on top will be set at ~5550' under the Dakota interval. The Dakota will be perforated, and a water sample will be swabbed back for reservoir analysis. The Dakota will be acidized, and with approval, injection will begin under a packer set at ~5036' with lined injection tubing to minimize equipment corrosion. Packer fluid will be circulated behind the injection string in the 4.5"x7" annulus to also protect from corrosion.

This interval will likely be treated with a 15% HCl stimulation. A water sample will be collected for reservoir analysis. The well is currently producing from the Bakken, awaiting permit approval for conversion to SWD.

See Exhibit 7 for the proposed wellbore diagram.

1 (i) Description of Injection Fluid:

The fluid to be injected will consist entirely of water produced from the Bakken formation in multiple offsetting MorningStar wells. The anticipated injection volumes will be in the range of 2000 to 4500 BWPD. Actual injection rates may vary. Volumes will be determined by the injection capacity tested during the Step-Rate test. Exhibit 8 is a representative analysis of Bakken formation water chemistry. No incompatibilities are expected.



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Surface injection pressures will not be allowed to exceed a maximum set by MBOGC. Using the EPA accepted fracture gradient of 0.733 psi/ft and the following equation, an estimated maximum injection pressure is as follows:

$$IP_{max} = (FG) * (D_{top}) - (SG) * (0.433) * (D_{top})$$

Where: IP_{max} = Maximum Surface Injection Pressure (psi)

FG = Assumed Fracture Gradient in Confining Zone = 0.733 psi/ft

SG = Specific Gravity of Injection Fluid = 1.17

D_{top} = Depth at top of perforated interval of injection zone (ft) = 4989

The computed maximum injection pressure would be:

$$= (0.733) * (4989) - (1.17) * (0.433) * (4989) = 1129 \text{ psi} = IP_{max}$$

The computed maximum injection pressure for the Dakota/Lakota sand is 1129 psi. An injection step-rate test will be performed to determine the final injection pressures and volumes to ensure the formation parting pressure (i.e. fracture pressure) is not reached during injection operations.

1 (j) Names and addresses of the leasehold owners, including unleased mineral owners, and the surface owners within the area of review of the input well(s):

The names and addresses of lease hold and surface owners within the area of review for the proposed injection well are listed in Exhibit 9.

MorningStar Operating, LLC will notify leasehold owners, surface owners, and unleased minerals in accordance with 36.22.1410(1) notification requirements for an underground injection permit. Affidavit of Notification of Surface and Mineral Owners along with an example of the mailed notice is attached in Exhibit 10.



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List of All Exhibits

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- Exhibit 1 Map of General Area with Area of Review (AOR)
- Exhibit 2 Geologic Cross Section of the Proposed Injection and Confining Intervals
- Exhibit 3 Log of Injection Interval
- Exhibit 4 Water Analysis of Injection Interval
- Exhibit 5 Thiel 2 11X-12 Proposed Remedial Wellbore Diagram
- Exhibit 6 Current Wellbore Diagram
- Exhibit 7 Proposed Wellbore Diagram
- Exhibit 8 Bakken Water Analysis
- Exhibit 9 Surface and Mineral Owner List
- Exhibit 10 Affidavit of Notification to Surface and Mineral Owners
- Exhibit 11 Affidavit of Publication



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January 7, 2026

Mr. John Gizicki
Underground Injection Control (UIC) Program Director
Montana Board of Oil and Gas Conservation
2535 St. Johns Avenue
Billings, MT 59102

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RE: Request for Aquifer Exemption
Thiel 11X-12 located in Section 12 of T22N R59E
Richland County, Montana

Dear Mr. John Gizicki,

Please accept the Aquifer Exemption request to supplement the MorningStar Operating, LLC. Thiel 11X-12 Disposal Application for the February 12, 2026, Montana Board of Oil and Gas hearing.

The Dakota/Lakota are being evaluated for injection. There is water data available on the Dakota/Lakota. The assumption is that an aquifer exemption will be required unless water quality data from the Thiel 11X-12 indicates water from the injection zone is not acceptable as USDW. 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).

Swab analysis from the Lakota Formation (noted as Lower Dakota in the water analysis report in Exhibit 4A) outside the area of review indicates the TDS is greater than 10,000 ppm. There is swab analysis from the Dakota Formation (noted as Upper Dakota in the water analysis report in Exhibit 4A) outside the area of review that indicates the TDS is less than 10,000 ppm but greater than 3,000 ppm. The TDS of the Dakota and Lakota will be confirmed with swab results upon completion. In addition to swab results, cost analysis data indicates that a Dakota/Lakota freshwater supply well in this area is unlikely. The basis of the exemption is that the Dakota/Lakota does not currently serve as a source of drinking water because the Dakota/Lakota is situated at a depth which makes recovery of water for drinking water purposes economically or technologically impractical.

Based on data from numerous published sources, two aquifers in the area meet the criteria of a USDW. These are shallow alluvium within the Tertiary Fort Union sandstone aquifer and the Cretaceous Fox Hills Hell Creek sandstone aquifer. Neither of these would be affected by injection into the proposed location. There are no water wells producing from any zone located within the ¼ mile area of review (AOR). There are no water wells within ½ mile expanded view of the Thiel 11X-12. There are no water supply wells penetrating the Dakota/Lakota formation within ½ mile of the Thiel 11X-12, which is specifically requested information per 36.22.1418(1)(a).

To protect freshwater zones, drilling practices include drilling through these possible freshwater zones and setting surface casing. Surface casing is cemented to surface. There are only gamma ray logs that run through the Fox Hills formations due to this formation being isolated behind casing



and cement. To supplement information on the depth of possible freshwater zones, MorningStar references Montana Bureau of Mines and Geology reports on groundwater for the area, namely, the mapping work by Larry Smith entitled "Depth to the Fox Hills-Lower Hell Creek Aquifer, Lower Yellowstone River Area" published in MBMG's GWAA- Montana Ground-Water Assessment Atlas (1-B-03), 1998, which estimates the base of the Fox Hills at approximately 1200 feet of depth in the Thiel 11X-12 area. Underground sources of drinking water (USDW) TDS reports to the base of the Fox Hills are available in the area and show values less than 1200 mg/L.

The Dakota/Lakota are not used for USDW in this area due to the existence of shallower freshwater aquifers. Based on recent drilling estimates using a water well rig, the cost to drill a 1,200-foot water well with rathole through the Fox Hills including the pump is approximately \$569,000. The cost to drill and complete a 5000-foot Dakota/Lakota water well would require a full drilling rig and cost approximately \$1,499,000. There would also be additional costs to treat the Dakota/Lakota water, greatly exceeding the costs to treat the Fox Hills water. See Exhibit 5A.

The Environmental Protection Agency (EPA), in UIC guidance 34, states that the minimum data set needed for aquifer exemptions will include at least:

1. *All oil and gas boreholes within the area, all public and private water wells within the area and at least ¼ mile beyond the boundary of any existing wellhead protection areas, and the locations of all relevant water samples.*
 - a. There are no water wells within ¼ mile of the proposed Thiel 11X-12 injection location. There are no water wells within ½ mile of the proposed location.
 - b. There are no water well samples available within the ½ mile area. See Exhibit 1A.
 - c. Water samples for the Dakota/Lakota formations are shown in Exhibit 4A.
 - d. There are no Dakota/Lakota oil producing wells within the ¼ mile or ½ mile area. See Exhibit 1A.
 - e. All water wells and producing wells within a ¼ mile and ½ mile area are shown on Exhibit 1A.

There is one producing well located within the ¼ mile AOR for this well. The Thiel 2 11X-12 (NWNW of Sec 12 of T22N R59E), operated by MorningStar Operating, is located on the same pad as the proposed SWD conversion. The Thiel 2 11X-12 was drilled in May 2011 as a horizontal Bakken producer. The well has 7-inch casing and a CBL noting top of cement at 5200' MD. Prior to commencing any injection into the proposed conversion, cement will be squeezed in this well to adequately cover the proposed Dakota/Lakota disposal zone and a CBL run to confirm TOC.

There are two producing wells with a lateral penetrating the ¼ mile AOR at around 8,210' SSTVD in the Middle Bakken, the Olson 43X-1 (SENESE of Sec 1 of T22N R59E) and the Patricia 41X-15 (NENENE of Sec 15 of T22N R59E), both operated by MorningStar Operating, whose surface holes are located 5,103 feet to the northeast and 7,389 feet to the southwest, respectively, from the nearest point of the proposed SWD.



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Not within the $\frac{1}{4}$ mile area but within the $\frac{1}{2}$ mile area, there is a lateral penetrating the $\frac{1}{2}$ mile area at around 8,210' SSTVD in the Middle Bakken, the Swigart 11X-18 (NENWNW of Sec 18 of T22N R59E), operated by MorningStar Operating, whose surface hole is located 7,653 feet to the southeast from the nearest point of the proposed SWD.

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

- The Thiel 11X-12 may be completed into the Dakota and Lakota. See Exhibit 2A for a cross section of wireline logs showing the vertical confinement of the Dakota/Lakota formation and Exhibit 3A for available wireline logs of the injection interval.
- Water quality information for the proposed disposal zone in the immediate area of the Thiel 11X-12 is not available. However, a water sample from the Dakota/Lakota in the RR Lonetree Edna 1-13 SWD located 6 miles west of the proposed disposal site had total dissolved solids between 5,173 to 10,352 mg/L, and water in the Thiel 11X-12 is expected to be similar. The samples from the Lonetree Edna 1-13 were acquired by swab testing the interval and measuring the TDS for the interval. See Exhibit 6A. The Dakota (identified as Upper Dakota on the report) TDS lies between the 3,000 ppm and 10,000 ppm cutoff and will require an aquifer exemption.
- Proposed injection zones for the Thiel 11X-12 SWD are as follows and can be viewed in the wellbore diagram in Exhibit 8A. Depths are shown below:

Formation	Lithology	Top (ft)	Base (ft)	Net pay (ft)	Pressure (PSI)	Porosity
Dakota	Sandstone	4989	5395	28	2250	20%
Lakota	Sandstone	5395	5451	36	2360	20%

Depth and net pay for each of the proposed injection zones are estimated from the Cement Bond Log with Gamma Ray ran December 5, 2010, on the Thiel 11X-12. The porosity is based on sonic and density log estimates from the following wellbores: Becker 8-4 (2.4 miles NW), Lien 2 (0.7 mile NE), and FLB of Spokane 1 (1.8 miles E). The porosity was derived from either a density curve calculated on a sandstone matrix, or a sonic log curve calculated using a consolidated sandstone matrix. Formation pressure was estimated using a water gradient of 0.435 psi/ft.

- The upper confining formation for the proposed injection zone is the Cretaceous Skull Creek formation. It is comprised of clastic, shallow marine deposits composed of medium-dark gray shales, calcareous, micaceous, and glauconitic in part, interbedded with siltstones. The Skull Creek is 146 feet thick in this area.

The lower confining formation for the proposed injection zone is the Jurassic Morrison, Swift, and Rierdon formations. The Swift lies immediately below the Lakota and is primarily made up of transgressive-regressive, clastic, shallow



marine deposits composed of dark gray-green shales, slightly calcareous, dark gray-green, waxy shales, and is commonly interbedded with glauconitic siltstones and sandstones with occasional carbonate packstones and grainstones. The lower confining interval is approximately 774 feet of impermeable rock facies.

The actual fracture gradients for these confining zones are unknown, but fracture gradients for the confining shale layers are known to be higher than those for the underlying sandstone injection zone.

Formation	Lithology	Top (ft)	Base (ft)	Thickness (ft)
Skull Creek	Shale	4843	4989	146
Mrsn/Swft/Rrdn	Shale	5451	6225	774

Considering the vertical distance to any USDW and the maximum feasible injection rate that could occur, the likelihood of a fracture extending from the proposed disposal zone to any USDW under any reasonable disposal conditions is considered low.

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3. *Thickness, area, and average porosity of the reservoir to be exempted. If the proposed UIC well within the exempted area is an SWD, 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 saltwater).*

$$\text{Pore Volume (barrels)} = (\pi * r^2 * h * f) / 5.63$$

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

The computed pore volume would be:

$$\text{Dakota: } (\pi * 1320^2 * 28 * 0.2) / 5.63 = 5,444,743 \text{ barrels}$$

$$\text{Lakota: } (\pi * 1320^2 * 36 * 0.2) / 5.63 = 7,000,384 \text{ barrels}$$

$$\text{Radius of Emplacement Fluid} = (Q * t / (\pi * h * \text{porosity}))^{0.5}$$

Where: t = time, in days

Q = injection rate, cubic feet per day

Assuming:	Minimum Water Injection Rate	0	BWPD	or	0	FT ³ /DAY
	Median Water Injection Rate	2000	BWPD	or	11229	FT ³ /DAY
	Maximum Water Injection Rate	4500	BPWD	or	25266	FT ³ /DAY
	Injection Period	15	YEARS	or	5475	DAYS
	Net Thickness	64	FEET			
	Average Porosity	20%				

The computed radius of emplacement would be:

$$(11229 * 5475 / (\pi * 64 * 0.2))^{0.5} = 1236 \text{ FT} = 0.23 \text{ miles}$$

4. *Water quality analysis of the aquifer for exemption. How was water quality determined?*

- Water samples from the RR Lonetree Edna 1-13, located 15 miles west of the Thiel 11X-12 were used. See Exhibit 4A for swab results of the water samples.



In addition to the technical data, the affidavits of notification to all concerned parties are attached as Exhibit 7A and 8A. Please contact us if there are any questions regarding this submission.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brodie Savage".

Brodie Savage

Manager- Operations Engineering

817-334-7745

bsavage@txopartners.com

A handwritten signature in blue ink, appearing to read "Erin Donovan".

Erin Donovan

Manager- Geology

817-334-7871

edonovan@txopartners.com

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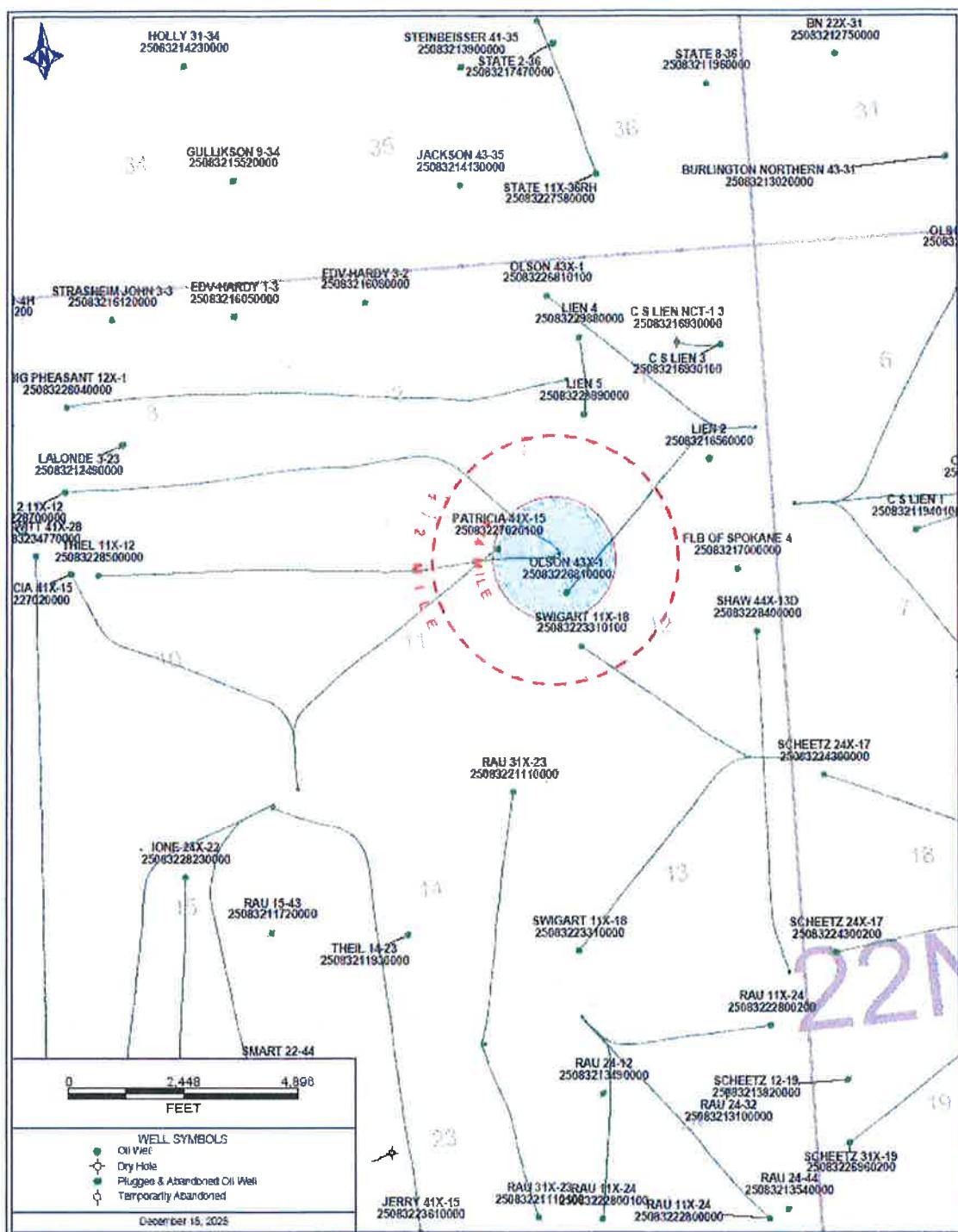
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List of Exhibits

- Exhibit 1A Map of General Area with Area of Review (AOR)
- Exhibit 2A Geologic Cross Section of the Dakota/Lakota
- Exhibit 3A Log of Injection Interval
- Exhibit 4A Water Analysis of Injection Interval
- Exhibit 5A Estimated Cost of Drilling deep USDW
- Exhibit 6A Current and Proposed Wellbore Diagram
- Exhibit 7A Surface and Mineral Owner List
- Exhibit 8A Affidavit of Notification to Surface and Mineral Owners
- Exhibit 9A Affidavit of Publication



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Map of General Area with 1/4 Mile AOR
And Freshwater Wells
Thiel 11X-12
Section 12 of T22N-R59E
Richland County, Montana

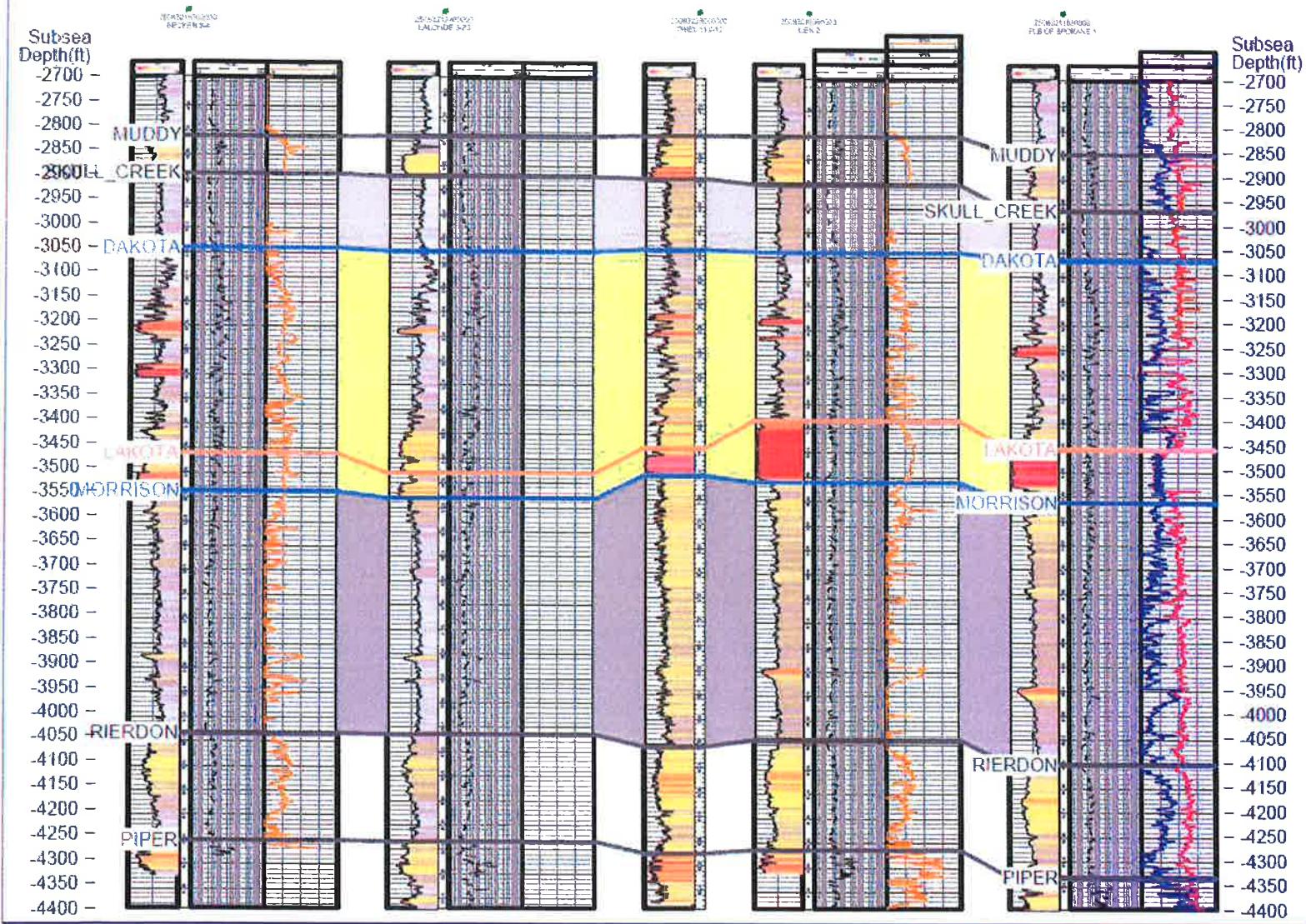


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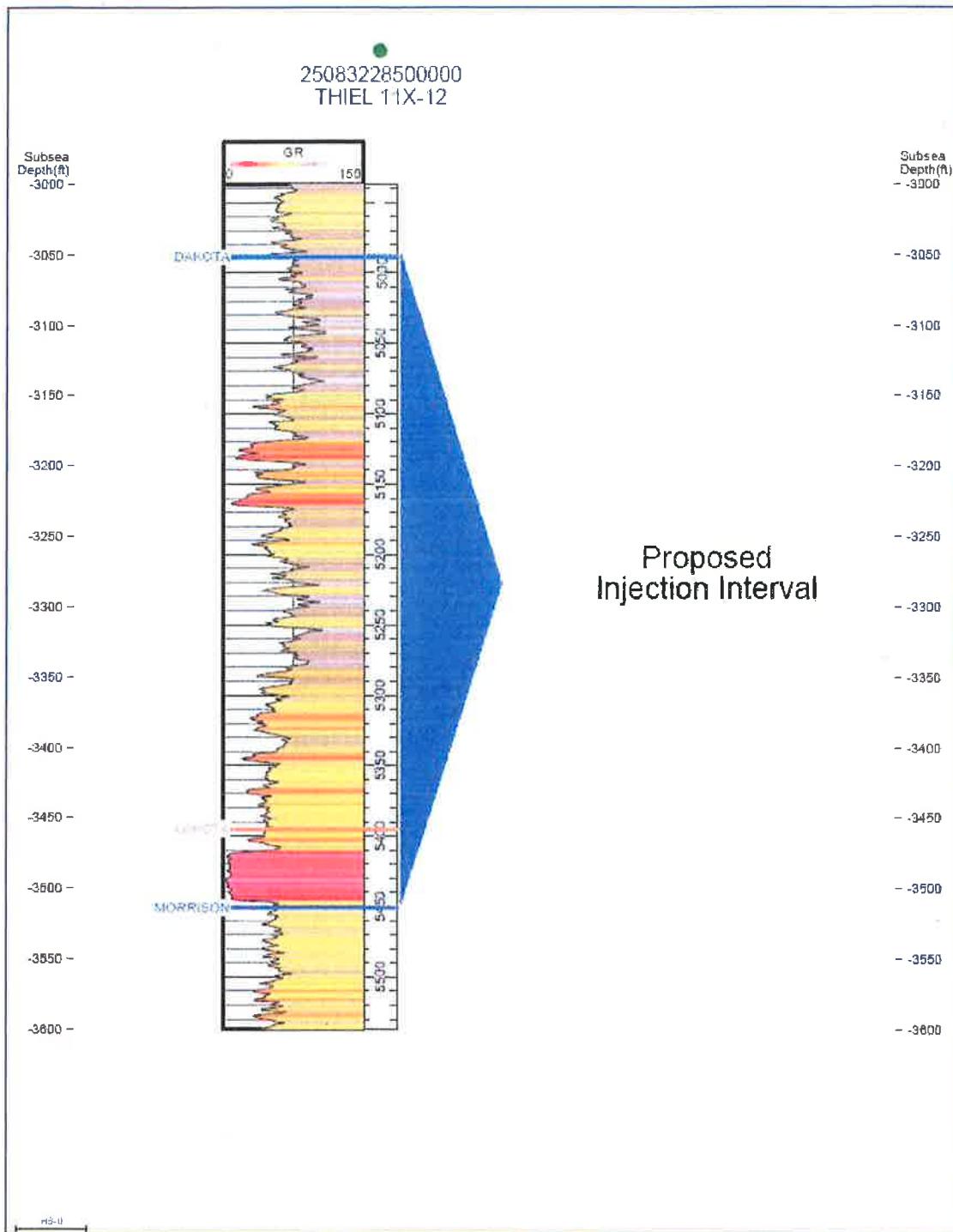
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Cross Section
Thiel 11X-12
Section 12 of T22N-R59E
Richland County, Montana



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Log of Injection Interval

Thiel 11X-12
Section 12 of T22N-R59E
Richland County, Montana

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Water Analysis of Injection Interval- Lower Dakota

Thiel 11x-12

Richland County, MT

SATHE ANALYTICAL LABORATORY, INC.

301 W. 242 STREET

19.0.0000 1967
THE LIBRARY, THE UNIVERSITY

二〇一〇年八月二日

WATER, OIL AND GAS: THE PERSPECTIVE

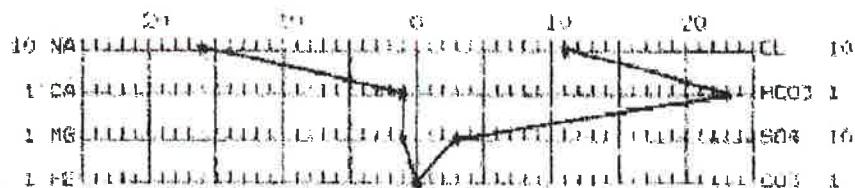
OPERATOR:	ENERGYUS RESOURCES L.P.	DATE:	4/27/09
WELL NO.:	LONG TREE EDNA 1-17	LAB NO.:	W-09-1494
FIELD:	not listed	FORMATION:	Lower Dakota
COUNTY:	Richland	INTERVAL:	3844 - 3664'
STATE:	WA	TEST #:	
LOC:	not listed	SAMPLE:	LITTLE SWAN RIN-TOTAL 105 BBLs

CATIONS	MG/L	MG/L	ANIONS	MG/L	MG/L
SODIUM	3580.0	155.1	CHLORIDE	3764.1	106.2
CALCIUM	29.6	1.2	CARBONATE	0.0	0.0
MAGNESIUM	11.4	0.9	BICARBONATE	1415.7	55.2
IRON	0.0	0.0	SULFATE	1532.3	51.9
POTASSIUM	17.4	0.4	NITRATE	0.0	0.0
BARIUM	0.0	0.0			
CHROMIUM	0.0	0.0			

SPECIFIC GRAVITY @ 77°F 1.022 SG 1.022

RESISTIVITY @ 23°C, OHM METERS 0.912 2161 1.0161 6.16 5

WATER EROSION PATTERN INDEX



REMARKS - 11TH FBN SWAS - TOTAL LOS 188 47804. Received 4/7/92.

DISTRIBUTION OF RESULTS
Recty Gardner -- ~~Wardrobe RT~~
Lynn Sundby -- Hellboroton -- ~~Wardrobe RT~~



MORNINGSTAR
OPERATING

Water Analysis of Injection Interval- Upper Dakota
Thiel 11X-12
Richland County, MT

SAFTEY ANALYTICAL LABORATORY, INC.
101 W. 2ND STREET P.O. BOX 1577 201-572-3632
MILLESTON, MT 59044

WATER ANALYSIS REPORT

OPERATOR: ENERFLOR L.P. DATE: 4/8/09
WELL NO.: LONE TREE EDNA FIELD LAB NO.: 10-09-1705
FIELD: not listed FORMATION: Upper Dakota
COUNTY: Richland INTERVAL: 2368-5610
STATE: MT DST: 0
LOC: not listed SAMPLE RUN #16-SAMPLE 130 FEET BACK

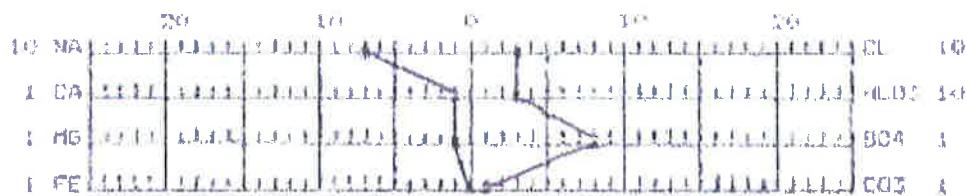
CATIONS	MG/L	PERCENT	RELATION	MG/L	MG/L
SODIUM	1680.0	77.4	CHLORIDE	1114.2	51.4
CALCIUM	34.0	0.7	CARBONATE	31.5	1.1
MAGNESIUM	7.6	0.3	BICARBONATE	1970.2	11.3
IRON	1.2	0.1	SULFATE	791.2	5.1
POTASSIUM	7.9	0.2	CHLORATE	0.0	0.0
BARIUM	0.0	0.0	CHLORIDE	0.0	0.0
CHROMIUM	0.0	0.0	CHLORATE	0.0	0.0

SPECIFIC GRAVITY @ 77°F 1.000 PH 7.83

RESISTIVITY @ 77°F, ohm-meters 1.300 NACL (CHLORIDE) 1830.1

TOTAL DISSOLVED SOLIDS (CALC.) MG/L 5173.0 HYDROGEN SULFIDE NEG

WATER ANALYSIS PARTITION (MG/L)



REMARKS - Run #16 Sample 130 FEET BACK.
Received 4/8/09.

DISTRIBUTION OF RESULTS
Rocky Gordon - Sidney MT.
Lynn Sundby - Halliburton - Williston ND.

JAN 08 2026



MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

AUTHORITY FOR EXPENDITURE - D&C

Company	MorningStar Operating, LLC	AFE #	CCR	Date	1/10/2025
Lease Name	Elm Coulee Water Well	Well #		API #	
S-T-R	Surv/Abs			Field/Area	Elm Coulee
County	Richland	State	Montana		
Project	Drill and Complete a water well to 1,500'				
Proj Form				Proj TD	1500
2250		INTANGIBLE		TOTAL	
1000	LOCATION / ROADS / PITS	\$150,000		\$150,000	
1002	LAND DAMAGES / LEGAL WORK / SURVEYING	\$25,000		\$25,000	
1100	DRILLING - FISHING TOOLS & SERVICE			\$0	
1301	DRILLING - RENTAL TOOLS & EQUIPMENT - SURFACE	\$20,000		\$20,000	
1302	DRILLING - RENTAL TOOLS & EQUIPMENT - SUBSURFACE	\$4,000		\$4,000	
1500	MUD / CHEMICALS	\$15,000		\$15,000	
1600	DRILLING - ENGINEERING / SUPERVISION	\$15,000		\$15,000	
2601	DRILLING - CONTRACT LABOR			\$0	
2000	DRILLING RIG	\$125,000		\$125,000	
2003	DRILLING - TRUCKING / HOT SHOT (TANGIBLES ONLY)			\$0	
2004	DIRECTIONAL TOOLS & SERVICE			\$0	
2007	RIG MOB / DEMOB			\$0	
2102	DRILLING - FLUID DISPOSAL / SOLIDS CONTROL			\$0	
2201	OPEN HOLE LOGS / CORES / FORMATION EVALUATION			\$0	
3000	DRILL BITS			\$0	
3100	OVERHEAD			\$0	
3900	DRILLING - WATER & WATERLINES	\$15,000		\$15,000	
3901	DRILLING - POWER & FUEL	\$10,000		\$10,000	
4001	SURFACE / INTERMEDIATE - CASING CREWS, TOOLS & TONGS			\$0	
4002	SURFACE / INTERMEDIATE - CEMENT & CEMENTING SERVICES			\$0	
8000	MUD LOGGING UNIT			\$0	
2260		TANGIBLE		TOTAL	
1201	CONDUCTOR PIPE			\$0	
1101	SURFACE CASING			\$0	
1302	INTERMEDIATE CASING			\$0	
1300	CASING HEAD	\$7,500		\$7,500	
TOTAL COST IF DRY HOLE		\$379,000	\$7,500	\$386,500	
2250		INTANGIBLE		TOTAL	
1101	COMPLETION - FISHING TOOLS & SERVICES			\$0	
1303	COMPLETION - RENTAL TOOLS & EQUIPMENT - SUBSURFACE			\$0	
1304	COMPLETION - RENTAL TOOLS & EQUIPMENT - SURFACE			\$0	
1501	COMPLETION - WATER / COMPLETION FLUIDS / CHEMICALS / TRACERS			\$0	
1602	COMPLETION - ENGINEERING / SUPERVISION			\$0	
1603	COMPLETION - CONTRACT LABOR			\$0	
2103	COMPLETION UNIT			\$0	
2101	COMPLETION - TRUCKING / HOT SHOT			\$0	
2200	CASED HOLE WIRELINE SERVICES			\$0	
2400	STIMULATION SERVICES			\$0	
2401	COMPLETION - FLUID DISPOSAL			\$0	
2402	COMPLETION - FRACTURE TANK RENTALS			\$0	
2403	FLOWBACK			\$0	
3301	PUMP TRUCKS & SERVICES			\$0	
4003	PRODUCTION - CEMENT & CEMENTING SERVICES	\$30,000		\$30,000	
4004	PRODUCTION - CASING CREWS, TOOLS & TONGS	\$7,500		\$7,500	
4200	WELL TESTING			\$0	
9000	FILL PITS & DRESS LOCATION			\$0	
2260		TANGIBLE		TOTAL	
1103	PRODUCTION CASING / LINER	\$50,000		\$50,000	
1300	TUBING	\$10,000		\$10,000	
1301	TUBING HEAD / X-MAS TREE	\$10,000		\$10,000	
1401	SUBSURFACE EQUIPMENT / PACKER			\$0	
1501	ARTIFICIAL LIFT EQUIPMENT / SUBPUMP / PUMPING UNIT	\$50,000		\$50,000	
1502	TANKS / WALKS / STAIRWAYS			\$0	
1503	SEPARATION EQUIPMENT / GAUGES - PROD FACILITY			\$0	
1601	ELECTRICAL	\$25,000		\$25,000	
1700	MEASUREMENT EQUIPMENT			\$0	
1701	AUTOMATION EQUIPMENT			\$0	
8000	FLOWLINES & FITTINGS			\$0	
TOTAL COST TO COMPLETE & EQUIP		\$37,500	\$145,000	\$182,500	
TOTAL WELL COST		\$416,500	\$152,500	\$569,000	



MORNINGSTAR
OPERATING

AUTHORITY FOR EXPENDITURE - D&C

Company	MorningStar Operating, LLC	AFE #	CC#	Date
Lease Name	Elm Coulee Water Well	Well #	API #	1/10/2025
S-T-R		Surv/Abs		Field/Area
County	Flinchland	State	Montana	
Project	Drill and Complete a water well to 5,000'			
Proj Form				Proj TD 5,000'
2250		INTANGIBLE		TOTAL
1000	LOCATION / ROADS / PITS	\$250,000		\$250,000
1002	LAND DAMAGES / LEGAL WORK / SURVEYING	\$25,000		\$25,000
1100	DRILLING - FISHING TOOLS & SERVICE			\$0
1301	DRILLING - RENTAL TOOLS & EQUIPMENT - SURFACE	\$50,000		\$50,000
1302	DRILLING - RENTAL TOOLS & EQUIPMENT - SUBSURFACE	\$20,000		\$20,000
1500	MUD / CHEMICALS			\$0
1600	DRILLING - ENGINEERING / SUPERVISION	\$30,000		\$30,000
1601	DRILLING - CONTRACT LABOR			\$0
2000	DRILLING RIG	\$300,000		\$300,000
2003	DRILLING - TRUCKING / HOT SHOT (TANGIBLES ONLY)			\$0
2004	DIRECTIONAL TOOLS & SERVICE			\$0
2007	BIG MOB / DEMOB			\$0
2102	DRILLING - FLUID DISPOSAL / SOLIDS CONTROL	\$40,000		\$40,000
2201	OPEN HOLE LOGS / CORES / FORMATION EVALUATION			\$0
3000	DRILL BITS			\$0
3100	OVERHEAD			\$0
3900	DRILLING - WATER & WATERLINES	\$25,000		\$25,000
3901	DRILLING - POWER & FUEL	\$25,000		\$25,000
4001	SURFACE / INTERMEDIATE - CASING CREWS, TOOLS & TONGS	\$7,500		\$7,500
4002	SURFACE / INTERMEDIATE - CEMENT & CEMENTING SERVICES	\$30,000		\$30,000
8000	MUD LOGGING UNIT			\$0
2260		TANGIBLE		TOTAL
1201	CONDUCTOR PIPE			\$0
1101	SURFACE CASING	\$83,000		\$83,000
1102	INTERMEDIATE CASING			\$0
1300	CASING HEAD	\$7,500		\$7,500
TOTAL COST IF DRY HOLE		\$802,500	\$90,500	\$893,000
2250		INTANGIBLE		TOTAL
1101	COMPLETION - FISHING TOOLS & SERVICES			\$0
1303	COMPLETION - RENTAL TOOLS & EQUIPMENT - SUBSURFACE			\$0
1304	COMPLETION - RENTAL TOOLS & EQUIPMENT - SURFACE			\$0
1501	COMPLETION - WATER / COMPLETION FLUIDS / CHEMICALS / TRACERS			\$0
1602	COMPLETION - ENGINEERING / SUPERVISION			\$0
1603	COMPLETION - CONTRACT LABOR			\$0
2100	COMPLETION UNIT			\$0
2101	COMPLETION - TRUCKING / HOT SHOT			\$0
2200	CASED HOLE WIRELINE SERVICES	\$20,000		\$20,000
2400	STIMULATION SERVICES			\$0
2401	COMPLETION - FLUID DISPOSAL			\$0
2402	COMPLETION - FRAC TANK RENTALS			\$0
2403	FLOWBACK			\$0
3301	PUMP TRUCKS & SERVICES			\$0
4003	PRODUCTION - CEMENT & CEMENTING SERVICES	\$40,000		\$40,000
4004	PRODUCTION - CASING CREWS, TOOLS & TONGS	\$12,500		\$12,500
4200	WELL TESTING			\$0
9000	FILL PITS & DRESS LOCATION			\$0
2260		TANGIBLE		TOTAL
1103	PRODUCTION CASING / LINER	\$304,000		\$304,000
1200	TUBING	\$42,000		\$42,000
1301	TUBING HEAD / X-MAS TREE	\$12,500		\$12,500
1401	SUBSURFACE EQUIPMENT / PACKER			\$0
1501	ARTIFICIAL LIFT EQUIPMENT / SUBPUMP / PUMPING UNIT	\$150,000		\$150,000
1502	TANKS / WALKS / STAIRWAYS			\$0
1503	SEPARATION EQUIPMENT / GAUGES - PROD FACILITY			\$0
1601	ELECTRICAL	\$25,000		\$25,000
1700	MEASUREMENT EQUIPMENT			\$0
1701	AUTOMATION EQUIPMENT			\$0
8000	FLOWLINES & FITTINGS			\$0
TOTAL COST TO COMPLETE & EQUIP		\$72,500	\$533,500	\$606,000
TOTAL WELL COST		\$875,000	\$624,000	\$1,499,000

JAN 08 2026



MORNINGSTAR
OPERATING

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Last update: 01/06/2026

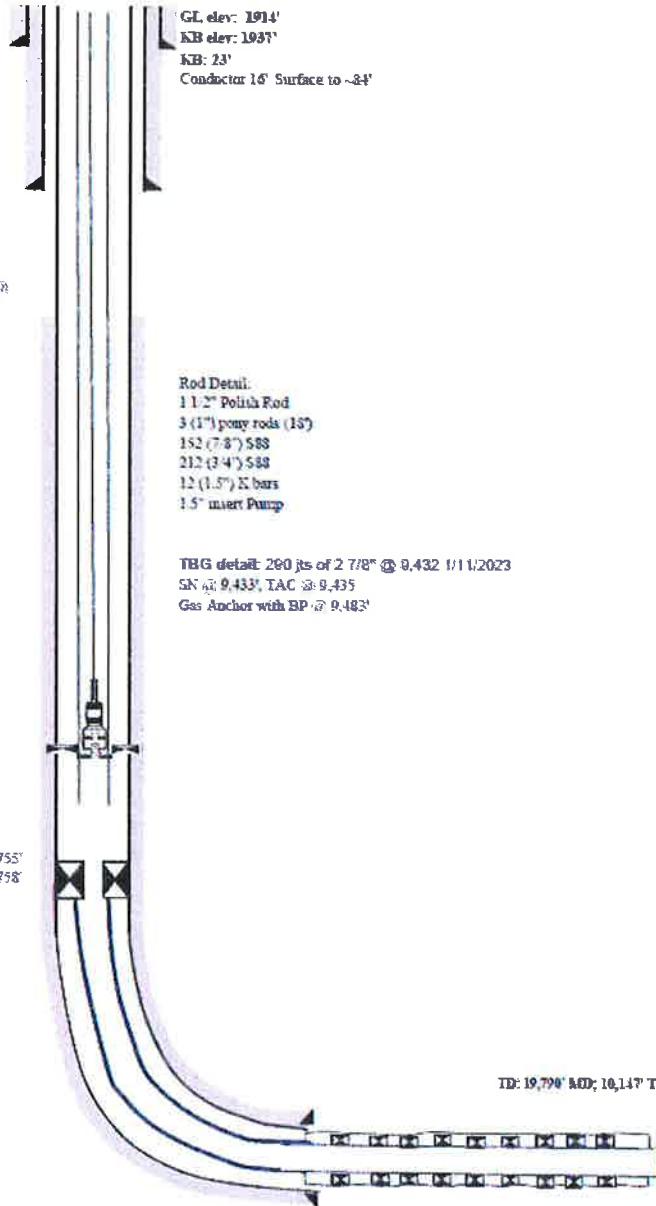


THIEL 11x12
Richland County, MT
Current WBD
API# 25-033-22850

NWNW Sec 12 T22N R59E

Surface casing:

9 5/8" 30WJ-55 surface esp @ 1851'
CMT: circ 50bbls to surface. 11/10/2010



Current Wellbore Diagram

Thiel 11X-12
Section 12 of T22N-R59E
Richland County, Montana



MORNINGSTAR OPERATING

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OPERATING

Last update: 01/06/2016

THIEL 11x12

Richland County, MT

PROPOSED WHD

API# 25-083-21850

NWNW Sec 12 T22N R59E

Surface casing:

9 5/8" 26# J-65 surface csg @ 1661'
CMT: circ 50bbls to surface. 11/10/2010

GL elev: 1914'
KB elev: 1937'
KB: 23'
Conductor 16" Surface to ~34'

7" Intermediate Casing:

7" ins. 32 and 29# P-110/P110MS @ 11,240'
1 jt 32#P-110 @ 28'
145 jts 29# P-110 @ 6349'
24 jts 32#P-110 @ 7391'
12 jts 29 #P-110 @ 7911'
21 jts 32# P-110 @ 8823'
15 jts 29# P-110MS @ 9487'
1 marker jt 12" @ 9595 P110MS @ 9505'
9 jts 19# P-110MS @ 9590'
float collar/ jacob @ 11,240'
CMT: pumped 324 bbls cur
TOC @ 4840' CBL 11/23/2010

7" csg TOC @
~4840' CBL

4 5" lined injection tubing
Proposed inj Pkr Depth ~5036'

Dakota Perfs. PROPOSED
5086-5087; 5088-5089; 5093-5097; 516-
5107; 5119-5134; 5141-5147; 5152-5160;
5183-5188; 5192-5202; 5225-5227; 5249-
5250; 5285-5288; 5295-5300; 5306-5308'

TOC @ ~5500'
10 sks cur on top of CICR
CICR @ ~5550'

Charles Formation: 8060-8677
48 sks balanced ping from ~7935-8115' (250)
Class G Cur W/ 35% silica

TOC @ ~9690' (10 sks on top of CICR)
CICR @ ~9,740'
90 sks squeezed below CICR (Class G w/ 35% silica)

EOP @ 9,755'
Top of Liner at 9,758'

TD: 19,790' MD; 10,147' TVD

Proposed Wellbore Diagram

Thiel 11X-12

Section 12 of T22N-R59E

Richland County, Montana



MORNINGSTAR
OPERATING

Surface and Mineral Owner List

Thiel 11X-12
Richland County, MT

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Current Operators within AOR

MorningStar Operating LLC
Particia 43X-15
25-083-22702

MorningStar Operating LLC
Olson 43X-1
25-083-22681

Surface Owners within AOR

Cherise Partin
PO Box 1588
Sidney, MT 59270

Raymond Bell, Trustee Et Al
1101 11th Street SW
Sidney, MT 59270

Rodney and Jan Bell Family Trust
1111 Cedar Ave. SW
Sidney, MT 59270

Mark Allen Whitney
12250 County Road 353a
Sidney MT 59270

S/L Services, Inc.
C/O Lester Shandy
2265 S. Central Avenue
Sidney, MT 59270

Mineral Interest Owners within AOR

3-RS LLC
PO BOX 3194
BILLINGS, MT 59103

AMY DOHRMANN
570 PALM BEACH RD
DICKINSON, ND 58601

BARBARA J STRACK REV TR
7117 SW 161ST TER
BEAVERTON, OR 97007

BLUESTONE OVERRIDE LP
1437 S BOULDER STE 700
TULSA, OK 74119

BODREY DALE KINDOPP
718 6TH ST SE
SIDNEY, MT 59270-5125

BOMONT ENTERPRISES LLC
PO BOX 519
GLIDE, OR 97443

BRAZOS MINERALS II LLC
PO BOX 17418
FORT WORTH, TX 76102

BRD ROYALTY HOLDINGS LLC
8235 DOUGLAS AVE STE 600
DALLAS, TX 75225

BRENDA LEE YEATES
4132 BRENNAN AVE
PERRIS, CA 92571

BRENT GILBERT-LEE WILSON
301 W STATE ROUTE 260 #1
CAMP VERDE, AZ 86322

BRETT A JOHNSON
PO BOX 73
TOWNER, ND 58788

BUREAU OF LAND MANAGEMENT
5001 SOUTHGATE DRIVE
BILLINGS, MT 59101

CAROL CHASE
PO BOX 158102
NASHVILLE, TN 37215

CHARLES D MCMURREY
PO BOX 70122
HOUSTON, TX 77270-0122

CHARLIE H READ
2611 SHADOWDALE
HOUSTON, TX 77043

CHERISE PARTIN
PO BOX 1588
SIDNEY, MT 59270

COASTAL MANAGEMENT TRUST
PO BOX 1569
PORTER, TX 77365

CRAIG G TAYLOR
600 N MARIENFELD STE 1020
MIDLAND, TX 79701

CY J TRASK
1820 25TH ST
GREELEY, CO 80631

DAVID MAIER
302 W MONTANA
LEWISTOWN, MT 59457

DENISE MORRISON
4505 WINWARD CT
VALDOSTA, GA 31605



MORNINGSTAR
OPERATING

Surface and Mineral Owner List
Thiel 11X-12
Richland County, MT

DENNIS A LORENZ 12108 CO RD 350 SIDNEY, MT 59270	DENNIS O JONES PO BOX 2081 BIGFORK, MT 59911-2081	DIANE CHERRY 2220 WILLAMETTE VIEW CT WEST LINN, OR 97068-2634
DONALD A MAIER PO BOX 163 SAND COULEE, MT 59472	DONALD R TOWNSEND 5125 REDMESA AVE LOVELAND, CO 80538-1016	DONALD W BEARDSLEY 2003 S UTAH ST NE ALBUQUERQUE, NM 87110-4852
DOROTHY A STRACK HANKEY 208 PROSA LN LIBERTY HILL, TX 78642-0228	DOUGLAS B SERVO 395 MEADOW HILLS DR KALISPELL, MT 59901-3319	DOUGLAS J BATES 8385 EAST FREMONT CT ENGLEWOOD, CO 80112
ELIZABETH DAVIS BOND FAMILY TR PO BOX 240 CAMARILLO, CA 93011	ELIZABETH L DAVIS MARITAL TR 15233 VENTURA BLVD #600 SHERMAN OAKS, CA 91403	ELLIOTT OIL CORPORATION PO BOX 786 SIDNEY, MT 59270
ERNEST K PARKS PO BOX 835 OJAI, CA 93203	F&D BARTA GRANDCHILDREN TRUST 1901 FREYBURG ENGLE RD SCHULENBURG, TX 78956-5104	FLORENCE E BALDWIN SANDSTROM PO BOX 16 HUMPTULIPOS, WA 98552-0016
GARFIELD N SERVO ESTATE PO BOX 10504 KALISPELL, MT 59901	GARY A BULLINGER 802 19TH ST E DICKINSON, ND 58601	GARY A KLING 2126 OTTAWA ST BUTTE, MT 59701
GEORGE G VAUGHT JR PO BOX 13557 DENVER, CO 80201-3557	GERALD RAU 35121 HWY 23 SIDNEY, MT 59270	GERALD RAU & PATRICIA RAU JOINT TENANTS 35121 HWY 23 SIDNEY, MT 59270
GREGORY RICHARD HANSEN PO BOX 563 SIDNEY, MT 59270	HARDY MINERAL TRUST 1173 MT HWY 528 WOLF POINT, MT 59201	HERBALY EXPLORATION LLC 1832 W CAPE COD WAY LITTLETON, CO 80120
HUBERT E LALONDE TRUST DATED 8/12/80 2120 SUNDANCER LOOP SE UNIT 2 MANDAN, ND 58554-6268	HUNT OIL COMPANY LOCK BOX 840722 DALLAS, TX 75284-0722	IRENE ANN BYRD 1101 S BUENA VISTA DR SPOKANE, WA 99224
JAMES A DIANA GULLICKSON H/W JT 3492 157TH AVE NW CARTWRIGHT, ND 58838	JAMES KERBEL 6949 FREDA WYLIE, TX 75098	JANET KUHN 10830 23RD ST SW MANNING, ND 58642
JEANNE M JOHNSTON SUPPLEMENTAL NEEDS TR 114 7TH AVE SW SIDNEY, MT 59270	JEFFREY ORLIN HANSEN PO BOX 1003 GLEN ROSE, TX 76043	JENNIFER OLSON 2567 8TH ST W DICKINSON, ND 58601-2212
JIM D SANDELL 1008 PINNACLE VW E KERRVILLE, TX 78028-7301	JO ANN OVERBY LARSON 13716 EARNSHAW ST OVERLAND PARK, KS 66221	JOAN M SCHWARTZ 780 W MILLER ST APT 34 MARENGO, IA 52301



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MORNING STAR
OPERATING
Surface and Mineral Owner List
Thiel 11X-12
Richland County, MT

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

JOLEEN SCHULTE 1113 COMMUNITY LOOP BISMARCK, ND 58503-7430	JOLENE LABAR 622 KENISINGTON UNION CITY, MI 49094	JOLENE SMITH 575 WESTERN AVE BUFFALO, WY 82834
JON M KOSTELECKY IRREVOCABLE TRUST DTD 10-24-12 1674 15 ST W STE 14 DICKINSON, ND 58601-2811	JOSEPHINE K FINNICUM LIFE EST 105 S CANFIELD RD EATON RAPIDS, MI 48827	JULIAN JAY LALONDE TRUST DTD 8/12/80 PO BOX 1688 SIDNEY, MT 59270
JUSTIN RAU PO BOX 160058 BIG SKY, MT 59716	KELLY L RAU 12128 CO RD 350 SIDNEY, MT 59270	KENNETH R KUNG AND DIANA KUNG JTWROS 12285 1ST ST SIDNEY, MT 59270
KIM THIEL 3277 LAKEVIEW DR DICKINSON, ND 58601	KIMBELL ROYALTY OPERATING LLC DEPT 300 PO BOX 59000 LAFAYETTE, LA 70505	KIRBY L DASINGER PO BOX 77 SIDNEY, MT 59270
KNAPP OIL CORPORATION PO BOX 786 SIDNEY, MT 59270	KSRL LLC 297 QUIET WATER AVE BILLINGS, MT 59105-2848	KUHN OIL CO INC PO BOX 129 TIMBERLINE, SD 57656
L KYLE KIRKLAND 603 RAMBLEWOOD HOUSTON, TX 77079	LALONDE MINERALS LLC 1918 18TH ST WEST BILLINGS, MT 59102	LARRY J & DOROTHY J ABBOTT JT PO BOX 547 CUSTER, SD 57730-0547
LARRY J KOSTELECKY 6898 E 131 WAY THORNTON, CO 80602-6945	LEFTHAND RESOURCES LLC PO BOX 3498 BOULDER, CO 80307	LEIF OLSON 2058 FLYCREEK RD POMPEY'S PILLAR, MT 59064-9728
LESTER/LOUISE PERSSON FAM TR DTD 3/11/05 711 HATHAWAY CT SAN JOSE, CA 95136	LILLIAN MORDICA TRUST 396 E SADDLEHORN RD SEDONA, AZ 86351	LIME ROCK RESOURCES III-A LP 1111 BAGBY ST STE 4600 HOUSTON, TX 77002-2559
LINDA SERVO EATON & TOM EATON 721 N KENDRICK AVE GLENDALE, MT 59330	LLOYD PROPERTIES 2977 SEXTON CANYON RD VENTURA, CA 93003	LOREL S MASSE TORRES 1288 YELLOWSTONE AVE #4 BILLINGS, MT 59102
LUKE L TRASK PO BOX 322 GALLATIN GATEWAY, MT 59730	LYNN CLOUTIER 7802 EXETER BLVD EAST TAMARAC, FL 33321	M & M ENERGY INC PO BOX 1448 SIDNEY, MT 59270
MARILYN R THAMERT REV TR 5025 SW NORMANDY PL BEAVERTON, OR 97005	MARK KERBEL 171 S GOLFWOOD DR W PUEBLO, CO 81007	MAY KWOK PO BOX 3358 ENGLEWOOD, CO 80155
MCCULLISS RESOURCES CO INC PO BOX: 3248 LITTLETON, CO 80161-3248	MICHAEL L JOHNSON PO BOX 653 CHINOOK, MT 59523	MIDLAND EMPIRE VENTURES LLC PO BOX 20303 BILLINGS, MT 59104



MORNING STAR
OPERATING

Surface and Mineral Owner List
Thiel 11X-12
Richland County, MT

MO JOHNSTON IRREVOCABLE TRUST 396 E SADDLEHORN RD SEDONA, AZ 86351	MOLLY FRIESS UNKNOWN ADDRESS SAVAGE, MT 59262	MONTANA-DAKOTA UTILITIES CO PO BOX 5600 BISMARCK, ND 58506-5600
MORENERGY EXPLORATION CO 240 ST PAUL ST #501 DENVER, CO 80206	MORNINGSTAR OPERATING LLC 400 WEST 7TH ST FORT WORTH, TX 76102	MT RIVERBED DISPUTED INTEREST PO BOX 201601 HELENA, MT 59620-1601
MTD CORPORATION PO BOX 718 BILLINGS, MT 59103	NANCY YOUNG DESALVATORE 4990 LEXINGTON CIR LOOMIS, CA 95650	NHPP II FORTUNA ROCKIES LLC 1106 WITTE ROAD SUITE 400 HOUSTON, TX 77055
NICKOLAS A SERVO 2363 FAIRWAY GLEN ST STOCKTON, CA 95206	NORTHERN OIL & GAS INC 4350 BAKER RD STE 400 MINNETONKA, MN 55343-8628	PAIGE M GEORGE 148 ORCHARD LN BILLINGS, MT 59101
PAMELA HELEN LORD 91317 SANDSTONE LN COOS BAY, OR 97420	PAMELA VADEN 6032 FRONTIER LN NASHVILLE, TN 37211	PATRICIA ANN CUNDIFF 35058 CO RD 129 SIDNEY, MT 59270-4247
PATRICIA HONADEL 1524 FOURTH ST SW MINOT, ND 58701	PATRICK J JONES 4630 FOOTHILL RD BIGFORK, MT 59911-6038	PETER RANDALL SERVO 1480 WINGSONG LN PAHRUMP, NV 89048
PHOENIX ENERGY ONE LLC 18575 JAMBOREE RD STE 830 IRVINE, CA 92612	R L MULHOLLAND 2150 FAIR PARK DR BILLINGS, MT 59903	RANDY BELL 7225 JELLISON RD BILLINGS, MT 59101
RAYMOND BELL & PATRICIA BELL LIV TR DTD 8/15/2024 1101 11TH ST SW SIDNEY, MT 59270	RED RIVER RESOURCES INC PO BOX 366 SIDNEY, MT 59270	RETAVA RESOURCES LP 1485 S COLORADO BLVD STE 300 DENVER, CO 80222
RHETTA RAU PO BOX 51413 BILLINGS, MT 59105	RHONDA KERBEL PO BOX 974 PAULS VALLEY, OK 73075	RICHARD ERICKSON 400 TABOR DR KILLDEER, ND 58640-4004
RICHLAND COUNTY TREASURER 201 WEST MAIN ST SIDNEY, MT 59270	RIVERCREST ROYALTIES II LLC 777 TAYLOR ST STE B10 FORT WORTH, TX 76102	ROACH FOUNDATION A TEXAS NON PROFIT CORPORATION 777 TAYLOR ST PH II-J FORT WORTH, TX 76102-4919
ROBERT B FERGUSON TRUST 26581 AVENIDA LAS PALMAS CAPISTRANO BEACH, CA 92624	ROBERT L HANSEN & BETTY L HANSEN 2000 REV FAM TR 835 AMETHYST DR SANTA MARIA, CA 93455	RODNEY AND JAN BELL FAMILY TRUST 1111 CEDAR AVE SW SIDNEY, MT 59270
RONALD A RAU & SHARON RAU JTWROS 974 SW 215TH AVE BEAVERTON, OR 97003	RONALD D KUNG 3736 N FRONTAGE RD EAST MOSES LAKE, WA 98837	ROSE FINK MINERAL TRUST 910 13TH ST SYDNEY, MT 59270

RECEIVED

JAN 08 2026



MORNING STAR
OPERATING

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Surface and Mineral Owner List

Thiel 11X-12

Richland County, MT

RYAN BELL 35056 HWY 23 SIDNEY, MT 59270	SANNES FAMILY LIMITED PARTNERSHIP 1623 N TEION ST COLORADO SPRINGS, CO 80907	SCOTT SCHAFER 2340 4TH ST W DICKINSON, ND 58601
SEANA RAU 3057 W COOPER RIDGE LOOP BILLINGS, MT 59106	SHARI ANN RUTHERFORD MARTIN PO BOX 10501 BAINBRIDGE ISLAND, WA 98110	SHARON A WOODWORTH LIFE ESTATE 7510 E NAVIGATOR LN TUCSON, AZ 85756-9198
SHARON R CORTNER 5402 EAST CUSTER LN SPOKANE, WA 99223-1675	SHAW LIVING TRUST PO BOX 614 NEWPORT, OR 97365	SHILOAH OLSON PO BOX 68 WATFORD CITY, ND 58854
SOUTH SAN JOSE OIL COMPANY PO BOX 508 LITTLETON, CO 80160	SOUTHWEST PETROLEUM COMPANY LP PO BOX 702377 DALLAS, TX 75270-2377	STEPHANIE LOVE AKA STEPHANIE SCHULTE 3540 E BRIGHTON POINT DR SALT LAKE CITY, UT 84121
STEPHEN THOMAS RUTHERFORD 1933 CAPITOL DR SE PALM BAY, FL 32909	STEVEN G SHADDOCK 925 ST ANDREWS LN LOUISVILLE, CO 80027	TAILWIND CAPITAL SERIES LLC 1320 S UNIVERSITY DR STE 701 FORT WORTH, TX 76107
TAILWIND PARTNERS LP 1320 S UNIVERSITY DR STE 701 FORT WORTH, TX 76107	TERRANCE M E JONES 7 ROBINHOOD CIR N OSWEGO, IL 60543-9749	THE HAMILL FOUNDATION 14701 ST MARYS LANE SUITE 290 HOUSTON, TX 77079-2923
THE USA K WYNNE ASSET TRUST 306 WEST 7TH ST STE 901 FORT WORTH, TX 76102	THE LOUVIN FOUNDATION PO BOX 2297 BILLINGS, MT 59103	THE ROBERT D STRACK FAMILY TRUST 3575 S 3400 W WEST VALLEY CITY, UT 84119
THE STRACK FAMILY TR DTD 9/5/2008 1212 NORTH 225 WEST CENTERVILLE, UT 84014	THOMAS A BALDWIN 2323 21ST ST SW PUYALLUP, WA 98373	TIMOTHY E YOUNG 5735 SAUNDERS AVE LOOMIS, CA 95650
TIMOTHY J DAWE 1502 26TH ST CODY, WY 82414	TIMOTHY M JONES PO BOX 70 ELMO, MT 59915	TIMOTHY STRADTMAN PO BOX 78 RYGATE, MT 59074
TIMOTHY W LORENZ 12113 CO RD 350 SIDNEY, MT 59270	TJK FAMILY PROPERTIES LLC PO BOX 50715 BILLINGS, MT 59105	TOBY RILO 8665 WATT AVE ROSEVILLE, CA 95747
TRENTON FREDERICK KINOPP 2704 MOUNTAIN VIEW DR CARLSBAD, NM 88220	WANDA J PERSON 1633 MOZART WY CORVALLIS, MT 59828-9563	WAYNE C & LIANNE SWIGART 4609 TALKING TREE DR BILLINGS, MT 59106
WESTSIDE ENERGY LLC 777 TAYLOR ST STE B10 FORT WORTH, TX 76102	WHITING O & G CORP 1700 LINCOLN STREET, SUITE 4700 DENVER, CO 80203	WILLIAM BRIAN HARP 1020 E 1ST AVE FOREMAN, AR 71836



MORNINGSTAR
OPERATING

Affidavit of Notification to Surface and Mineral Owners

Thiel 11X-12

Richland County, MT

BEFORE THE BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA
IN THE MATTER OF THE APPLICATION FOR
MORNINGSTAR OPERATING LLC FOR THE HEARING
OF ITS REQUEST FOR A UIC PERMIT FOR THE THEIL
11X-12 WELL, 1104' FNL, 491' FWL, SECTION 12, T22N,
R59E, P.M.M. RICHLAND COUNTY, MONTANA, FOR
THE PURPOSE OF WATER INJECTION

AFFIDAVIT OF NOTIFICATION

Date: January 6, 2026

State of Utah
County of Uintah

Amy Doebele, being first duly sworn, deposes and says:

That Notice of advising of MorningStar Operating LLC' application for UIC permit in the captioned matter, in the form attached as "Exhibit A", was mailed to each current operator, surface owner and lease owner within the area of review at the addresses shown in the exhibit attached to the Notice, by mailing a true copy thereof this 6th day of January, 2026, postage prepaid, First Class USPS Mail. This affidavit is given as evidence of compliance with A.R.M. 36.22.1410.


Amy Doebele
Authorized Agent

Subscribed and sworn before me on this 6 day of January, 2026.


Notary Public of the State of UT
My Commission Expires: May 19, 2026





MORNİNGSTAR
OPERATING

REC'D

JAN 08 2026

January 6, 2026

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

To: Surface owners within ¼ mile of the proposed salt water disposal well

RE: Proposed Saltwater Disposal Well

Location of proposed Disposal Well & Facility: Theil 11X-12

Location: NW 1/4 NW 1/4, Section 12, Township 22N, Range 59E. P.M.M.
Richland County, Montana

This letter is to advise you that MorningStar Operating LLC (MorningStar) plans to convert and complete the subject well into a Class II saltwater disposal well. Water will be injected into the Dakota group for the purpose of disposal operations.

In accordance with the rules and regulations of the Montana Board of Oil & Gas Conservation (MBOG), MorningStar is required to give notice that it has made an application to perform this work to each surface owner within a one-quarter mile radius of the injection site. The MBOG will conduct a hearing regarding this application. For the hearing date, please contact the MBOG by phone at (406) 656-0040, or visit their website at <https://dnrc.mt.gov/BOGC/>. Your comments or objections regarding this application may be directed to the MBOG at that time.

Written comments or objections may be submitted prior to the hearing to the following address:

Montana Board of Oil & Gas Conservation
2535 St. Johns Avenue
Billings, MT 59102

Please direct any and all of your communication regarding this proposed project, including more information about the upcoming hearing, to Mr. John Gizicki with the MBOG at (406) 656-0040 or to Dave Harford with MorningStar Operating LLC at (817) 334-7800.

Sincerely,

Amy Doebele
Authorized Agent for MorningStar Operating LLC



January 6, 2026

To: Mineral lease owner within ¼ mile of the proposed saltwater disposal well.
RE: Proposed Saltwater Disposal Well

Location of proposed Disposal Well & Facility: Thiel 11X-12

Location: NW 1/4 NW 1/4, Section 12, Township 22N, Range 59E. P.M.M.
Richland County, Montana

This letter is to advise you that MorningStar Operating LLC (MorningStar) plans to convert and complete the subject well into a Class II saltwater disposal well. Water will be injected into the Dakota group for the purpose of disposal operations.

In accordance with the rules and regulations of the Montana Board of Oil & Gas Conservation (MBOG), MorningStar is required to give notice that it has made an application to perform this work to each mineral lease owner within a one-quarter mile radius of the injection site. The MBOGC will conduct a hearing regarding this application. For the hearing date, please contact the MBOGC by phone at (406) 656-0040, or visit their website at <https://dnrc.mt.gov/BOGC/>. Your comments or objections regarding this application may be directed to the MBOGC at that time.

Written comments or objections may be submitted prior to the hearing to the following address:

Montana Board of Oil & Gas Conservation
2535 St. Johns Avenue
Billings, MT 59102

Please direct any and all of your communication regarding this proposed project, including more information about the upcoming hearing, to Mr. John Gizicki with the MBOGC at (406) 656-0040 or to Dave Harford with MorningStar Operating LLC at (817) 334-7800.

Sincerely,

A handwritten signature in blue ink that reads "Amy Doebele".
Amy Doebele
Authorized Agent for MorningStar Operating LLC



MORNINGSTAR
OPERATING

STATE OF MONTANA

JAN 08 2026

Affidavit of Publication
Thiel 11X-12
Richland County, MT

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Independent Record

AFFIDAVIT OF PUBLICATION

Helena Independent Record
2222 N. Washington St.
Helena, Montana 59602
(406) 456-7890

State of Florida, County of Orange, ss:

Edmar Corachia, being first duly sworn, deposes and says: That (s)he is a duly authorized signatory of Column Software, PBC, duly authorized agent of Helena Independent Record, a newspaper of general circulation published that is a "legal newspaper" as that is published daily in the City of Helena, in the County of Lewis and Clark, State of Montana, and has charge of the Advertisements thereof.

If this certification is for the State of Montana, I hereby certify that I have read sec. 18-7-204 and 18-7-205 MCA, and subsequent revisions, and declare that the price or rate charged the State of Montana for the publication for which claim is made in printed copy in the amount of \$177.100 is not in excess of the minimum rate charged any other advertiser for publication of advertisement, set in the same size type and published for the same number of insertions, further certify that this claim is correct and just in all respects, and that payment or credit has not been received.

PUBLICATION DATES: January 8 2026

NOTICE ID: XLSPKogl0mcukAYxQjA

PUBLISHER ID: COL-MT-201981

NOTICE NAME: Thiel 11X-12

Publication Fee: \$177.10

Edmar Corachia

EDMAR

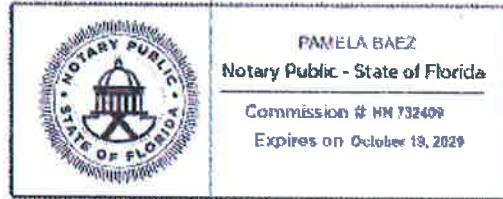
VERIFICATION

State of Florida
County of Orange

Subscribed in my presence and sworn to before me on this: 01/06/2026

Notary Public

Notarized remotely online using communication technology via Proof.





MORNINGSTAR
OPERATING

Affidavit of Publication

Thiel 11X-12

Richland County, MT

**SIDNEY
HERALD**

AFFIDAVIT OF PUBLICATION

**Sidney Herald
310 2nd Ave NE
(406) 433-2403**

I, Anjana Bhadoriya, of lawful age, being duly sworn upon oath depose and say that I am an agent of Column Software, PBC, duly appointed and authorized agent of the Publisher of Sidney Herald, a publication that is a "legal newspaper" as that phrase is defined for the city of Sidney, for the County of Richland, in the state of Montana, that this affidavit is Page 1 of 2 with the full text of the sworn-to-notice set forth on the pages that follow, and that the attachment hereto contains the correct copy of what was published in said legal newspaper in consecutive issues on the following dates:

PUBLICATION DATES:
Jan. 3, 2026

Notice ID: dEf7jotwnHerXGGrdDzH
Publisher ID: SHM000652
Notice Name: Thiel 11X-12

PUBLICATION FEE: \$160.63

Request of
Amy Doebele

I declare under penalty of perjury and under the laws of the state of Montana that the foregoing is true and correct.

Anjana Bhadoriya

Agent



VERIFICATION

**State of Florida
County of Broward**

Signed or attested before me on this: 01/05/2026

S. Smith

Notary Public
Notarized remotely online using communication technology via Proof.

Public Notice

Thiel 11X-12

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

In the Matter of the application of

Morningstar Operating LLC

For a Class II injection well permit

NOTICE OF INTENT/INTENTION TO APPLY FOR A

CLASS II INJECTION WELL PERMIT

1. Name and address of Applicant:
Morningstar Operating LLC
400 W 7th Street
Fort Worth, TX 76102

2. Legal Description including County and Approximate Ratings of Surface Location of Proposed Oil and Gas Well:
and projected bottom-hole location in directions or horizontal with
Thiel 11X-12
Surface Hole: 1104' FNL, 491' FWL
Midway Section 12, Township 22 North, Range 69 East
Richland County, MT

3. Source of fluids to be injected
Produced water from Three Forks (Bakken) wells

4. Zone of formation into which injection will occur, including depth
Dakota/Lakota from 4,000' - 6,461' MD
Plugback depth - 5,560' MD

5. An aquifer exemption will be requested as part of the application since
the proposed injection zone contains water with less than 10,000 ppm total
dissolved solids.

Pursuant to Rules 30.22, 30.28, Administrative Rules of Montana, the
Montana Board of Oil and Gas Conservation will hold a public meeting
upon the application of Morningstar Operating LLC for a Class II
injection well permit for the well or project set forth above. Said
meeting will be held at the Montana Board of Oil & Gas Hearing Room at
2606 St. John's Ave. Billings, Montana, beginning at 9:00 am on Thursday,
February 16, 2023
Date: January 3, 2026
Exhibit 9A