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MONTANA BOARD OF OIL &
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January 7, 2026

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

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 Donovan with MorningStar Operating, LLC at (817) 334-7871.

Sincerely,

Amy Doebele
Authorized Agent for MorningStar Operating LLC
UELS, LLC

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MORNINGSTAR
OPERATING

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



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 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.

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 aforementioned 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:// https://mbmggwic.mtech.edu/](https://mbmggwic.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



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.

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

The Thiel 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 BWPDP. 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.



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:

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

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.



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

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 withing 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 ¼ mile area but within the ½ mile area, there is a lateral penetrating the ½ 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?*
- a. 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 'B. Savage'.

Brodie Savage

Manager- Operations Engineering

817-334-7745

bsavage@txopartners.com

A handwritten signature in blue ink, appearing to read 'E. Donovan'.

Erin Donovan

Manager- Geology

817-334-7871

edonovan@txopartners.com



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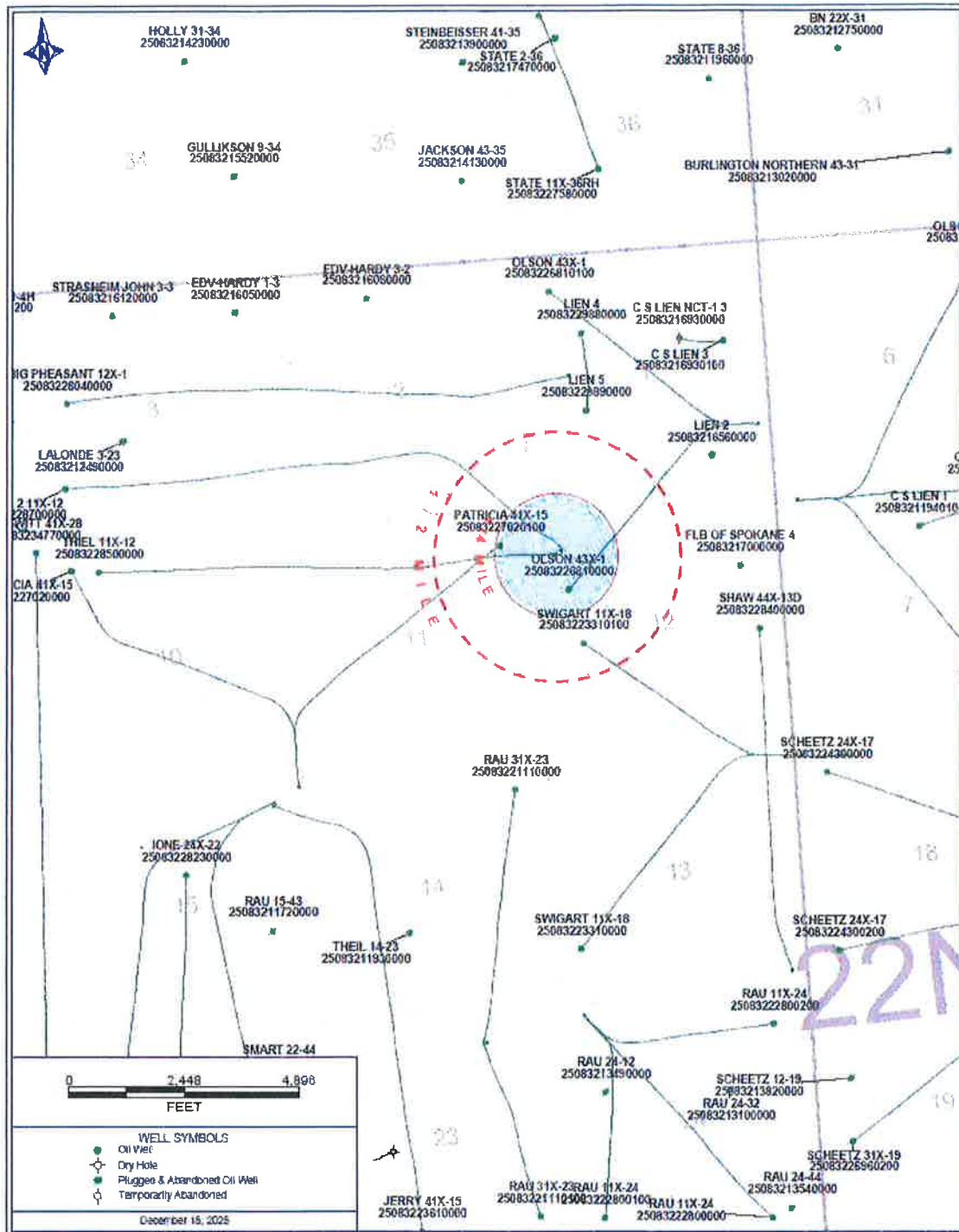
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List of Exhibits

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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OPERATING



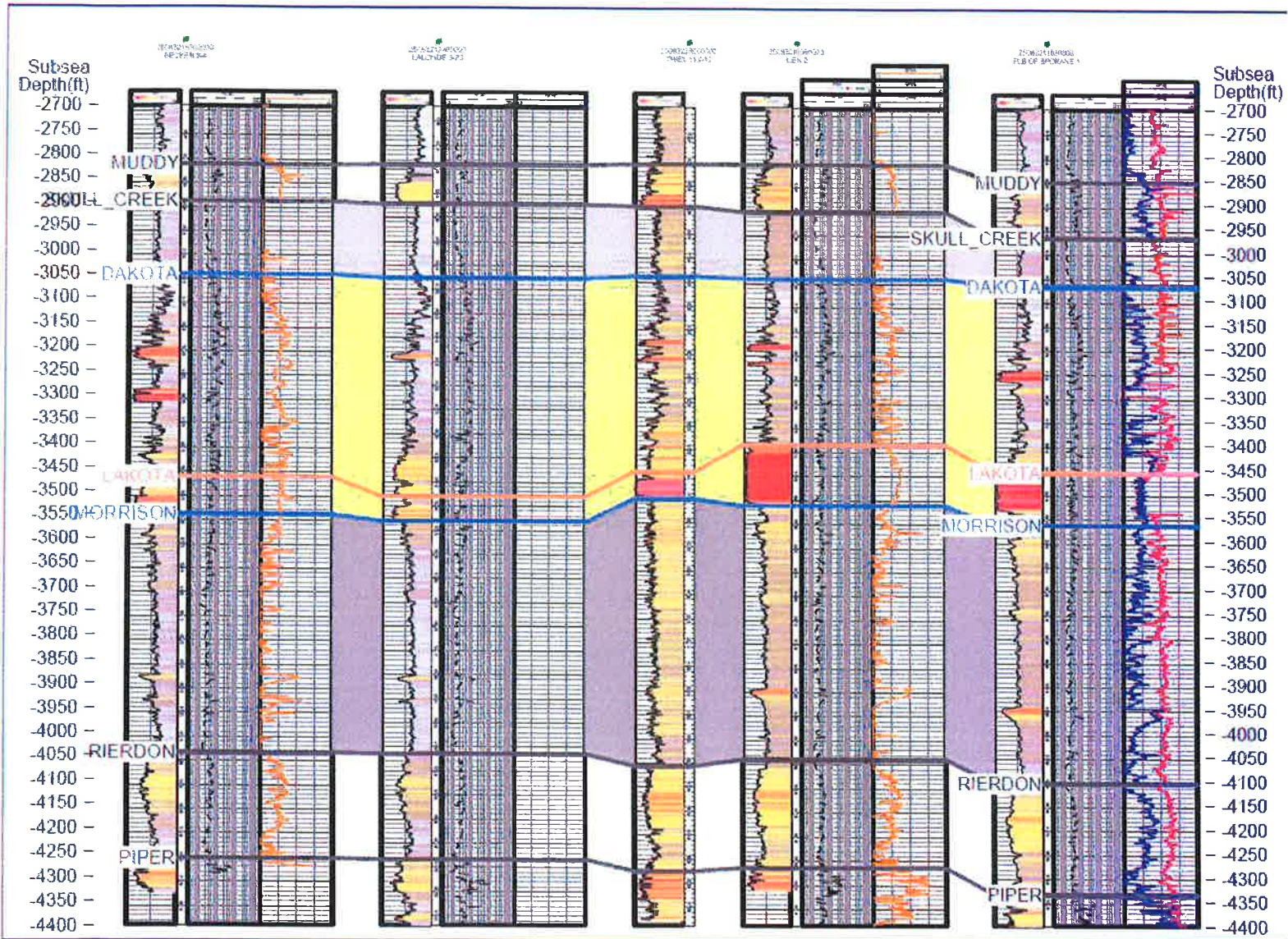


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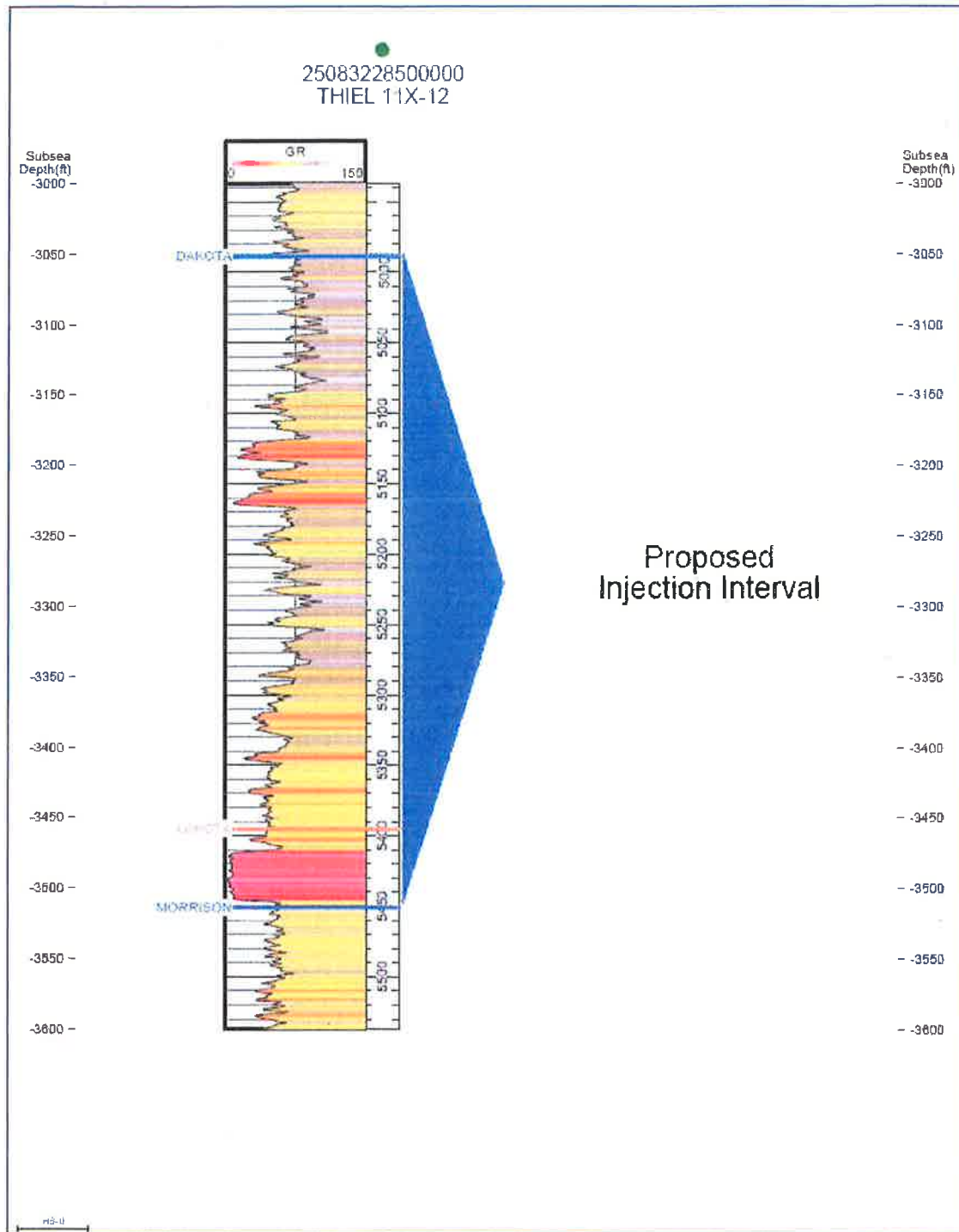
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Cross Section
Thiel 11X-12
Section 12 of T22N-R59E
Richland County, Montana



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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. 2ND STREET

BILLINGS, MT 59102

701 572-3512

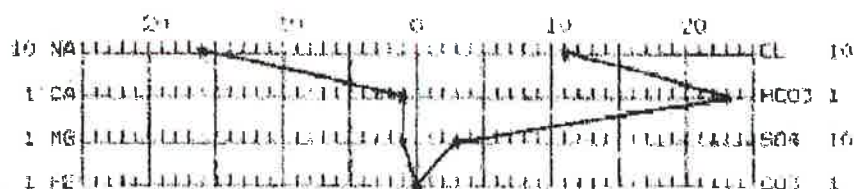
WATER ANALYSIS REPORT

OPERATOR: ENERPLUS RESOURCES L.P. DATE: 4/7/09
WELL NO.: LONG TREE EDNA 1-12 LAB NO.: W-09-1694
FIELD: not listed FORMATION: Lower Dakota
COUNTY: Richland INTERVAL: 3844 - 3864'
STATE: MT DST #:
LOC: not listed SAMPLE: 11TH SWAB RUN-TOTAL 105 BBLs

CATIONS	MG/L	MEQ/L	ANIONS	MG/L	MEQ/L
SODIUM	3580.0	155.1	CHLORIDE	3766.1	106.2
CALCIUM	29.6	1.2	CARBONATE	0.0	0.0
MAGNESIUM	11.4	0.9	BICARBONATE	1415.7	55.2
IRON	0.5	0.0	SULFATE	1532.3	31.9
POTASSIUM	17.4	0.4	NITRATE	0.0	0.0
BARIUM	0.0	0.0			
CHROMIUM	0.0	0.0			

SPECIFIC GRAVITY @ 77°F 1.000 PH 7.55
RESISTIVITY @ 77°F, ohm-meters 0.912 MG/L (Calc.) 6510.7
TOTAL DISSOLVED SOLIDS (Calc.) MG/L 10530.5 HYDROGEN SULFIDE MG/L

WATER ANALYSIS PATTERN MEQ/L



REMARKS - 11TH RUN SWAB - TOTAL 105 BBL 4/8/09.
Received 4/7/09.

DISTRIBUTION OF RESULTS
Rocky Border -- Sidney MT.
Lynn Sundby -- Hellbenton -- Billings MT.



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

SATHE ANALYTICAL LABORATORY, INC.

201 W. 2ND STREET

P.O. BOX 1507
WILLISTON, ND. 58854

701-572-3630

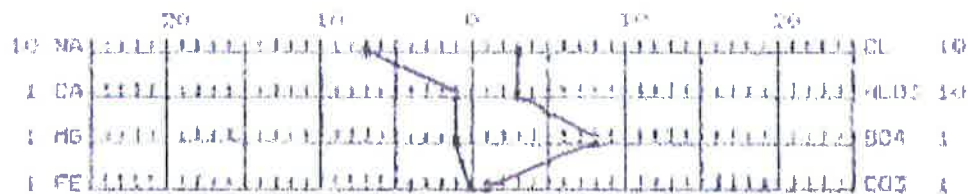
WATER ANALYSIS REPORT

OPERATOR: ENERFLOO L.P. DATE: 4/8/09
WELL NO. LONG TREE EDNA 1-12 LAB NO.: W-09-1705
FIELD: not listed FORMATION: Upper Dakota
COUNTY: Richland INTERVAL: 2508-5508
STATE: MT DST #:
LOG: not listed SAMPLE RUN #16-SAMPLE 130 FEET BACK

CATIONS	MG/L	MEQ/L	ANIONS	MG/L	MEQ/L
SODIUM	1680.0	73.4	CHLORIDE	1114.2	31.4
CALCIUM	34.0	0.7	LUMPHATE	31.5	1.1
MAGNESIUM	7.6	0.3	BICARBONATE	1972.1	31.3
IRON	1.2	0.1	SULFATE	791.2	6.1
POTASSIUM	7.9	0.3	NITRATE	0.0	0.0
BARIUM	0.0	0.0			
CHROMIUM	0.0	0.0			

SPECIFIC GRAVITY @ 77°F 1.000 PH 7.83
RESISTIVITY @ 77°F, ohm-centimeters 1.369 NaCl (Calc.) 1839.1
TOTAL DISSOLVED SOLIDS (Calc.) MG/L 5173.0 HYDROGEN SULFIDE NEG

WATER ANALYSIS FACTORIAL



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

DISTRIBUTION OF RESULTS

Rocky Gopher -- Sidney MT.

Lynn Sundby -- Halliburton -- Williston ND.



MORNINGSTAR
OPERATING

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

AUTHORITY FOR EXPENDITURE - D&C			
Company	MorningStar Operating, LLC	AFE #	CC#
Lease Name	Elm Coulee Water Well	Well #	1
S-T-R		Surf/Abs	
County	Richland	State	Montana
Project	Drill and Complete a water well to 1,500'		
Proj Form		Proj TD	1500
		INTANGIBLE	TOTAL
2250	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
1601	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
1102	INTERMEDIATE CASING		\$0
1300	CASING HEAD	\$7,500	\$7,500
TOTAL COST IF DRY HOLE		\$379,000	\$7,500
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
2100	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 - FRAC 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
1200	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
TOTAL WELL COST		\$416,500	\$152,500



MORNINGSTAR
OPERATING

AUTHORITY FOR EXPENDITURE - D&C

Company	MorningStar Operating, LLC	AFE #		CC#		Date	1/10/2025
Lease Name	Elm Coulee Water Well	Well #	1	API #			
S-T-R		Surv/Abs		Field/Area	Elm Coulee		
County	Richland	State	Montana				
Project	Drill and Complete a water well to 5,900'						
Proj Form				Proj TO	5,900'		

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	RIG 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
1201	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
8000	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



MORNINGSTAR
OPERATING



THIEL 11x12
Richland County, MT
Current WBD
API# 25-093-22850

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MONTANA BOARD OF OIL &
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Last update: 01/06/2026

NWNW Sec 12 T22N R59E

Surface casing:

8 5/8" 30# J-55 surface csg @ 165'
CMT: circ 50 bbls to surface. 11/10/2010

7" Intermediate Casing:

7" mix 32 and 29# P-110/P110MS @ 11,240'
1 jt 32# P-110 @ 28'
145 jts 29# P-110 @ 6348'
24 jts 32# P-110 @ 7391'
12 jts 29# P-110 @ 7911'
21 jts 32# P-110 @ 8823'
13 jts 29# P-110MS @ 9482'
1 marker jt 22" @ 9505' P110MS @ 9505'
9 jts 29# P-110MS @ 9890'
float collar 1 jt shoe @ 11,240'
CMT: pumped 324 bbls cmt
TOC @ 4840' CBL 11/23/2010

7" csg TOC @
4840' CBL

GL elev: 1914'
KB elev: 1931'
KB: 23'
Conductor 16' Surface to ~24'

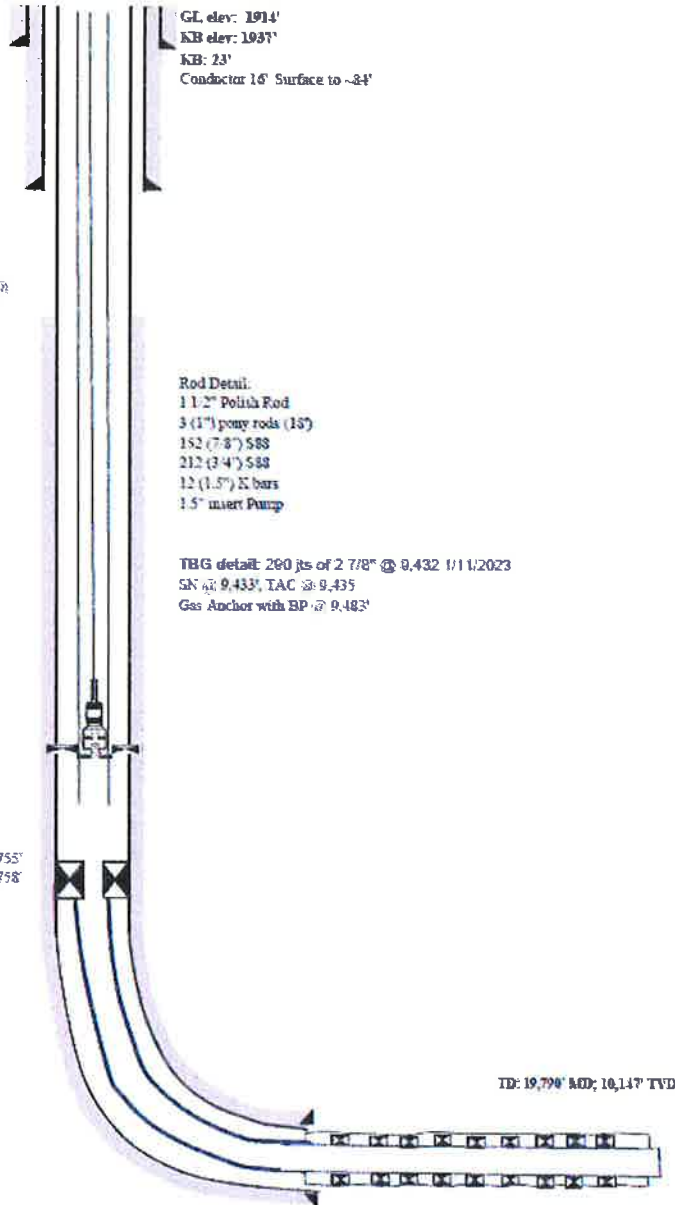
Rod Detail:
1 1/2" Polaris Rod
3 (1") pony rods (13')
152 (7/8") SSS
212 (3/4") SSS
12 (1.5") K bars
1.5" inert Pump

TBG detail: 260 jts of 2 7/8" @ 9,432 1/11/2023
SN @ 9,433', TAC @ 9,435'
Gas Anchor with BP @ 9,483'

4.5" Production Liner

4.5" 13.5# P-110 @ 9,758'-19,341'
4.5" Pre-perf Liner 11.6# J-55 FMD @ 19,341'-19,762'
15 Term Free Capl Water Swelling pkrs spaced evenly
first pkr @ 9,777-9,792'
last pkr @ 19,323-19,338'

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



ID: 19,790' AOD; 10,147' TVD

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



MORNINGSTAR
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-55 surface csg @ 1851'
CMT: circ 500lbs to surface. 11/10/2010

7" Intermediate Casing:

7" mix 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'
35 jts 29# P-110MS @ 9482'
1 marker jt 32# @ 9505' P110MS @ 9505'
9 jts 29# P-110MS @ 9890'
float collar/jc above @ 11,240'
CMT: pumped 324 bbls cmt
TOC @ 4840' CBL 11/23/2010

7" csg TOC @
~4840' CBL

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

4" lined injection tubing
Proposed in Plr Depth ~5036'

Dakota Perfs, PROPOSED

5086-5087; 5088-5089; 5093-5097; 516-
5107; 5119-5134; 5141-5147; 5152-5166;
5183-5188; 5192-5202; 5225-5227 5249-
5250; 5283-5288; 5295-5300; 5306-5308'

TOC @ ~5500'
10 sks cmt on top of CTRP
CTR @ ~5550'

4.5" Production Liner

4.5" 13.5# P-110 @ 9,758'-19,341'
4.5" Pre-perf Liner 11 6# 1-55 FMI @ 19,341'-19,762'
15 Tam Free Capl Water Swelling packers spaced evenly
first pkr @ 9,777-9,792'
last pkr @ 19,323-19,338'

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

Clarks Formation: 8060-8677'
48 sks balanced plug from ~7935-8185' (250)
Class G Cmt W/ 35% silica

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

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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GAS CONSERVATION • BILLINGS

Current Operators within AOR

MorningStar Operating LLC
Particia 41X-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 Beil 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 93023

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
WYLLIE, 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



MORNINGSTAR
OPERATING

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

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MONTANA BOARD OF OIL &
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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

AUSTIN RAU
PO BOX 160058
BIG SKY, MT 59716

KELLY L RAU
12128 CO RD 350
SIDNEY, MT 59270

KENNETH R KLING AND
DIANA KLING 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



MORNINGSTAR
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

MOREENERGY 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
4950 LEXINGTON CIR
LOOMIS, CA 95650

NHPP II FORTUNA ROCKIES LLC
1106 WATTE 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 JELLYSON 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

RETOVA 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 810
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 JT WROS
974 SW 215TH AVE
BEAVERTON, OR 97003

RONALD D KLING
3736 N FRONTAGE RD EAST
MOSES LAKE, WA 98837

ROSE FINK MINERAL TRUST
910 13TH ST
SYDNEY, MT 59270



MORNINGSTAR
OPERATING

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

RECEIVED

JAN 08 2026

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

RYAN BELL
35056 HWY 23
SIDNEY, MT 59270

SANNES FAMILY LIMITED PARTNERSHIP
1623 N TEJON 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 75370-2377

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 UNIVERISTY DR STE 701
FORT WORTH, TX 76107

TAILWIND PARTNERS LP
1320 S UNIVERISTY 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 RIOLO
8665 WATT AVE
ROSEVILLE, CA 95747

TRENTON FREDERICK KINDOPP
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 810
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 THIEL
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's 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





REC-26

JAN 08 2026

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

January 6, 2026

To: Surface owners within $\frac{1}{4}$ 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,

Amy Doebele

Authorized Agent for MorningStar Operating LLC



MORNINGSTAR
OPERATING

NOTARY

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
(123) 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 \$177.10 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, 6 2026

NOTICE ID: XLSPKxgl0mcukAYxQjA

PUBLISHER ID: COL-MT-201981

NOTICE NAME: Thiel 11X-12

Publication Fee: \$177.10

Edmar Corachia

(Signature)

VERIFICATION

State of Florida
County of Orange

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

(Signature)

Notary Public

Notarized remotely online using communication technology via Proof.

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 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 Footages of Surface Location of Proposed Oil and Gas Well; (and projected bottom-hole location, if a directional or horizontal well)

Thiel 11X-12
Surface Hole: 1104' FNL 491' FWL
NWNW Section 12, Township 22 North, Range 59 East
Richland County, MT

3. Source of fluids to be injected

Produced water from Three Forks (Bokkani) wells

4. Zone or formation into which injection will occur, including depth

Dakota/Lakota from 4,989' - 5,461' MD
Plugback depth - 5,550' MD

5. An Aquifer description 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 36.22-1409, 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 underground injection permit for the well or project set forth above. Said meeting will be held at the Montana Board of Oil & Gas Hearing Room at 2535 St. John's Ave. Billings, Montana, beginning at 9:00 am on Thursday, February 12, 2026.

January 6, 2026 COL-MT-201981 MNAKLP



PAMELA BAEZ

Notary Public - State of Florida

Commission # MN 732409

Expires on October 19, 2029



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: dE77jowmHerXGGrdDzH
Publisher ID: SHM000652
Notice Name: Thiel 11X-12

PUBLICATION FEE: \$180.63

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 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 Footages of Surface Location of Proposed Oil and Gas Well:
said proposed bottom-hole location in a directional or horizontal well Thiel 11X-12

Surface Hole: 1104' FNL 491' FWL
R/R/W/ 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' - 5,461' MD
Plugback depth = 5,560' MD

5. An earlier exemption will be requested as part of the application since the proposed injection zone contains water with less than 15,000 ppm total dissolved solids.

Pursuant to Rules 30.22, 14.08, 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 underground injection permit by the well or project set forth above. Said meeting will be held at the Montana Board of Oil & Gas Hearing Room at 2536 St. John's Ave. Billings, Montana, beginning at 9:00 am on Thursday, February 12, 2026.
Date: January 3, 2026
S. Sridharana