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

**State of Montana
Board of Oil and Gas**

**Docket No: TBD
Underground Injection Control
Application**

**Norgaard 6-1H SWD
Section 6, Township 23N, Range 58E**

**White Rock Oil and Gas, LLC
October 15, 2026**

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September 10, 2026

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 Injection Permit
Norgaard 6-1H SWD located in Section 6, Township 23N, Range 58E
Richland County, Montana

Dear Mr. John Gizicki,

Please find enclosed an Underground Injection Control (UIC) application by White Rock Oil and Gas, LLC. requesting an aquifer exemption for the Dakota / Lakota Formations in the well, Norgaard 6-1H SWD, operated by White Rock Oil and Gas, LLC. in Wildcat Richland Field. This well will be drilled and completed while drilling the Norgaard six well pad.

I certify the information contained in this application is, to the best of my knowledge, true and correct, and the work associated with the operation proposed herein will be performed by White Rock Oil and Gas, LLC. in conformity with this application and the terms and conditions under which it is approved.

White Rock Oil and Gas, LLC. is requesting the application be placed on the docket for the MBOGC October 15, 2026 hearing.

If you have any questions concerning the enclosed application, please contact Shawna Bonini, EHS Manager at (406) 690-0068 or via email at sbonini@whiterockog.com.

Sincerely,



Brett Keener
VP Drilling and Infrastructure
White Rock Oil and Gas, LLC.

Russ

FORM NO. 2 R 10/09

ARM 36.22.307, 601, 605,
1003, 1004, 1011, 1013,
1103, 1222, 1240, 1301,
1306, 1309, and 1417

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Submit In Quadruplicate To:

MONTANA BOARD OF OIL AND GAS CONSERVATION
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102

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SUNDRY NOTICES AND REPORT OF WELLS

Operator WHITE ROCK OIL AND GAS, LLC		Lease Name: NORGAARD
Address 5810 TENNYSON PARKWAY, SUITE 500		Type (Private/State/Federal/Tribal/Allotted): PRIVATE
City PLANO	State TX	Zip Code 75024
Telephone 214-981-1400	Fax 214-981-1401	Well Number: 6-1H SWD
Location of well (1/4-1/4 section and footage measurements): SHL: SE1/4 SW1/4, Section 6, 392' FSL, 2413' FWL BHL: NE1/4 SW1/4, Section 6, 2600' FSL, 2400' FWL		Unit Agreement Name: NA
		Field Name or Wildcat: WILDCAT RICHLAND
API Number: 25 083 		Township, Range, and Section: 23N, 58E, SEC 6
Well Type (oil, gas, injection, other): INJECTION		County: RICHLAND
State County	Well	

Indicate below with an X the nature of this notice, report, or other data:

Notice of Intention to Change Plans	☐	Subsequent Report of Mechanical Integrity Test	☐
Notice of Intention to Run Mechanical Integrity Test	☐	Subsequent Report of Stimulation or Treatment	☐
Notice of Intention to Stimulate or to Chemically Treat	☐	Subsequent Report of Perforation or Cementing	☐
Notice of Intention to Perforate or to Cement	☐	Subsequent Report of Well Abandonment	☐
Notice of Intention to Abandon Well	☐	Subsequent Report of Pulled or Altered Casing	☐
Notice of Intention to Pull or Alter Casing	☐	Subsequent Report of Drilling Waste Disposal	☐
Notice of Intention to Change Well Status	☐	Subsequent Report of Production Waste Disposal	☐
Supplemental Well History	☐	Subsequent Report of Change in Well Status	☐
Other (specify) DRILL AND COMPLETE CLASS II	☒	Subsequent Report of Gas Analysis (ARM 36.22.1222)	☐
INJECTION WELL	☐		☐

Describe Proposed or Completed Operations:

Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.

White Rock respectfully requests approval to drill and complete a disposal well at the referenced location for injection of Class II E&P waste. Notice has been provided to parties within 1/4 mile area of review of the proposed location. An application for hearing on the Montana Board of Oil and Gas Conservation docket is requested for October 15, 2026 hearing. UIC application and Aquifer Exemption application are attached to sundry.

White rock requests variance to not run open hole logs on the subject well.

BOARD USE ONLY	
Approved _____	Date _____
_____ Name	_____ Title

The undersigned hereby certifies that the information contained on this application is true and correct:

9/10/2026

Date

Shawna Bonini
Signed (Agent)

SHAWNA BONINI, EHS MGR

Print Name and Title

Telephone: **406-690-0068**

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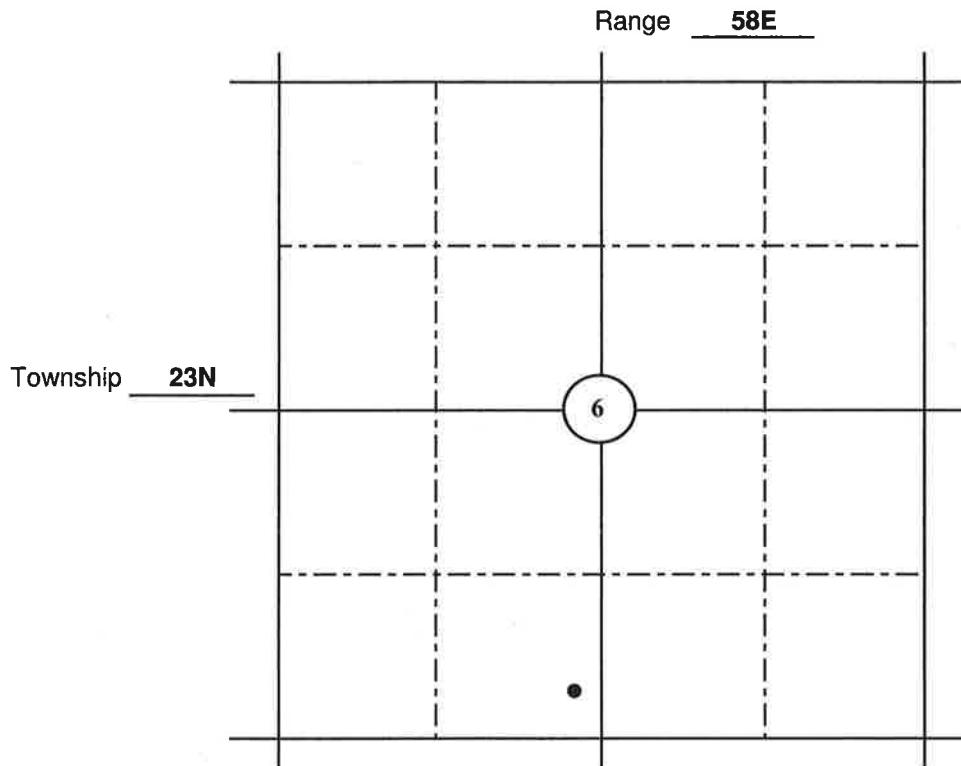
SUPPLEMENTAL INFORMATION

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NOTE: Additional information or attachments may be required by Rule or by special request.

Plot the location of the well or site that is the subject of this notice or report.

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CONDITIONS OF APPROVAL

The operator must comply with the following condition(s) of approval:

Failure to comply with the conditions of approval may void this permit.

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Underground Injection Control (UIC) Permit Application
Norgaard 6-1H SWD Injection

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The following report and justification are submitted in support of the application by White Rock Oil and Gas, LLC. to permit the Norgaard 6-1H SWD for the purpose of water injection into the Dakota/ Lakota formations 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 Norgaard 6-1H SWD well is herein proposed for drilling a new water injection well. This well will be on the same pad as six new horizontal Bakken wells drilled by White Rock Oil & Gas (Norgaard 6-30-1H, Norgaard 6-30-2H, Norgaard 6-30-3H, Norgaard 7-19-4H, Norgaard 7-19-5H, and Norgaard 7-19H-6H). Attachment 1 shows the surface and bottomhole location and a circle of a quarter (1/4) mile radius representing the area of review (AOR) for this well.

Norgaard 6-1H SWD	SHL: 392 ft FSL, 2413 ft FWL BHL: 2600 ft FSL, 2400 ft FWL	SESW, Sec 6, T23N, R58E SESW, Sec 6, T23N, R58E
-------------------	---	--

1(b) Wells within a Quarter Mile (1,320 ft) Area of Review (AOR):

There are not any current wells drilled within ¼ mile AOR. The closest wells to the Norgaard 6-1H SWD are the plugged Dynneson 1 Interlake/ Red River (0.47 miles) and active Dynneson 11X-5 Bakken (0.31 miles) and Norgaard 1 MC/Bakken (0.31 miles) wells outside the AOR.

1(c) Location of all pipelines:

The Norgaard 6-1H SWD surface facilities will be constructed on the same pad as the injection well. Injection fluids will predominately come from the six Norgaard wells drilled on the same pad. Additional injection fluid will be hauled in via trucks.

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

There is one well within the ¼ mile Area of Review (AOR) producing domestic well, John Dynneson. John Dynneson is drilled to a total depth of 110'. The John Dynneson produces from an upper member of the Fort Union, the Tongue River, normally less than 200' from the surface. There are several shallow water wells drilled for cattle watering and for domestic use that appear to be in this zone. White Rock will sample and test the water before and after drilling the Norgaard 6-1H SWD. The closest water quality sample taken recently in these shallow zones is the MSU Ag Research well in Section 2, T23N, R58E. Total dissolved solids for this water well 3.7 miles east of Norgaard 6-1H SWD were 2,133 ppm. See Exhibit 3 for full water analysis.

Underground Sources of Drinking Water (USDW) is defined as an aquifer or its portion which: (1) Supplies any public water system, or (2) Contains a sufficient quantity of ground water to supply a public water system; and (i) Currently supplies drinking water

for human consumption; or (ii) Contains fewer than 10,000 milligrams of total dissolved solids per liter. A review of the area that USDW with a TDS less than 10,000 mg/l may be available to the base of the Fox Hills. The proposed injection zones Lakota and Dakota formations may contain fluids with Total Dissolved Solids (TDS) between 3,000 and 10,000 mg/L. There is data within a 10 miles radius that indicates the TDS will be greater than 10,000 mg/L. Additional information about these zones, potential wells, and ground water protection is detailed in this section. An aquifer exemption was included in the SWD application for the Lakota and Dakota Formations.

Freshwater well data was obtained from the Ground Water Information Center (MBMG Data Center) website <https://mbmggwic.mtech.edu/>. See Exhibit 2. Map of Freshwater Wells. The closest freshwater wells are listed below:

Well Name	Location	Use	Distance from Proposed SWD Lateral	Depth of Well
John Dynneson	Sec 6, T23N, R58E	Domestic	719 ft (0.14 miles)	110 ft
Meadowlark Farms	Sec 6, T23N, R58E	Domestic	2245 ft (0.43 miles)	85 ft
Carl Dynneson	Sec 6, T23N, R58E	Stockwater	2511 ft (0.48 miles)	50 ft
Carl J. Dynneson	Sec 7, T23N, R58E	Stockwater	2522 ft (0.48 miles)	30 ft

The Hell Creek and Fox Hill zones act as potential sources of freshwater. The depth to the Fox Hills-Lower Creek Aquifer is approximately 1,200-1,500' in the area of the Norgaard 6-1H SWD per Depth to the Fox Hills – Lower Hell Creek Aquifer, Lower Yellowstone River Area map by Larry Smith which is part of the GWAA 1-2-03 publication dated 1998. White Rock has drilled a Fox Hills well 44 miles west of Norgaard 6-1H. Candee 1 WSW in Section 35, T25N, R52E lab confirmed total dissolved solids for this water well 44 miles west of Norgaard 6-1H of 1,433 ppm. The most recent water analysis of the nearest water well (MSU Ag Research well) at 3.71 miles is provided in Exhibit 3. Surface casing has been cemented to surface to protect shallower freshwater zones.

Any potential Underground Sources of Drinking Water (USDW) will be protected from the proposed injection zone by surface casing set to 2,000' cemented to surface. The production string, tubing, and an injection packer will result in further isolation of fresh USDW from produced water.

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

The Norgaard 6-1H SWD will be completed for disposal into the Lakota and Dakota formations.

Water quality information for the proposed disposal zones in the immediate area of Norgaard 6-1H SWD is not available. However, a water sample from the Dakota in Verschoot 1-19 SWD located ~24.5 miles west of the proposed disposal site had total dissolved solids of 20,346 mg/L. In addition, the Charlie Creek 8-23 SWD located 19 miles northwest had a TDS in the Lakota of 11,600 mg/L and water from the Dakota had a TDS of 11,500 mg/L. The Dakota and Lakota in the Norgaard 6-1H SWD are expected to be similar. The closest SWD, Velma SWD 1-10H, to the Norgaard 6-1H SWD referenced Beagle SWD and Cundiff 8-22 SWD in the UIC application. The TDS from both of these wells exceeded 10,000 ppm TDS but a full analysis was not in the Velma SWD 1-10H well file. The samples from the Verschoot 1-19 SWD were acquired at the wellhead shortly after the well was recompleted as an injector. The Charlie Creek 8-23 samples were acquired by swabbing each zone. In some areas, the upper Dakota water lies between the 3,000 ppm and 10,000 ppm cutoff. Due to the distance between the Norgaard 6-1H SWD and Dakota/Lakota water samples, White Rock will apply for an aquifer exemption. When the well is completed, swab analysis will be used to confirm the TDS.

Proposed injection zones for the Norgaard 6-1H SWD are as follows:

Formation	Lithology	Top TVD (ft)	Bottom TVD (ft)	Net pay (ft)	Pressure (psi)	Porosity
Dakota	Sandstone	5,359	5,610	20	2,400	12%
Lakota	Sandstone	5,760	5,956	100	2,500	17%

Depth and net pay for each of the proposed injections zones are estimated from the Gamma Ray ran June 6, 2005, on the BR 41-35H 52 (30 miles NW of the proposed Norgaard 6-1H SWD). The porosity is based on the density logs across the zones of interest in the following wellbores: NP 1-33 (38 miles W) and Edeburn 1-2H (35 miles NW). The porosity was derived from the bulk density curve calculated on a sandstone matrix. Formation pressure was estimated using a water gradient of 0.435 psi/ft.

The confining formations for the proposed injection zones are the Skull Creek for the Dakota and the Fuson for the Lakota.

The Jurassic Swift formation is the lower confining layer. It is primarily a transgressive-regressive, clastic, shallow marine deposit composed of dark gray to greenish shales, and slightly calcareous, dark gray to greenish, waxy shales, commonly interbedded with

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glauconitic siltstones and sandstones with occasional carbonate units consisting of sand sized skeletal packstones and grainstones. The upper half of the Swift is mostly shaly, glauconitic siltstones, and sandstones with associated shales. The Swift formation is approximately 446 ft in this area.

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 TVD (ft)	Bottom TVD (ft)
Skull Creek	Shale	5,290	5,359
Fuson	Shale	5,610	5,760
Swift	Shale	5,956	6,402

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 zones to any USDW under any reasonable disposal conditions is considered low.

Proposed injection See Exhibit 4: Cross Section of Dakota/ Lakota, Exhibit 5: Log of Injection Interval, and Exhibit 6: Water Analysis of Injection Intervals.

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

There are no producing wells within the area of review. There will be six producers drilled on the same well pad. These wells are proposed but have not been spudded.

1(g) Open Hole Logs:

The Norgaard 6-1H SWD will be a new drill SWD. The logging program will consist of a CBL/CCL/GR log ran from TD to surface during the completion of the well. Any logs and geologic information for the Norgaard 6-1H SWD will be recorded upon drilling to the MBOGC

1(h) Description of the Wellbore Construction:

Exhibit 7 depicts the proposed wellbore configuration for the Norgaard 6-1H SWD. Perforations will be selected after logs will be run. Exhibit 8 illustrates the plan for completion of the subject well. The Dakota Group perforations will be acidized with 12,000 gallons of 15% HCl using rock salt for diversion with a maximum allowable treating pressure of 5,000 PSIG at the wellhead during stimulations.

The 8-3/4" intermediate section will be drilled vertically and then kick off at approximately 4,850' MD and land in the Dakota at approximately 70 degrees at 5,500' MD. 7-5/8" production casing will be set and cemented in the Dakota injection zone.

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The 70 degree deviated section will continue until total depth is reached to approximately 7,100' MD/ 5,925 ft TVD. 4-1/2" liner will be run to TD and cementing plan is to be determined. There is a possibility that 7-5/8" casing will be run to TD and will be based on hole stability in the curve.

When the well is completed, plastic coated equipment will be used to help mitigate corrosion and the tubing/casing annulus will be filled with packer fluid to protect from corrosion. Pressure gauges will be utilized on both the tubing and the tubing/ casing annulus to monitor pressures. This data will be recorded along with disposal rates and volumes on a daily basis.

1(i) Description of Injection Fluid:

The fluid to be injected will consist entirely of water produced with the Bakken in multiple White Rock wells. Actual injection rates may vary, and volumes will be determined by the capacity of the well to take the fluid and at what injection pressure. Exhibit 8 is the representative water chemistry analysis of the produced Bakken water. No incompatibilities are expected.

Surface injection pressures will not be allowed to exceed a maximum based on the EPA accepted fracture gradient of 0.733 psi/ ft and the following equation.

$$IP_{MAX} = (FG) (D_{Top}) - (SG) (0.433)(D_{Top})$$

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 = 1.18

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

The computed maximum injection pressure would be:

$$IP_{MAX} = (0.733 \text{ psi/ft})(5,359 \text{ ft}) - (1.18)(0.433)(5,359 \text{ ft})$$

$$IP_{MAX} = 1,190 \text{ psi}$$

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 leasehold and surface owners within the area of review for the proposed injection well are listed in Exhibit 9.

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White Rock Oil and Gas, 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 to Surface and Mineral Owners along with an example of the mailed notice is attached in Exhibit 11 and Exhibit 12.

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List of All Exhibits

- | | |
|------------|---|
| Exhibit 1 | Map of General Area with Area of Review (AOR) |
| Exhibit 2 | Map of freshwater wells with Area of Review (AOR) |
| Exhibit 3 | Freshwater sample analysis |
| Exhibit 4 | Geologic Cross Section of the Dakota / Lakota |
| Exhibit 5 | Log of Injection Intervals |
| Exhibit 6 | Water Analysis of Injection Intervals |
| Exhibit 7 | Proposed Wellbore Diagram & Design |
| Exhibit 8 | Completion Overview |
| Exhibit 9 | Bakken Water analysis |
| Exhibit 10 | Surface and Mineral Owner List |
| Exhibit 11 | Notification to Surface and Mineral Owners Letter |
| Exhibit 12 | Affidavit of Notification to Surface and Mineral Owners |

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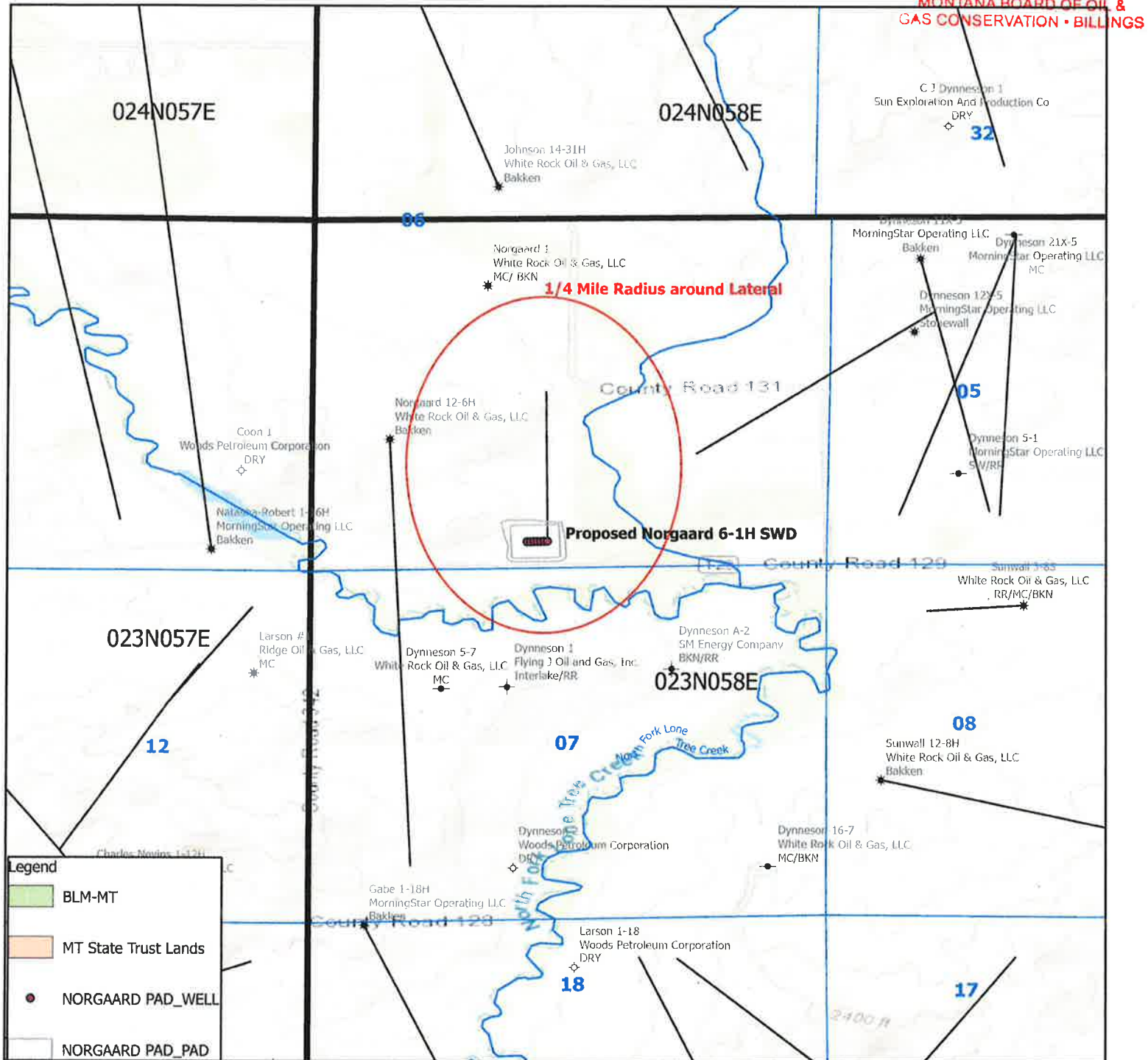
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Exhibit 1. Norgaard 6-1H Area of Review Map

WHITE ROCK OIL & GAS

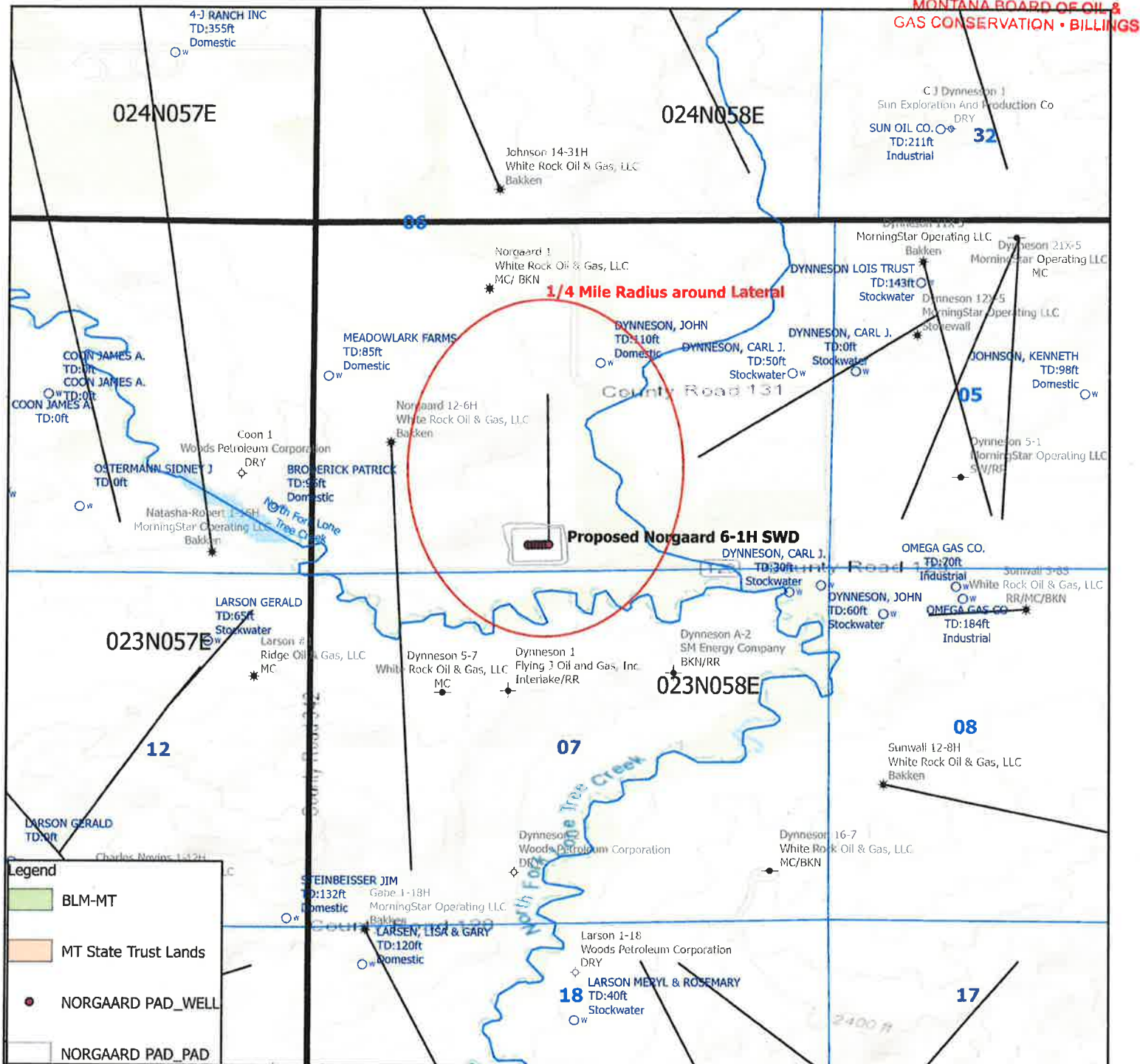


	Norgaard 6-1H SWD API: TBD Lat: 47.777183, Long: -104.325693 SE 1/4 SW 1/4, Section 6, T23N, R58E SHL: 392' FSL, 2413' FWL BHL: 2600' FSL, 2400' FWL	
	Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, USGS, Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA Coordinate System: GCS North American 1983	

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Exhibit 2. Norgaard 6-1H SWD Area of Review Map with water well information.

WHITE ROCK OIL & GAS



Montana North Dakota South Dakota Wyoming Great R Nebraska	Norgaard 6-1H SWD API: TBD Lat: 47.777183, Long: -104.325693 SE 1/4 SW 1/4, Section 6, T23N, R58E SHL: 392' FSL, 2413' FWL BHL: 2600' FSL, 2400' FWL Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, USGS, Bureau of Land Management, Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS Coordinate System: GCS North American 1983	N 0 0.13 0.26 0.51 Miles
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Ground-Water Information Center Water Quality Report

Report Date: 9/9/2026

Site Name: MSU AG RESEARCH

[Compare to Water Quality Standards](#)

Location Information

Sample Id/Site Id: 257125 / 36423
 Location (TRS): 23N 58E 02 CBDC
 Latitude/Longitude: 47° 46' 50" N 104° 14' 45" W
 Datum: NAD83
 Altitude: 2249
 County/State: RICHLAND / MT
 Site Type: WELL
 Geology: 125FRUN
 USGS 7.5' Quad: FAIRVIEW SW
 PWS Id:

Sample Date: 8/26/2023 11:03:00 AM
 Agency/Sampler: MBMG / WOLFRAM, MARK
 Field Number: 36423
 Lab Date: 10/2/2023 1:40:25 PM
 Lab/Analyst: MBMG / TIMMER, JACKIE
 Sample Method/Handling: PUMPED / ru:1 ra:0 fu:2 fa:2
 Procedure Type: DISSOLVED
 Total Depth (ft): 126
 SWL-MP (ft): 27.94
 Depth Water Enters (ft): NR

GWAAMON, GWCP01, NGWMN-
 Project: MONTANA,
 STATHYDROGRAPH

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Major Ion Results

	mg/L	meq/L		mg/L	meq/L
Calcium (Ca)	224.220	11.189	Bicarbonate (HCO ₃)	461.170	7.559
Magnesium (Mg)	171.160	14.085	Carbonate (CO ₃)	0.000	0.000
Sodium (Na)	158.210	6.882	Chloride (Cl)	92.850	2.619
Potassium (K)	12.370	0.316	Sulfate (SO ₄)	1,201.000	25.017
Iron (Fe)	0.310 J	0.000	Nitrate (as N)	21.990	1.570
Manganese (Mn)	<0.010 U	0.000	Fluoride (F)	0.380	0.020
Silica (SiO ₂)	24.520		Orthophosphate (as P)	0.160 J	0.000
Total Cations		32.572	Total Anions		36.785

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Trace Element Results (µg/L)

Aluminum (Al):	<10.000 U	Cesium (Cs):	<0.500 U	Molybdenum (Mo):	2.510	Strontium (Sr):	3,201.980
Antimony (Sb):	<0.500 U	Chromium (Cr):	4.190	Nickel (Ni):	1.080 J	Thallium (Tl):	<0.500 U
Arsenic (As):	4.260	Cobalt (Co):	<0.500 U	Niobium (Nb):	<0.500 U	Thorium (Th):	<0.500 U
Barium (Ba):	42.050	Copper (Cu):	6.670 J	Neodymium (Nd):	<0.500 U	Tin (Sn):	<0.500 U
Beryllium (Be):	<0.500 U	Gallium (Ga):	1.550 J	Palladium (Pd):	2.680	Titanium (Ti):	21.560
Boron (B):	293.640	Lanthanum (La):	<0.500 U	Praseodymium (Pr):	<0.500 U	Tungsten (W):	<0.500 U
Bromide (Br):	654.000	Lead (Pb):	<0.300 U	Rubidium (Rb):	4.500	Uranium (U):	84.370
Cadmium (Cd):	<0.500 U	Lithium (Li):	68.730	Silver (Ag):	9.020	Vanadium (V):	<0.500 U
Cerium (Ce):	<0.500 U	Mercury (Hg):	NR	Selenium (Se):	131.350	Zinc (Zn):	3.270 J
						Zirconium (Zr):	<0.500 U

Field Chemistry and Other Analytical Results

**Total Dissolved Solids (mg/L):	2133.47	Field Hardness as CaCO ₃ (mg/L):	NR	Ammonia (mg/L):	NR
**Sum of Diss. Constituents (mg/L):	2367.38	Hardness as CaCO ₃ :	1264.37	T.P. Hydrocarbons (µg/L):	NR
Field Conductivity (µmhos):	1236	Field Alkalinity as CaCO ₃ (mg/L):	NR	PCP (µg/L):	NR
Lab Conductivity (µmhos):	3296.26	Alkalinity as CaCO ₃ (mg/L):	378.1	Phosphorus, TD (mg/L):	<0.150 U
Field pH:	7.27	Ryznar Stability Index:	5.663	Field Nitrate (mg/L):	15.000
Lab pH:	7.48	Sodium Adsorption Ratio:	1.9334	Field Dissolved O ₂ (mg/L):	2.800
Water Temp (°C):	8.9	Langlier Saturation Index:	0.908	Field Chloride (mg/L):	NR
Air Temp (°C):	21	Nitrite (mg/L as N):	<0.050 U	Field Redox (mV):	-1
Nitrate + Nitrite (mg/L as N)	17.800	Hydroxide (mg/L as OH):	0.000	Lab, Dissolved Organic Carbon (mg/L):	NR
Total Kjeldahl Nitrogen (mg/L as N)	NR	Lab, Dissolved Inorganic Carbon (mg/L):	NR	Lab, Total Organic Carbon (mg/L):	NR
Total Nitrogen (mg/L as N)	NR	Acidity to 4.5 (mg/L CaCO ₃)	NR	Acidity to 8.3 (mg/L CaCO ₃)	NR
As(III) (µg/L)	NR	As(V) (µg/L)	NR	Total Susp Solids (mg/L)	NR

Sample Condition: CLEAR

Field Remarks: EXTENSION CORD FROM WELL TO POWER POLE, RESIDENT HOSE

Lab Remarks:

Notes

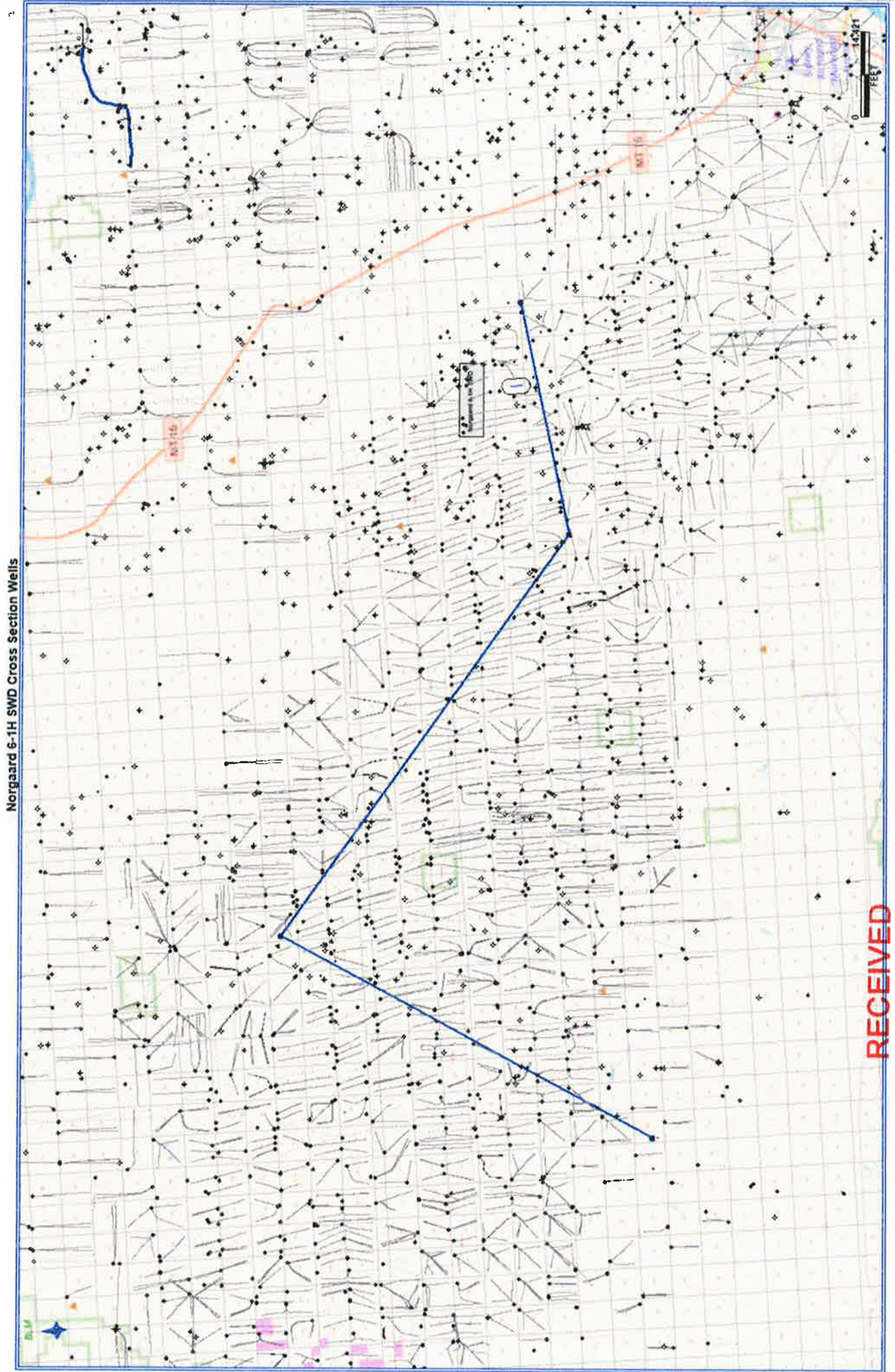
Explanation: mg/L = milligrams per Liter; µg/L = micrograms per Liter; ft = feet; NR = No Reading in GWIC

Qualifiers: J = Estimated quantity above detection limit but below reporting limit; P = Preserved sample; S = Method of standard additions; U = Undetected quantity below detection limit; * = Duplicate analysis not within control limits; ** = Sum of Dissolved Constituents is the sum of major cations (Na, Ca, K, Mg, Mn, Fe) and anions (HCO₃, CO₃, SO₄, Cl, SiO₂, NO₃, F) in mg/L. Total Dissolved Solids is reported as equivalent weight of evaporation residue.

Disclaimer

These data represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted.

Exhibit 4. Norgaard 6-1H SWD Cross Section



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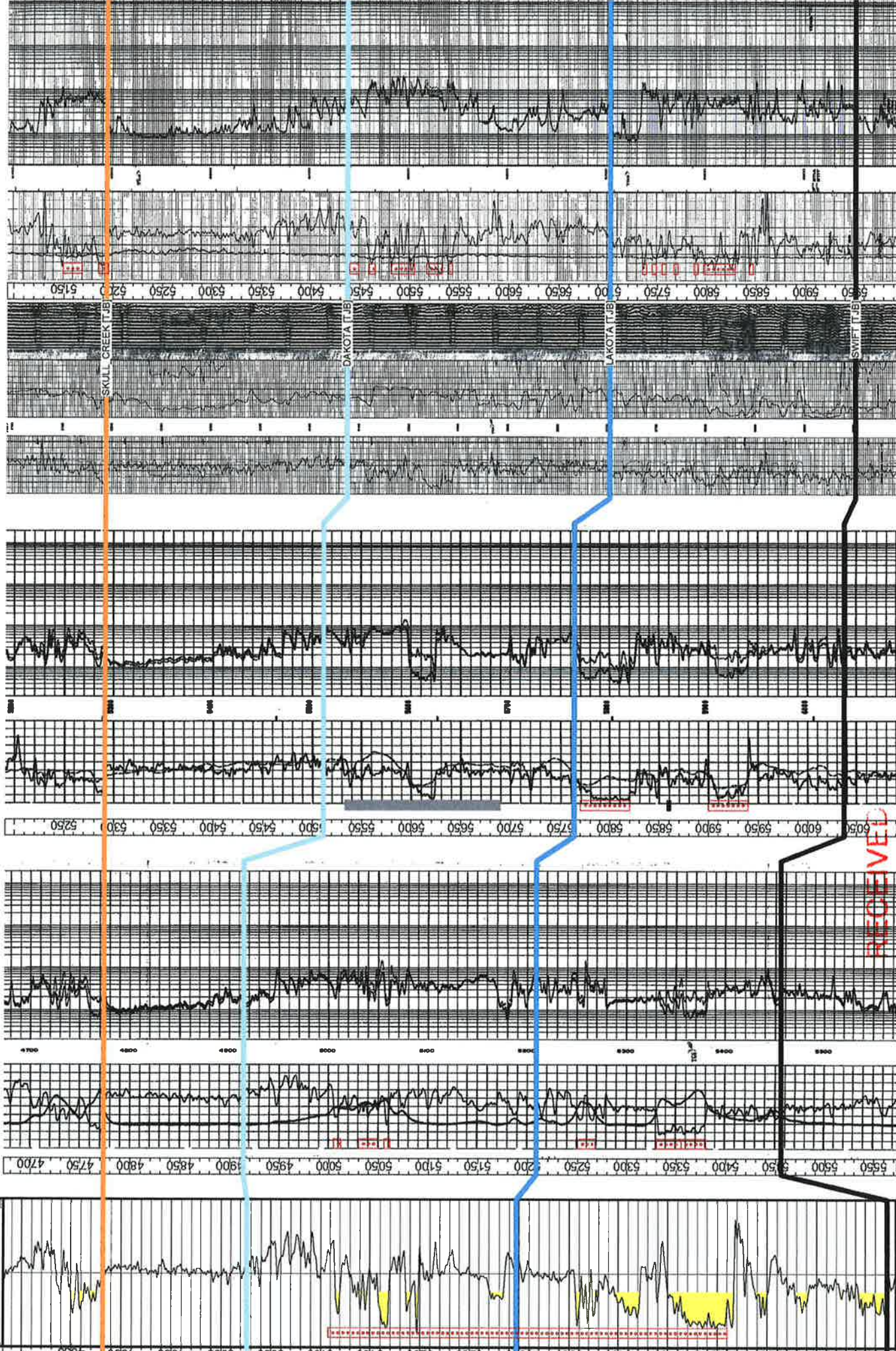
Exhibit 4. Norgaard 6-1H SWD Cross Section Wells

Norgaard 6-1H SWD - Cross Section - Stratigraphic

VERSCHOOT 1-19 SWD (Priv.)
ELEV_KB : 2,495

PUTNAM 1 SWD (WROG)
ELEV_KB : 2,434

Velma SWD 1-10H (COMM.)
ELEV_KB : 2,294



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Exhibit 5: Log of Injection Interval

MONTANA

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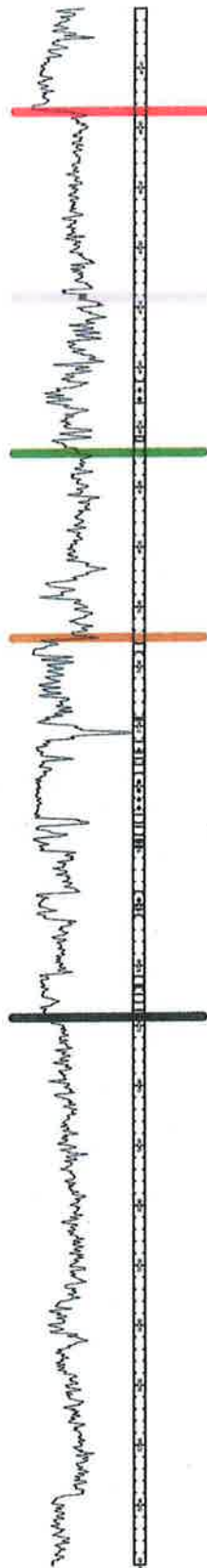
BR 41-35H 52
25083221070000

SEP 10 2026

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Log
Depth(ft)
4500 -
4550 -
4600 -
4650 -
4700 -
4750 -
4800 -
4850 -
4900 -
4950 -
5000 -
5050 -
5100 -
5150 -
5200 -
5250 -
5300 -
5350 -
5400 -
5450 -
5500 -
5550 -
5600 -
5650 -
5700 -
5750 -
5800 -

Log
Depth(ft)
- 4500
- 4550
- 4600
- 4650
- 4700
- 4750
- 4800
- 4850
- 4900
- 4950
- 5000
- 5050
- 5100
- 5150
- 5200
- 5250
- 5300
- 5350
- 5400
- 5450
- 5500
- 5550
- 5600
- 5650
- 5700
- 5750
- 5800



SKULL CREEK

DAKOTA

FUSON

LAKOTA

SWIFT

2,518
2,486

RECEIVED 5300

Exhibit 6: Water Analysis of Injection Interval

SEP 10 2026

ASTRO-CHEM LAB, INC.

4102 2nd Ave. West

Williston, North Dakota 58802-0972

P.O. Box 972

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS
Phone: (701) 572-7355

WATER ANALYSIS REPORT

SAMPLE NUMBER W-12-3802

DATE OF ANALYSIS 5-15-12

COMPANY Slawson

CITY Denver

STATE CO

WELL NAME AND/OR NUMBER Verschoot 1-19 SWD

DATE RECEIVED 5-14-12

DST NUMBER

SAMPLE SOURCE Wellhead

LOCATION OF SEC.

TWN.

RANGE

COUNTY Richland

FORMATION Dakota

DEPTH

DISTRIBUTION Don Smith
Sam Thome

RESISTIVITY @ 77°F = 0.446 Ohm-Meters

pH = 7.13

SPECIFIC GRAVITY @ 77°F = 1.010

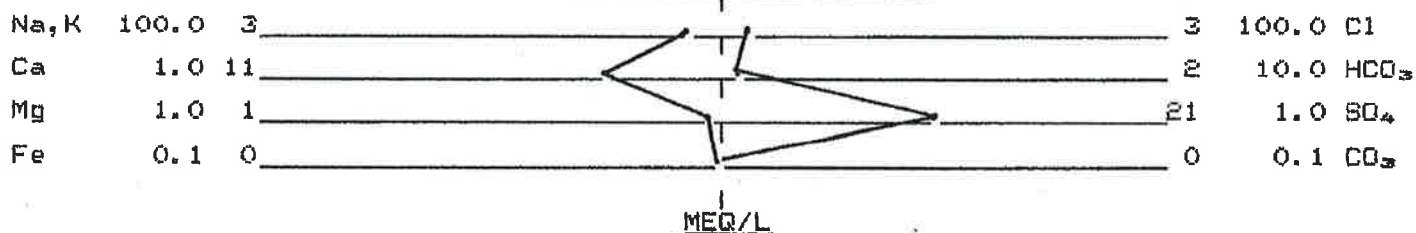
H₂S = Negative

TOTAL DISSOLVED SOLIDS (CALCULATED) = 20346 mg/L (20144 ppm)

SODIUM CHLORIDE (CALCULATED) = 16837 mg/L (16670 ppm)

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	11.0	218	CHLORIDE	288.0	10210
MAGNESIUM	1.0	11	CARBONATE	0.0	0
SODIUM	319.7	7350	BICARBONATE	22.2	1355
IRON	0.0	0.6	SULFATE	20.8	999
CHROMIUM	0.0	0.0	NITRATE	0.1	5
BARIUM	0.0	0.0			
POTASSIUM	4.7	182			
STRONTIUM	0.2	9.0			
ZINC	0.2	5.4			

WATER ANALYSIS PATTERN



REMARKS

ANALYZED BY: C. Jungels



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www.energylab.com

Billings, MT 406.252.6325 • Casper, WY 307.235.0515
Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

**Exhibit 6: Water Analysis of
Injection Interval**

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: White Rock Oil & Gas
Project: Not Indicated
Lab ID: B24082375-001
Client Sample ID: Charlie Creek 8-23-Lakota

Report Date: 08/28/24
Collection Date: 08/18/24
Date Received: 08/23/24
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.7	s.u.	H	0.1		A4500-H B	08/28/24 15:36 / njp
pH Measurement Temp	17.7	°C	H	1.0		A4500-H B	08/28/24 15:36 / njp
Conductivity @ 25 C	18800	umhos/cm		5		A2510 B	08/23/24 13:42 / pmw
Solids, Total Dissolved TDS @ 180 C	11600	mg/L		500		A2540 C	08/23/24 14:10 / bmm

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GAS CONSERVATION • BILLINGS**

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



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Billings, MT 406.252.6325 • Casper, WY 307.235.0515
Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

**Exhibit 6: Water Analysis of
Injection Interval**

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: White Rock Oil & Gas
Project: Drinking Water Contaminants
Lab ID: B24091147-001
Client Sample ID: Charlie Creek GN 8-23

Report Date: 09/17/24
Collection Date: 09/12/24 10:35
Date Received: 09/12/24
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.	H	0.1		A4500-H B	09/13/24 11:40 / njp
pH Measurement Temp	16.7	°C		1.0		A4500-H B	09/13/24 11:40 / njp
Conductivity @ 25 C	15200	umhos/cm		5		A2510 B	09/13/24 11:40 / njp
Solids, Total Dissolved TDS @ 180 C	11500	mg/L		200		A2540 C	09/13/24 12:27 / bmm
NUTRIENTS							
Nitrogen, Nitrite as N	0.02	mg/L		0.01		E353.2	09/12/24 17:34 / krt

RECEIVED

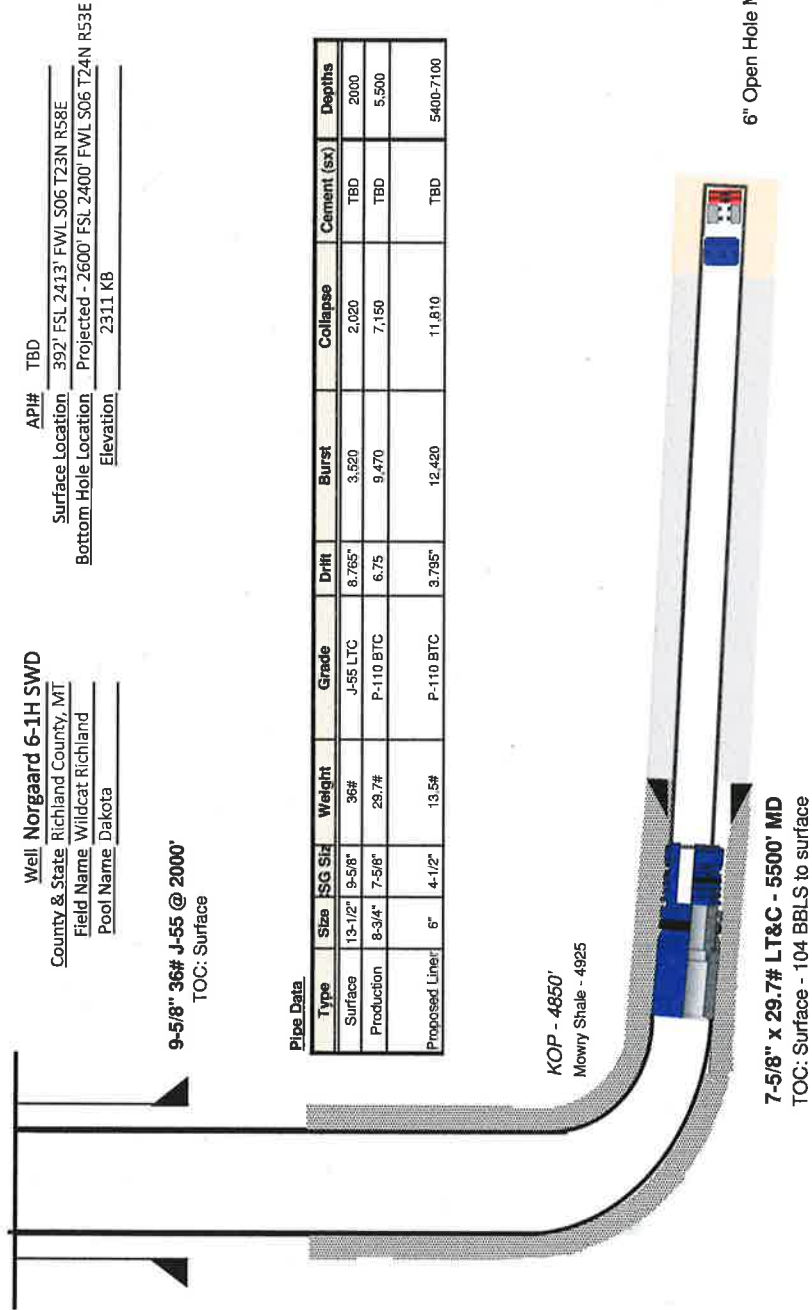
SEP 10 2026

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

Report RL - Analyte Reporting Limit
Definitions: QCL - Quality Control Limit
H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

Exhibit 7. Proposed Completion Wellbore Diagram for Norgaard 6-1H SWD



SEP 10 2026

Exhibit 8. Norgaard 6-1H SWD Completion Overview

Norgaard 6-1H SWD

Richland Co. MT

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Completion Overview

Operational Requirements

- 1) Prior to each major operations, hold pre-job safety/planning meeting (PJSM) with all personnel involved in the operation. Discuss the upcoming operation and safety concerns and solicit feedback from all personnel involved.
- 2) Keep track of daily activities on your Daily Report
- 3) Inspect any tanks prior to filling
- 4) Physically caliper, measure, and photograph ALL tools that enter the wellbore

Complete the Well for Injection

- 1) Contact MBOGC within 24 hours of commencement
- 2) Set and test workover rig anchors
- 3) Move in and rig up workover rig, mud pump, mud tank, power swivel, pipe racks, catwalk, and tanks
- 4) Move in and unload 2-7/8" PH6 workstring onto pipe racks
- 5) Visually inspect before use.
- 6) Install a 7-1/16" 5000 psi BOP with 2-7/8" pipe rams/blind rams and a 5000 psi Washington Head.
- 7) Pick up and go in hole with a used 6" rock bit w/ 2-7/8" work string.
- 8) Trip in hole to Float Collar.
- 9) Circulate hole w/10 ppg brine.
- 10) TOOH. LD first 400'. Stand back rest of string.
- 11) Rig up Wireline and Run CBL to verify cement across and above the Dakota.
- 12) RU Coil Tubing to Perforate the Dakota (all perfs = 1 spf, 72 degree phasing). Pump proppant to jet cut perforations in 4-1/2" Liner. Determine shot depths based off of CBL.
- 13) Trip in hole with 4-1/2" packer on 2-7/8" work string and set packer 5,000' to acidize the perfs.

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Acidize perfs with:

- a. 12,000 gal 15% HCL containing mud cleanout surfactants and 1 ppg rock salt pumped per attached procedure. Ramp treatment pressure up to 10 BPM. Do not exceed tubular burst strength during treatment.
 - b. Follow acid with 400 bbl fresh water at 10 BPM. Displace fresh water with tbg volume of salt water.
 - c. Record ISIP, 5 minute, and 10 minute shut-in pressures. Pump test injection zone at 2-10 BPM. Record injection pressures during injectivity test.
- 14) Swab fluid and obtain representative water sample of Dakota/Lakota to confirm Total Dissolved Solids – Send sample to approved lab.
- 15) Release packer and trip out of hole with 2-7/8" work string. Lay down workstring and packer.
- 16) Trip in hole with 4-1/2" Arrowset 1-X Nickel coated packer and tapered tubing string. Set packer as deep as possible in the curve and displace annulus with 10 ppg brine treated with packer fluid chemical.
- 17) ND BOP/ NU injection wellhead. Test casing-tubing annulus to 1,000 psi with MBOGC inspector as witness. Install permanent pressure gauge on casing-tubing annulus to monitor pressure.
- 18) Rig down and move out workover rig.

**Exhibit 9: Bakken Water Analysis****DownHole SAT(tm)****WATER CHEMISTRY****RECEIVED****SEP 10 2026**

White Rock Oil & Gas

BR 41-33H 52

Treater

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

Report Date: 10-04-2024

Sampled: 09-25-2024 at 0000

Sample #: 0

Sample ID: 24-03634

CATIONS

Calcium (as Ca)	3808
Magnesium (as Mg)	122.00
Barium (as Ba)	11.30
Strontium (as Sr)	120.00
Sodium (as Na)	37500
Potassium (as K)	3250
Lithium (as Li)	0.00
Ammonia (as NH ₃)	0.00
Aluminum (as Al)	0.00
Iron (as Fe)	53.40
Manganese (as Mn)	3.60
Zinc (as Zn)	1.10
Lead (as Pb)	0.00

ANIONS

Chloride (as Cl)	69984
Sulfate (as SO ₄)	348.00
Bromine (as Br)	0.00
Dissolved CO ₂ (as CO ₂)	875.00
Bicarbonate (as HCO ₃)	195.00
Carbonate (as CO ₃)	0.00
Oxalic acid (as C ₂ O ₄)	0.00
Silica (as SiO ₂)	0.00
Phosphate(as PO ₄)	0.00
H ₂ S (as H ₂ S)	0.00
Fluoride (as F)	0.00
Nitrate (as NO ₃)	0.00
Boron (as B)	0.00

PARAMETERS

Calculated T.D.S.(mg/L)	121721
Molar Conductivity(umhos/cm)	135537
Resistivity(megohm-cm)	7.38e-6
Sp.Gr.(g/mL)	1.075
Pressure(psia)	14.70
pCO ₂ (atm)	0.0506
pH ₂ S(atm)	0.00
Temperature (°F)	81.00
pH	6.20

BOUND IONS

	TOTAL	FREE
Calcium	4094	4016
Barium	12.15	12.15
Carbonate	1.93	0.0348
Phosphate	0.00	0.00
Sulfate	374.10	165.58

CORROSION RATE PREDICTION

CO ₂ - H ₂ S Rate(mpy)	0.159
--	-------

FRENCH CREEK SOFTWARE, INC.**1220 VALLEY FORGE ROAD, SUITE 21, VALLEY FORGE, PA 19460**



DownHole SAT(tm)
DEPOSITION POTENTIAL INDICATORS

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SEP 10 2026

White Rock Oil & Gas

BR 41-33H 52

Treater

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

Report Date: 10-04-2024

Sampled: 09-25-2024 at 0000

Sample #: 0

Sample ID: 24-03634

SATURATION RATIO as IAP/Ksp

Calcite (CaCO ₃)	0.70
Aragonite (CaCO ₃)	0.64
Witherite (BaCO ₃)	0.00
Strontianite (SrCO ₃)	0.04
Calcium oxalate (CaC ₂ O ₄)	0.00
Magnesite (MgCO ₃)	0.02
Anhydrite (CaSO ₄)	0.15
Gypsum (CaSO ₄ *2H ₂ O)	0.20
Barite (BaSO ₄)	19.87
Celestite (SrSO ₄)	0.18
Fluorite (CaF ₂)	0.00
Calcium phosphate	0.00
Hydroxyapatite	0.00
Silica (SiO ₂)	0.00
Brucite (Mg(OH) ₂)	< 0.001
Magnesium silicate	0.00
Iron hydroxide (Fe(OH) ₃)	13.10
Strengite (FePO ₄ *2H ₂ O)	0.00
Siderite (FeCO ₃)	9.35
Halite (NaCl)	0.05
Thenardite (Na ₂ SO ₄)	0.00
Iron sulfide (FeS)	0.00

FREE ION MOMENTARY EXCESS (ppm)

Calcite (CaCO ₃)	-0.0250
Aragonite (CaCO ₃)	-0.0323
Witherite (BaCO ₃)	-63.71
Strontianite (SrCO ₃)	-2.32
Calcium oxalate (CaC ₂ O ₄)	-0.0441
Magnesite (MgCO ₃)	-1.98
Anhydrite (CaSO ₄)	-1246
Gypsum (CaSO ₄ *2H ₂ O)	-965.35
Barite (BaSO ₄)	19.55
Celestite (SrSO ₄)	-404.05
Fluorite (CaF ₂)	-11.86
Calcium phosphate	>-0.001
Hydroxyapatite	-988.99
Silica (SiO ₂)	-103.92
Brucite (Mg(OH) ₂)	-2.75
Magnesium silicate	-298.88
Iron hydroxide (Fe(OH) ₃)	< 0.001
Strengite (FePO ₄ *2H ₂ O)	>-0.001
Siderite (FeCO ₃)	0.0601
Halite (NaCl)	-395810
Thenardite (Na ₂ SO ₄)	-225098
Iron sulfide (FeS)	-0.402

SIMPLE INDICES

Langelier	0.151
Ryznar	5.90
Puckorius	0.00
Larson-Skold Index	613.91
Stiff Davis Index	-0.447
Oddo-Tomson	-0.942

CARBONATE PRECIPITATION POTENTIAL (ppm)

Calcite (CaCO ₃)	-81.88
Aragonite (CaCO ₃)	-137.30
Witherite (BaCO ₃)	-268.49
Strontianite (SrCO ₃)	-192.53
Magnesite (MgCO ₃)	-232.41
Siderite (FeCO ₃)	13.45

OPERATING CONDITIONS

Temperature (°F)	81.00
Time(mins)	3.00

FRENCH CREEK SOFTWARE, INC.
1220 VALLEY FORGE ROAD, SUITE 21, VALLEY FORGE, PA 19460

DownHole SAT™ Water Analysis Report



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SEP 10 2026

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

SYSTEM IDENTIFICATION

White Rock Oil & Gas
BR 41-33H 52

Treater

Sample ID#: 0
ID 24-03634

Sample Date: 09-25-2024 at 0000
Report Date: 10-04-2024

WATER CHEMISTRY

CATIONS(mg/L)

Calcium(as Ca)	3808
Magnesium(as Mg)	122.00
Barium(as Ba)	11.30
Strontium(as Sr)	120.00
Sodium(as Na)	37500
Potassium(as K)	3250
Lithium(as Li)	0.00
Iron(as Fe)	53.40
Ammonia(as NH ₃)	0.00
Aluminum(as Al)	0.00
Manganese(as Mn)	3.60
Zinc(as Zn)	1.10
Lead(as Pb)	0.00

ANIONS(mg/L)

Chloride(as Cl)	69984
Sulfate(as SO ₄)	348.00
Bromine(as Br)	0.00
Dissolved CO ₂ (as CO ₂)	875.00
Bicarbonate(as HCO ₃)	195.00
Carbonate(as CO ₃)	0.00
Silica(as SiO ₂)	0.00
Phosphate(as PO ₄)	0.00
H ₂ S (as H ₂ S)	0.00
Fluoride(as F)	0.00
Nitrate(as NO ₃)	0.00
Boron(as B)	0.00

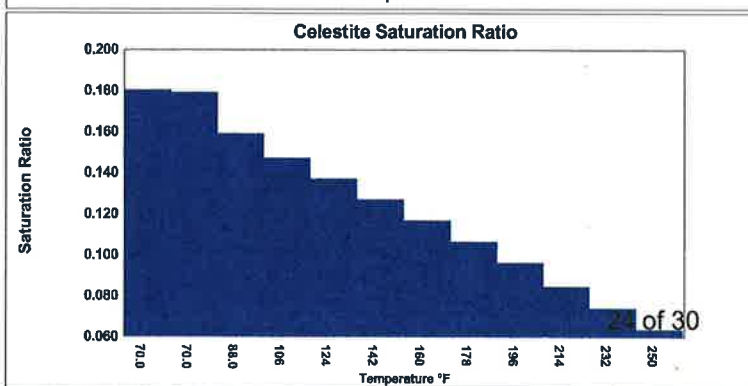
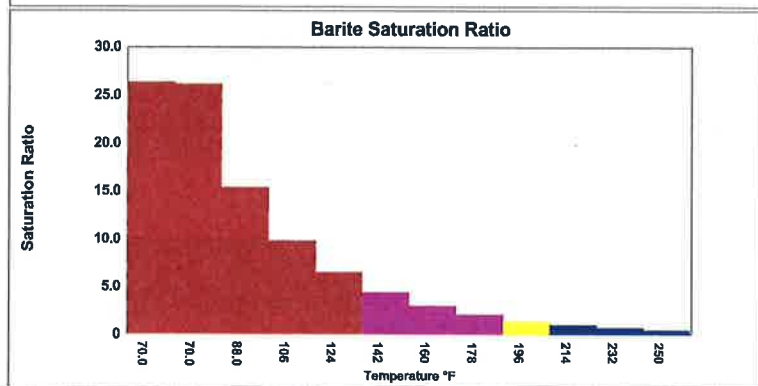
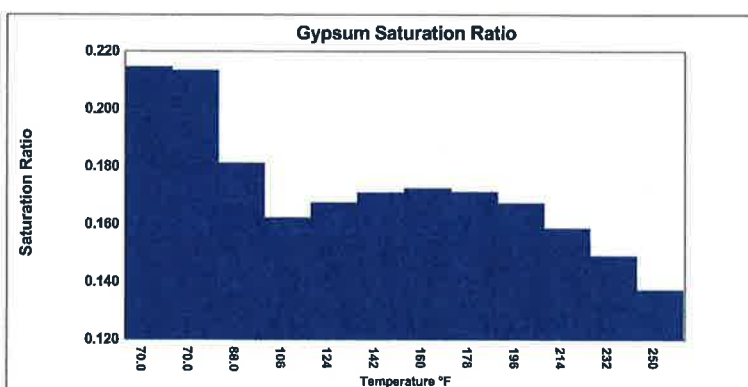
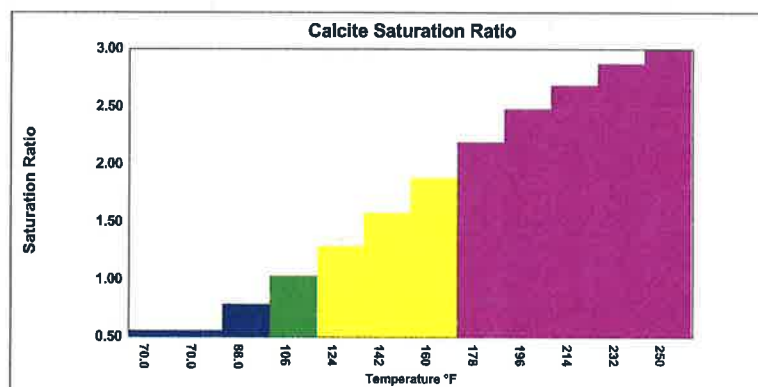
PARAMETERS

Temperature(°F)	81.00	Sample pH	6.20
Conductivity(umhos/cm)	135537	Sp.Gr.(g/mL)	1.075
Resistivity(megohm-cm)	7.38e-6	T.D.S.(mg/L)	121721

SCALE AND CORROSION POTENTIAL

Temp. (°F)	Press. (psia)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackinawite FeS	
70.00	14.70	0.554	-0.0401	0.146	-1270	0.215	-924.15	26.29	19.82	0.180	-400.55	6.85	0.0492	0.00	-0.389
70.00	50.00	0.552	-0.0405	0.145	-1278	0.213	-929.80	26.11	19.81	0.179	-402.58	6.85	0.0493	0.00	-0.389
88.00	545.00	0.783	-0.0187	0.134	-1319	0.181	-1068	15.32	19.23	0.159	-432.68	11.45	0.0714	0.00	-0.411
106.00	1040.00	1.03	0.00221	0.133	-1266	0.162	-1151	9.73	18.41	0.147	-449.47	17.51	0.0933	0.00	-0.436
124.00	1535.00	1.29	0.0236	0.140	-1144	0.167	-1062	6.42	17.26	0.137	-464.68	25.46	0.117	0.00	-0.465
142.00	2030.00	1.58	0.0467	0.155	-979.45	0.171	-996.11	4.31	15.62	0.127	-482.79	35.89	0.143	0.00	-0.499
160.00	2525.00	1.88	0.0717	0.180	-799.34	0.172	-951.96	2.93	13.29	0.117	-504.62	49.18	0.173	0.00	-0.538
178.00	3020.00	2.19	0.0987	0.216	-623.21	0.171	-928.22	2.01	10.03	0.107	-531.21	65.60	0.207	0.00	-0.584
196.00	3515.00	2.48	0.128	0.266	-464.03	0.167	-924.78	1.39	5.47	0.0961	-563.77	85.27	0.246	0.00	-0.638
214.00	4010.00	2.68	0.160	0.330	-340.90	0.158	-973.52	0.943	-1.18	0.0844	-615.38	106.31	0.292	0.00	-0.724
232.00	4505.00	2.87	0.194	0.420	-228.06	0.149	-1020	0.648	-10.14	0.0739	-667.16	130.97	0.341	0.00	-0.807
250.00	5000.00	2.99	0.229	0.540	-138.86	0.137	-1095	0.443	-22.56	0.0635	-731.17	156.92	0.396	0.00	-0.910
		xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L

Saturation Ratios (xSAT) are the ratio of ion activity to solubility, e.g. {Ca}{CO₃}/K_{sp}. pCO₂ (atm) is the partial pressure of CO₂ in the gas phase.
mg/L scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.



DownHole SAT™ Water Analysis Report



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SEP 10 2026

MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

SYSTEM IDENTIFICATION

White Rock Oil & Gas
BR 41-33H 52

Treater

Sample ID#: 0
ID 24-03634

Sample Date: 09-25-2024 at 0000
Report Date: 10-04-2024

WATER CHEMISTRY

CATIONS(mg/L)

Calcium(as Ca)	3808
Magnesium(as Mg)	122.00
Barium(as Ba)	11.30
Strontium(as Sr)	120.00
Sodium(as Na)	37500
Potassium(as K)	3250
Lithium(as Li)	0.00
Iron(as Fe)	53.40
Ammonia(as NH ₃)	0.00
Aluminum(as Al)	0.00
Manganese(as Mn)	3.60
Zinc(as Zn)	1.10
Lead(as Pb)	0.00

ANIONS(mg/L)

Chloride(as Cl)	69984
Sulfate(as SO ₄)	348.00
Bromine(as Br)	0.00
Dissolved CO ₂ (as CO ₂)	875.00
Bicarbonate(as HCO ₃)	195.00
Carbonate(as CO ₃)	0.00
Silica(as SiO ₂)	0.00
Phosphate(as PO ₄)	0.00
H ₂ S (as H ₂ S)	0.00
Fluoride(as F)	0.00
Nitrate(as NO ₃)	0.00
Boron(as B)	0.00

PARAMETERS

Temperature(°F)	81.00	Sample pH	6.20
Conductivity(umhos/cm)	135537	Sp.Gr.(g/mL)	1.075
Resistivity(megohm-cm)	7.38e-6	T.D.S.(mg/L)	121721

SCALE AND CORROSION POTENTIAL

Depth	Temp. (°F)	Press. (psia)	Calcite CaCO ₃		Anhydrite CaSO ₄		Gypsum CaSO ₄ *2H ₂ O		Barite BaSO ₄		Celestite SrSO ₄		Siderite FeCO ₃		Mackinawite FeS	
After Flash	70.0	14.7	0.554	-0.0401	0.146	-1270	0.215	-924.15	26.29	19.82	0.180	-400.55	6.85	0.0492	0.00	-0.389
At Separator	70.0	50.0	0.552	-0.0405	0.145	-1278	0.213	-929.80	26.11	19.81	0.179	-402.58	6.85	0.0493	0.00	-0.389
10	88.0	545.0	0.783	-0.0187	0.134	-1319	0.181	-1068	15.32	19.23	0.159	-432.68	11.45	0.0714	0.00	-0.411
20	106.0	1040	1.03	0.00221	0.133	-1266	0.162	-1151	9.73	18.41	0.147	-449.47	17.51	0.0933	0.00	-0.436
30	124.0	1535	1.29	0.0236	0.140	-1144	0.167	-1062	6.42	17.26	0.137	-464.68	25.46	0.117	0.00	-0.465
40	142.0	2030	1.58	0.0467	0.155	-979.45	0.171	-996.11	4.31	15.62	0.127	-482.79	35.89	0.143	0.00	-0.499
50	160.0	2525	1.88	0.0717	0.180	-799.34	0.172	-951.96	2.93	13.29	0.117	-504.62	49.18	0.173	0.00	-0.538
60	178.0	3020	2.19	0.0987	0.216	-623.21	0.171	-928.22	2.01	10.03	0.107	-531.21	65.60	0.207	0.00	-0.584
70	196.0	3515	2.48	0.128	0.266	-464.03	0.167	-924.78	1.39	5.47	0.0961	-563.77	85.27	0.246	0.00	-0.638
80	214.0	4010	2.68	0.160	0.330	-340.90	0.158	-973.52	0.943	-1.18	0.0844	-615.38	106.31	0.292	0.00	-0.724
90	232.0	4505	2.87	0.194	0.420	-228.06	0.149	-1020	0.648	-10.14	0.0739	-667.16	130.97	0.341	0.00	-0.807
Bottom Hole	250.0	5000	2.99	0.229	0.540	-138.86	0.137	-1095	0.443	-22.56	0.0635	-731.17	156.92	0.396	0.00	-0.910
			xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L	xSAT	mg/L

Saturation Levels (xSAT) are the ratio of ion activity to solubility, e.g. $\{Ca\}\{CO_3\}/K_{sp}$. pCO_2 (atm) is the partial pressure of CO₂ in the gas phase.
mg/L scale is the quantity of precipitation (or dissolution) required to instantaneously bring the water to equilibrium.

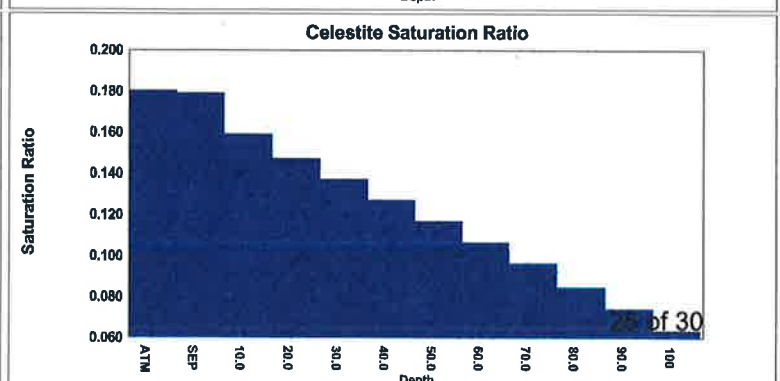
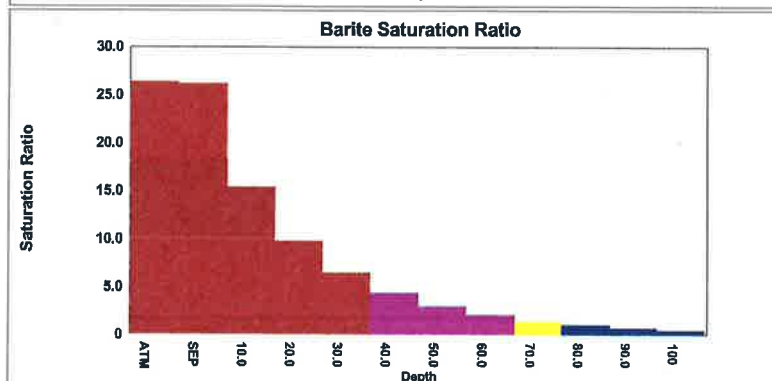
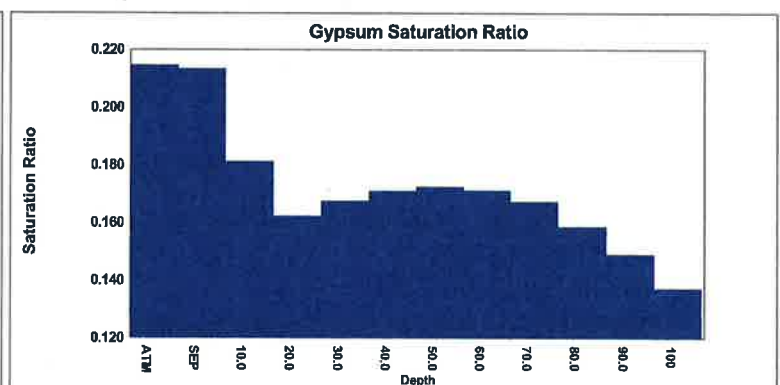
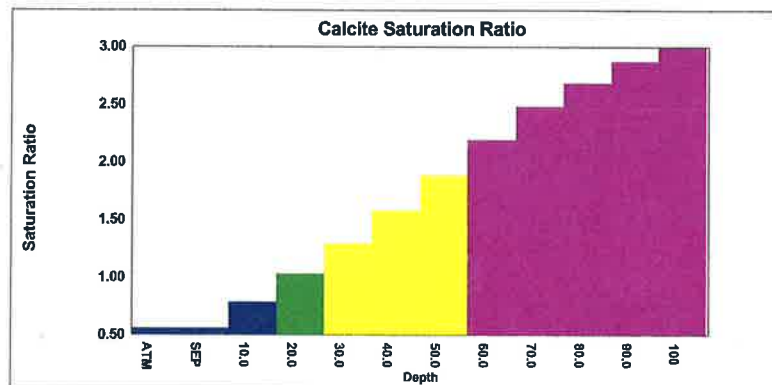


Exhibit 10. Surface and Mineral Owner List

OWNER NAME	ADDRESS LINE 1	ADDRESS LINE 2	CITY	STATE	ZIP
1949 INC NOMINEE CORP	270 ST PAUL ST STE #300		DENVER	CO	80206
ALLEN D SIMONSEN	135 LEGENDS WAY		BILLINGS	MT	59106
ANDREW BYNUM	10565 NE KINGSTON MEADOWS CIR		KINGSTON	WA	98346
AVELINO ENERGY PARTNERS LTD	2365 HARRODSBURG RD STE A110		LEXINGTON	KY	40504
AVEREX INC	PO BOX 7097		DESTIN	FL	32540
BAKKEN PRODUCTION INC	1050 31ST AVE SW STE A		MINOT	ND	58701
BARBARA RAE DYSTE	10507 WHITESTONE RANCH ROAD		BENBROOK	TX	76126
BENNETT INTERESTS LP	PO BOX 507		FATE	TX	75132
BEVERLY J WHITE	MANDY LANDERS & SCOTT FLYNN POA	PO BOX 564	FIARVIEW	MT	59221
BEVO EXPLORATION, LLC	PO BOX 9985		LONGVIEW	TX	75606
BLACK STONE MINERALS COMPANY LP	P O BOX 301267		DALLAS	TX	75303
BRORSON FLATS LP	34245 CR 131		SIDNEY	MT	59270
BRUT PROPERTIES LLC	5969 NEWPORT ST		COMMERCE CITY	CO	80022
CALVIN Z JOHNSON	34172 CR 131		SIDNEY	MT	59270
CARL T DYNNESEN & LINDSEY L DYNNESEN	34275 CR 131		SIDNEY	MT	59270
CAROL MARIE JOHNSON	PO BOX 51224		BILLINGS	MT	59105
CHARLES E DOPPLER	3929 37TH ST NW		MANDAN	ND	58554
CHARLES F NEVINS & MATTHEW J NEVINS	12765 CR 341		SIDNEY	MT	59270
CHELSEY JO TERNES	115 LIBBY RD		LINCOLN	ND	58504
CHERRON G MUNSON NON-EXEMPT MARITAL TRUST	ATTN: CHERRON G MUNSON TTEE	PO BOX 141	DEER HARBOR	WA	98423
CHERYL A COPAS	48 PARKSIDE ALY		DAWSONVILLE	GA	30534
CLOVE HITCH LLC	PO BOX 357		SHERIDAN	WY	82801
COLLEEN BEA JOHNSON	1122 MEADOW BROOK DR		PORTLAND	TX	78374
COLLEEN H RICHMOND FAM TRUST	PO BOX 58082		SALT LAKE CITY	UT	84158
COX MINERALS LLC	PO BOX 2015		BILLINGS	MT	59103
CRAIG L JOHNSON	34174 CR 131		SIDNEY	MT	59270
D5 MINERALS LP	PO BOX 6111		SAN ANTONIO	TX	78209
DAN HEDGER	2735 SHEPPARD-REES RD		KERRVILLE	TX	78028
DARYL & CATHERINE NORGAARD IRREVOCABLE TRUST	MATTHEW R NORGAARD, TRUSTEE	12635 COUNTY ROAD 344	SIDNEY	MT	59270
DARYL W NORGAARD	12605 RD 344		SIDNEY	MT	59270
DAVID GRAUMAN	3642 MCGIRL RD		BILLINGS	MT	59105
DAVID MCMILLEN MINERAL TRUST	314 ROAD 101		SIDNEY	MT	59270
DENISE COLLEEN WEIR REVOCABLE LIVING TR	DENISE COLLEEN WEIR, TRUSTEE	7040 PRESTWICK LN. SW	PORT ORCHARD	WA	98367
DIXIE LAKE ROYALTY LLC	PO BOX 2109		LONGVIEW	TX	75606
DONNA M STROSNIDER	105 SUSAN WAY DR		RICHMOND	KY	40475
DOUGLAS H WILLSON REV TRUST	3085 MILL VISTA RD UNIT 2409		HIGHLANDS RANCH	CO	80129
DUNN FAMILY TRUST FBO SHARON M DUNN	3421 W 2ND AVE		SPOKANE	WA	99224
E LYNNELL STROTHMAN	2931 TYLER PKWY		BISMARCK	ND	58503
EARLJODY CRANSTON OIL AND GAS LLC	701 DAHLIA		DENVER	CO	80220
EJ KUNKEL ROYALTY LLC	COMPASS ROYALTY MGMT LLC AIF	PO BO 660279	DALLAS	TX	75266
ELIZABETH J LIPPMANN ESSIG - DEC'D	PO BOX 1786		FORT MYER	VA	22211
EVELYN KWOK KAN	1324 LOS ARBOLES AVE		SUNNYVALE	CA	94087
FORD CLARY	8334 20TH AVE NW		SEATTLE	WA	98117
FRIENDSHIP OIL LLC	1324 LOS ARBOLES AVE		SUNNYVALE	CA	94087
GARNER FAMILY LLC	401 MCELROY DR #2429		OXFORD	MS	38655
GASTONE OIL COMPANY	PO BOX 17203		SAN ANTONIO	TX	45217
GENEVIEVE LI - DEC'D	224 E 7TH ST APT #10		NEW YORK	NY	10009
GEORGE B AND DORIS M SWENSON	303 4TH AVE SE		SIDNEY	MT	59270
GEORGE C MATSON III	PO BOX 20074		OKLAHOMA CITY	OK	73156
GGR OIL LP	ATTN: REON ROSKI	13191 CROSSROADS PKWY N SIXTH FLOOR	CITY OF INDUSTRY	CA	91746
GORDON WG KERN ESTATE	52 MARIAN AVE		PITTSFIELD	MA	1201
GREGORY A BUXBAUM	12263 CR 349R		SIDNEY	MT	59270
GREGORY D MATSON	26 BRIARWOOD WAY		BELMONT	CA	94002
HARLAN D SIMONSEN	39553 RANGEVIEW DR		SEVERANCE	CO	80610
HEADINGTON ROYALTY INC	1501 N HARDIN BLVD, STE 100		MCKINNEY	TX	75071
HEFNER COMPANY INC	PO BOX 2177		OKLAHOMA CITY	OK	73101
HELEN DUNN LIFE ESTATE REMAINDERMAN	12515 N FAIRWOOD DR UNIT 12		SPOKANE	WA	99218
HOEFLE FAMILY PARTNERSHIP	742 PARK LN		BILLINGS	MT	59102
INLAND OIL & GAS CORPORATION	PO BOX 1313		BISMARCK	ND	58502
JACK ALAN PRATHER REVOCABLE TRUST	PO BOX 808		MCKINNEY	TX	75070
JAMES E & CHERYL A BROWN LVNG TST	JAMES E BROWN&CHERYL A BROWN TTEES	3737 POLY DR	BILLINGS	MT	59102
JD PARADIGM LLC	23558 E MINERAL PL		AURORA	CO	80016
JERRY MCMILLEN	314 ROAD 101		SIDNEY	MT	59270
JODY A KAPPEL	810 SOUTH CENTRAL AVE		SIDNEY	MT	59270
JODY K HERK	5031 SAFFRON CT		FORT COLLINS	CO	80525
JOE HALVORSEN IRREVOCABLE TRUST	C/O FIRST STATE BANK & TRUST	PO BOX 1827	WILLISTON	ND	58802
JOHN DYNNESEN	34245 CR 131		SIDNEY	MT	59270
JOHN R LIPPMANN	PO BOX 2908		NORMAN	OK	73070
JOSEPH MATTHEW MAYER ESTATE	12554 LOCUST WAY		THORNTON	CO	80602
JULIE ANN MCKEE TRUST	JULIE ANN MCKEE, TRUSTEE	1805 N 14TH ST	BROKEN ARROW	OK	74012
JULIE JIMISON TRUST	MARK L. NEU, TRUSTEE	PO BOX 202	FAIRVIEW	MT	59221
KALEB M DASINGER	PO BOX 77		SIDNEY	MT	59270
KAREN SHERWOOD	250 PANTOPS MOUNTAIN RD APT 233		CHARLOTTESVILLE	VA	22911
KARI L CLARK	3601 S JESSE JAMES DR		SIOUX FALLS	SD	57103
KATHLEEN GRAUMAN	76 VISTA DEL MAR STREET		CRAMANO ISLAND	WA	98282

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OWNER NAME	ADDRESS LINE 1	ADDRESS LINE 2	CITY	STATE	ZIP
KATY TRENTHAM	5411 118TH AVE SE		BELLEEVUE	WA	98006
KERSHAW PUTNAM LLC	PO BOX 20588		OKLAHOMA CITY	OK	73156
KEVIN WESTLEY SHELLEY	2543 WOOD HOLLOW WAY		BOUNTIFUL	UT	84010
KIRBY L DASINGER	PO BOX 77		SIDNEY	MT	59270
KIRKLAND AND MEGAN ALLWEIN	17605 ANTON CT		PARKER	CO	80134
KNAFF LIVING TRUST DTD 2/12/2013	TIMOTHY J KNAFF & NAOMI J KNAFF, TTEES	1406 MANCOS DR	LOVELAND	CO	80538
KNAPP OIL CORPORATION	PO BOX 786		SIDNEY	MT	59270
KYLE MCMILLEN	12868 CR 338		SIDNEY	MT	59270
LC JACKSON MANAGEMENT LLC	3912 DELANEY FERRY RD		VERSAILLES	KY	40383
LEAN DOG LIMITED PARTNERSHIP NO. 1	PO BOX 25203		DALLAS	TX	75225
LEO THOMAS DOPPLER AND	5412 SUPERIOR DR		BISMARCK	ND	58503
LEWIS REV FAMILY TRUST OF 9/21/07	2101 WINDJAMMER WAY		ROWLETT	TX	75088
LIBBY H CLARY	5350 BURNET RD APT #417		AUSTIN	TX	78756
LINDA S OCONNOR	118 8TH AVE NW		SIDNEY	MT	59270
LINDA S. O'CONNOR FAMILY MINERAL TRUST	LINDA S O'CONNOR, TRUSTEE	1702 W 23RD ST	LOVELAND	CO	80538
LISA F JACOBS	3421 W 2ND AVE		SPOKANE	WA	99224
LISA L GOEBEL TRUST	LISA L GOEBEL, TRUSTEE	202 S. 13TH STREET	MUSKOGEE	OK	74401
LORI B HORN FAMILY MINERAL TRUST	LORI B HORN, TRUSTEE	1702 WEST 23RD ST	LOVELAND	CO	80538
LOUIS DORFMAN	8080 N CENTRAL EXPY ST 1700		DALLAS	TX	75206
LOWER YELLOWSTONE RURAL ELECTRIC ASSOCIATION	PO BOX 1049		SIDNEY	MT	59270
LYNN SIMONSEN	3032 WESTERN BLUFFS BLVD		BILLINGS	MT	59106
MARGARET SAILER - DEC'D	201 14TH ST NW		MANDAN	ND	58554
MARK L. NEU	PO BOX 202		FAIRVIEW	MT	59221
MARTHA SORENSON	10570 SE 73RD TER		BELLEVIEW	FL	34420
MARY MIDGE LIPPMANN	1210 JEANNIE LANE CT		MUSKOGEE	OK	74403
MELISSA MCLEOD	445 PRESCOTT LN		WEST FARGO	ND	58078
MHB PROPERTIES	PO BOX 637		SEDALIA	CO	80135
MITCHELL MINERALS LLC	PO BOX 8		HASKELL	OK	74436
MONTANA SUNFLOWER, LLC	7900 OAK ST		ARVADA	CO	80005
MORGAN RAJCEVICH	#2 ROSE LANE		FULTON	IL	61252
MORNINGSTAR OPERATING LLC	400 WEST 7TH ST		FORT WORTH	TX	76102
MR OIL & GAS LLC	6500 GREENVILLE AVE STE 110		DALLAS	TX	75206
MURFIN INC	345 NORTH RIVERVIEW ST STE 200		WICHITA	KS	67203
NANCY H GRAHAM REVOCABLE TRUST	318 W GROVE RD		HUDSON	WI	54016
NATIONAL FUEL LLC	PO BOX 4892		PARKER	CO	80134
NHPP II FORTUNA ROCKIES LLC	1106 WITTE ROAD SUITE 400		HOUSTON	TX	77055
NHPP V FORTUNA ROCKIES LLC	1106 WITTE RD STE 400		HOUSTON	TX	77055
NINA K KELLER	529 7TH AVE NE		SIDNEY	MT	59270
NOBLE ROY ACCESS FUND VII LP	PO BOX 660082		DALLAS	TX	75266
NOBLE ROY ACCESS FUND VIII LP	PO BOX 660082		DALLAS	TX	75266
NORTHEAST MONTANA LLP	ATTN: PROSPECTOR OIL INC	PO BOX 1577	BILLINGS	MT	59103
PATRICIA C GRIFFITH	7109 SHIPP RD		ROWLETT	TX	75088
PATRICK A LIPPMANN REV TRUST	PATRICK A LIPPMANN TRUSTEE	PO BOX 592238	SAN ANTONIO	TX	78259
PAUL C. NEU TRUST	MARK L. NEU, TRUSTEE	PO BOX 202	FAIRVIEW	MT	59221
PETROLEUM INCORPORATED	300 W DOUGLAS STE 1050		WICHITA	KS	67202
PHOENIX ENERGY ONE LLC	18575 JAMBOREE RD STE 830		IRVINE	CA	92612
RAGAN PETROLEUM INC	PO BOX 7097		DESTIN	FL	32540
RAMONA JACOBSON	419 HAYES AVE		HELENA	MT	59601
RANDALL L GRIFFITH	7712 W RIVERSIDE DR		CASPER	WY	82604
REBECCA K. GARZA FAMILY MINERAL TRUST	REBECCA K. GARZA, TRUSTEE	721 WEST MAIN ST	SIDNEY	MT	59270
REDAG ENERGY LLC	19711 IVORY BROOK DR		HOUSTON	TX	77094
RITA HOCH	35448 COUNTY ROAD 131		FAIRVIEW	MT	59221
ROBERT E KERSHAW ROYALTY CO INC	PO BOX 10		NEW ELLENTON	SC	29809
ROBERT MAYER	1001 13TH ST		INTERNATIONAL FALLS	MN	56649
ROGER A JOHNSON MINERAL TRUST	PO BOX 454		FAIRVIEW	MT	59221
RONALD CROSBY EXEMPT TRUST	1700 PACIFIC AVE STE 1200		DALLAS	TX	75201
RUSSEL J LARSON	PO BOX 402		COOLVILLE	OH	45723
RUSSELL L JOHNSON	1015 7TH AVE SW APT 300		SIDNEY	MT	59270
SABINE HOLDINGS LP	CARTHAGE MANAGEMENT GENERAL PARTNER	PO BOX 2109	LONGVIEW	TX	75601
SARA SCOTT	8423 137TH ST CT EAST		PUYALLUP	WA	98373
SD RESOURCES LTD	C/O OIL & GAS SERVICE CENTER	1200 ABINGTON EXECUTIVE PARK	CLARKS SUMMIT	PA	18411
SHERRAN PETROLEUM LLC	PO BOX 35		GUFFEY	CO	80820
STACEY L SMITH	90 LANDER LANE		BERRYVILLE	VA	22611
STEVE C GRIFFITH	615 17TH ST		GALVESTON	TX	77550
STEVEN G SHADDOCK	925 ST ANDREWS LN		LOUISVILLE	CO	80027
STONESTREET FAMILY TRUST	4460 S SNOWMASS CT		MILLCREEK	UT	84124
SUE MILES CHAMLEE ENERGY LLC	C/O JENNIE BAYLESS	3642 140TH AVE NE	HAM LAKE	MN	55304
SUNDHEIM OIL CORPORATION	PO BOX 230		CROSBY	ND	58730
SUSAN BYNUM	703 CALLAHAN DR APT #222		BREMERTON	WA	98310
SWENSON FAMILY TRUST	40 CLAREMONT ST APT #1004		KALISPELL	MT	59901
T BAR OIL AND GAS LTD	PO BOX 247		CRESTED BUTTE	CO	81224
T&D BLACK GOLD OIL LLC	2804 PRINCETON AVE		MIDLAND	TX	79701
TERRI R ZADOW	1675 W HOLLY ST		SIDNEY	MT	59270
THE ARNOLD AND LOLA HANSEN FAMILY TRUST	HEATHER JOHNSON, TRUSTEE	207 2ND AVE. NW	SIDNEY	MT	59270
THE H & S DRILLING COMPANY	PO BOX 701620		TULSA	OK	74170

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OWNER NAME	ADDRESS LINE 1	ADDRESS LINE 2	CITY	STATE	ZIP
THRIVENT CHARITABLE IMPACT & INVESTING	600 PORTLAND AVE S, STE 4100		MINNEAPOLIS	MN	55415
TIMOTHY COLLINS & SHEILA COLLINS TRUST	SHEILA & TIMOTHY COLLINS, CO-TRUSTEES	9 ROLLING OAKS DRIVE	ENID	OK	73703
TIMOTHY H. NEU - DEC'D	PO BOX 118		FAIRVIEW	MT	59221
TJF LLC AGENCY	1 N JEFFERSON AVE		SAINT LOUIS	MO	63103
TONYA BOGGS	4786 SUMMITOP LN NE		MARIETTA	GA	30066
TRANS WESTERN PETROLEUM INC	PO BOX 276		GOLDEN	CO	80402
TRES PRIMO PARTNERS LLC	PO BOX 1938		ROSWELL	NM	88202
TROY H CLARY	1615 SE YUKON ST		PORTLAND	OR	97202
TUCKER GARNER O&G LLC	7256 HOLLY HILL DR		MERCER ISLAND	WA	98040
TWCJ LLC	ATTN: CRAIG WATTERS MANAGING MEMBER	PO BOX 296	LOUISVILLE	CO	80027
TYSON PROPERTIES LLC	PO BOX 3786		MIDLAND	TX	79702
UINTA PETROLEUM INC	PO BOX 1208		LARAMIE	WY	82073
URSULA K POWELL	3900 W WADSWORTH STE 495		DENVER	CO	80235
VIOLET R COON	34249 CR 129		SIDNEY	MT	59270
VIOLET R COON & WESTEN LYLE COON	34249 CR 129		SIDNEY	MT	59270
VIRGINIA R NOWLIN REV TRUST 1	181 WEST MADISON 35TH FLOOR		CHICAGO	IL	60602
WILDCARD FAMILY LIMITED PARTNERSHIP	1700 PACIFIC AVE SUITE 1200		DALLAS	TX	75201
YGGDRASIL MINERALS LLC	2055 SUMMIT DR		SHERIDAN	WY	82801
YOUNGER PARTNERS, LTD	PO BOX 11004		MIDLAND	TX	79702
ZKB PROPERTIES LLC	6300 E HAMPDEN AVE #C-367		DENVER	CO	80222
ZONA L MOWRER	PO BOX 48		RAMSAY	MT	59748

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

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

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

APPLICATION OF WHITE ROCK OIL AND GAS, LLC FOR
AN UNDERGROUND INJECTION CONTROL (UIC)
PERMIT FOR THE NORGAARD 1H SWD WELL, WITH A
SHL OF 392' FSL, 2413' FWL, AND BHL OF 2600' FSL,
2400' FWL, SECTION 6, T23N, R58E, FOR THE
PURPOSE OF SALTWATER DISPOSAL WITHIN THE ELM
COULEE FIELD.

NOTICE OF APPLICATION FOR UIC PERMIT FOR
INJECTION WELL

DATE: SEPTEMBER 9, 2026

TO: Current operators, lease owners of nonoperated leases, mineral owners of nonoperated
leases, and surface owners within the area of review listed in UIC Application

RE Application for Underground Injection Permit

Ladies and Gentlemen,

WHITE ROCK OIL & GAS, LLC at 5810 Tennyson Parkway, Suite 500, Plano, TX 75024, has applied for a permit to drill the Norgaard 1H SWD well with a SHL of 392' FSL, 2413' FWL, and a BHL of 2600' FSL, 2400' FWL, Section 6, T23N, R58E, Richland County, MT for the purpose of a saltwater disposal well. This letter is being sent in accordance with the Montana Board of Oil and Gas Conservation, Underground Injection Control Rules of Montana (ARM), Title 36, Chapter 22. You have been identified as a current operator, lease owner of nonoperated lease, mineral owner of nonoperated lease, and/or surface owner.

The application will be heard by the Montana Board of Oil and Gas Conservation at its October 15, 2026, hearing beginning at 9:00 AM in the Montana Board of Oil and Gas Hearing Room at 2535 St. John's Avenue, Billings, Montana. A copy of the complete application is on file with the Montana Board of Oil and Gas Conservation, 2535 St. John's Avenue, Billings, MT, 59102. If you have any questions concerning the application, please contact Brad Hall, Operations Engineer, White Rock Oil and Gas, LLC, 5810 Tennyson Parkway, Suite 500, Plano, TX 75024.

Sincerely,

WHITE ROCK OIL & GAS, LLC



Eric Linthicum
Regulatory Manager
White Rock Oil and Gas, LLC
5810 Tennyson Parkway, Suite 500
Plano, TX 75024
Office: 214-981-1400
elinthicum@whiterockog.com

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BEFORE THE BOARD OF OIL AND GAS CONSERVATION
OF THE STATE OF MONTANAMONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

APPLICATION OF WHITE ROCK OIL AND GAS, LLC
FOR AN UNDERGROUND INJECTION CONTROL
(UIC) PERMIT FOR THE NORGAARD 1H SWD WELL,
WITH A SHL OF 392' FSL, 2413' FWL, AND BHL OF
2600' FSL, 2400' FWL, SECTION 6, T23N, R58E, FOR
THE PURPOSE OF SALTWATER DISPOSAL WITHIN
THE ELM COULEE FIELD.

AFFIDAVIT OF NOTIFICATION

DATE: SEPTEMBER 9, 2026

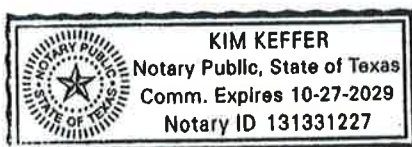
STATE OF TEXAS)
) SS.
COUNTY OF COLLIN)

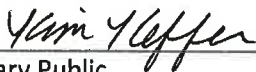
Stuart Rowlan, being duly sworn, deposes, and says:

That notice advising of WHITE ROCK OIL AND GAS, LLC's application for UIC Permit in the captioned matter, in the form attached in Exhibit 11 was mailed to the current operators, lease owners of nonoperated leases, mineral owners of nonoperated leases, and surface owners within the area of review at the addresses shown in Exhibit 10 attached, by mailing a true copy thereof this 9th day of September, 2026, postage prepaid, First Class Mail. This Affidavit is given as evidence of compliance with ARM 36.22.1410.


 Stuart Rowlan

STATE OF TEXAS)
) SS.
COUNTY OF COLLIN)

Subscribed and sworn to before me this 9th day of September 2026.


 Notary Public
 State of Texas
 My Commission Expires

10/27/29

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS



September 10, 2026

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
Norgaard 6-1H SWD located in Section 6, Township 23N, Range 58E
Richland County, Montana

Dear Mr. John Gizicki,

Please accept the Aquifer Exemption Request to supplement White Rock Oil and Gas, LLC. Norgaard 6-1H SWD Disposal Application for the October 15, 2026, Montana Board of Oil and Gas hearing.

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). There is swab analysis from the Dakota Formation outside the area of review that indicates the TDS is greater than 10,000 ppm. The Lakota noted as Lower Dakota in the water analysis provided swabbed higher than 10,000 ppm TDS. 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 or location 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 associated with larger streams and the Yellowstone River and the Upper Cretaceous Fox Hills Hell Creek sandstone aquifer. Neither of these would be affected by injection of the proposed location. There is (1) water well producing within the one quarter mile area of review. There (5) water wells producing within an expanded ½ view around the injection well. There are no water supply wells penetrating the Dakota formation within ½ mile area surrounding the Norgaard 6-1H SWD 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

SEP 10 2026

MONTANA BOARD OF OIL &
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casing and cement. To supplement information on the depth of possible freshwater zones, the Applicant references Montana Bureau of Mines and Geology reports on groundwater throughout the area. Underground Sources of Drinking Water (USDW) having TDS of less than 1600 mg/liter area available to the base of the Fox Hills at a depth of 1400 to 1600 ft. Per the Montana Bureau of Mines and Geology Montana Ground Water Assessment Atlas No from February 1997, Revision 2 Dec 21, 1998, estimates the Base of the Fox Hills at approximately 1200-1500 ft. See attached document Exhibit 5A.

Dakota is not used as a USDW in this area due to the existence of shallower freshwater aquifers. As a comparison to and based on recent drilling performance from A-1 Drilling in Laurel, MT, the cost to drill to 1,500 ft water well to the Fox Hills including the pump is approximately \$425,000. A water well company would need to contract to a drilling rig company to drill a Dakota/ Lakota well due to the depth limitations of water well drilling rigs. Based on White Rock drilling data, the cost to drill a well to 6,000 ft Dakota/ Lakota well and complete the zone would be approximately \$1,397,000. Therefore, the applicant estimates the cost of drilling a well into the Dakota and Lakota formations to be over three times the cost of drilling a well to the Fox Hills. Additionally, the cost of treating the Dakota and Lakota waters would greatly exceed the cost of treating the Fox Hills water. See Exhibit 6A.

- 1) Descriptive Data – Plat Map showing boundaries of the exempted aquifer. The Environmental Protection Agency (EPA), in UIC guidance 34, defined the minimum data set needed for aquifer exemptions; these will include at least all oil and gas boreholes within the area, all public and private water wells within the area and at least ¼ mile beyond the boundary any existing wellhead protection areas, and the locations of all relevant water samples.

- There are nine wells within the ½ mile radius of the proposed Norgaard 6-1H SWD. (4) Oil and Gas wells and (5) water wells
 - 1) Norgaard 12-6H: Active oil and gas well operated by White Rock Oil & Gas. Producing from the Middle Bakken. Lateral is within area of review of Norgaard 6-1H lateral. Production at approximately 10,400' TVD.
 - 2) Norgaard 1: Active oil & gas well operated by White Rock Oil & Gas. Producing from the Middle Bakken and Mission Canyon. Shallowest production zone at 9,092' TVD.
 - 3) Dynneson 11X-5: Active oil & gas well operated by White Rock Oil & Gas. Producing from the Middle Bakken. Lateral is within area of review of Norgaard 6-1H lateral. Production at approximately 10,400' TVD.
 - 4) Dynneson 1: Plugged Interlake/ Red River producer. Shallowest production zone 11,500' TVD.
 - 5) Meadowlark Farms well: Freshwater well drilled to 85' producing from the upper Member of the Fort Union, the Tongue River, normally less than 200' from surface. Water from this zone is predominantly used for cattle watering and domestic purposes.

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- 6) Patrick Broderick well: Freshwater well drilled to 95' producing from the upper Member of the Fort Union, the Tongue River, normally less than 200' from surface. Water from this zone is predominantly used for cattle watering and domestic purposes.
 - 7) John Dynneson well: Freshwater well drilled to 110' producing from the upper Member of the Fort Union, the Tongue River, normally less than 200' from surface. Water from this zone is predominantly used for cattle watering and domestic purposes.
 - 8) Carl J Dynneson well: Freshwater well drilled to 50' producing from the upper Member of the Fort Union, the Tongue River, normally less than 200' from surface. Water from this zone is predominantly used for cattle watering and domestic purposes.
 - 9) Carl J Dynneson well: Freshwater well drilled to 30' producing from the upper Member of the Fort Union, the Tongue River, normally less than 200' from surface. Water from this zone is predominantly used for cattle watering and domestic purposes.
- There are not any water samples within the ½ mile radius. The water sample for the Dakota/Lakota is shown in Exhibit 4A.
 - See Exhibit 1A for a map of water wells and producing wells.
- 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 Norgaard 6-1H SWD will be completed for disposal into the Lakota and Dakota formations. See Exhibit 2A: Cross Section of Dakota/ Lakota and Exhibit 3A: Log of Injection Interval.

Water quality information for the proposed disposal zones in the immediate area of Norgaard 6-1H SWD is not available. However, a water sample from the Dakota in Verschoot 1-19 SWD located approximately 24.5 miles west of the proposed disposal site had total dissolved solids of 20,346 mg/L. In addition, the Charlie Creek 8-23 SWD located 19 miles northwest had a TDS in the Lakota of 11,600 mg/L and water from the Dakota had a TDS of 11,500 mg/L. The Dakota and Lakota in the Norgaard 6-1H SWD are expected to be similar. The closest SWD, Velma SWD 1-10H, to the Norgaard 6-1H SWD referenced Beagle SWD and Cundiff 8-22 SWD in the UIC application. The TDS from both of these wells exceeded 10,000 ppm TDS but a full analysis was not in the Velma SWD 1-10H well file. The samples from the Verschoot 1-19 SWD were acquired at the wellhead shortly after the well was recompleted as an injector. The Charlie Creek 8-23 samples were acquired by swabbing each zone. A swab test will confirm that TDS at

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the Norgaard 6-1H SWD and an aquifer exemption is being submitted since water quality data is outside an acceptable sample range for the Norgaard 6-1H SWD.

Proposed injection zones for the Norgaard 6-1H SWD are as follows:

Formation	Lithology	Top TVD (ft)	Bottom TVD (ft)	Net pay (ft)	Pressure (psi)	Porosity
Dakota	Sandstone	5,359	5,610	20	2,400	12%
Lakota	Sandstone	5,760	5,956	100	2,500	17%

Depth and net pay for each of the proposed injections zones are estimated from the Gamma Ray ran June 6, 2005, on the BR 41-35H 52 (30 miles NW of the proposed Norgaard 6-1H SWD). The porosity is based on the density logs across the zones of interest in the following wellbores: NP 1-33 (38 miles W) and Edeburn 1-2H (35 miles NW). The porosity was derived from the bulk density curve calculated on a sandstone matrix. Formation pressure was estimated using a water gradient of 0.435 psi/ft.

The confining formations for the proposed injection zones are the Skull Creek for the Dakota and the Fuson for the Lakota.

The Jurassic Swift formation is the lower confining layer. It is primarily a transgressive-regressive, clastic, shallow marine deposit composed of dark gray to greenish shales, and slightly calcareous, dark gray to greenish, waxy shales, commonly interbedded with glauconitic siltstones and sandstones with occasional carbonate units consisting of sand sized skeletal packstones and grainstones. The upper half of the Swift is mostly shaly, glauconitic siltstones, and sandstones with associated shales. The Swift formation is approximately 446 ft in this area.

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 TVD (ft)	Bottom TVD (ft)
Skull Creek	Shale	5,290	5,359
Fuson	Shale	5,610	5,760
Swift	Shale	5,956	6,402

Considering the vertical distance to any USDW and the maximum feasible injection rate

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that could occur, the likelihood of a fracture extending from the proposed disposal zones to any USDW under any reasonable disposal conditions is considered low.

- 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)

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

Where:

r = radius of the exempted area, in feet (usually 1320')

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

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

$$\text{Dakota: } (3.14) (1320)^2 (20) (0.12) / 5.63 = 2.332 \times 10^6$$

$$\text{Lakota: } (3.14) (1320)^2 (100) (0.17) / 5.63 = 1.652 \times 10^7$$

$$\text{Total } 1.885 \times 10^7 \text{ bbls}$$

t = time, in days	
Q = Injection rate, cubic feet per day	
Minimum Injection Rate	0 BWPD
Average Injection Rate	2800 BWPD
Maximum Injection Rate	12000 BWPD
<u>Radius of Emplaced Fluid</u>	
Net Thickness	120 FT
Injection Period (20 Years)	7,300 DAYS
Injection Rate	81.7 GPM
Injection Rate	2,800 BWPD
Injection Rate	15,722 FT ³ /Day
Average Porosity	17%
Radius Emplaced Fluid	1,338 FT
Radius Emplaced Fluid	0.25 miles

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

- There is a swab water sample from a well ~19 miles northwest of the Norgaard 6-1H SWD for the Charlie Creek 8-23. In addition, Slawson (now operated by Caliper North) wellhead analysis of the Verschoot 1-19 SWD indicates a TDS of 20,346 ppm. See Exhibit 4B for the swab results of the water samples from Charlie Creek 8-23 SWD and Verschoot 1-19 SWD. The water sample location is shown on Exhibit 4A map.

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

Sincerely,



Shawna Bonini, PE

EHS Manager

406-690-0068

sbonini@whiterockog.com

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Exhibit 1A: Quarter mile area of review (AOR)
with expanded 1/4 mile beyond AOR

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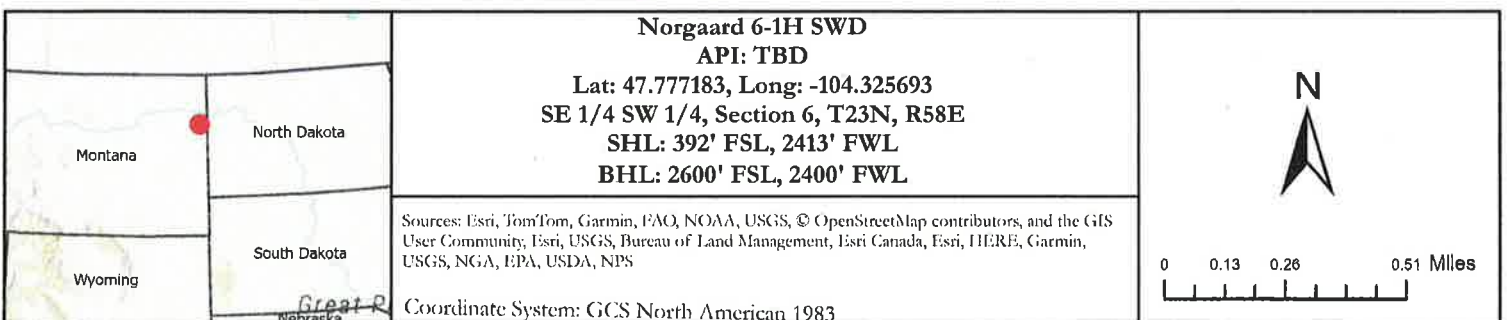
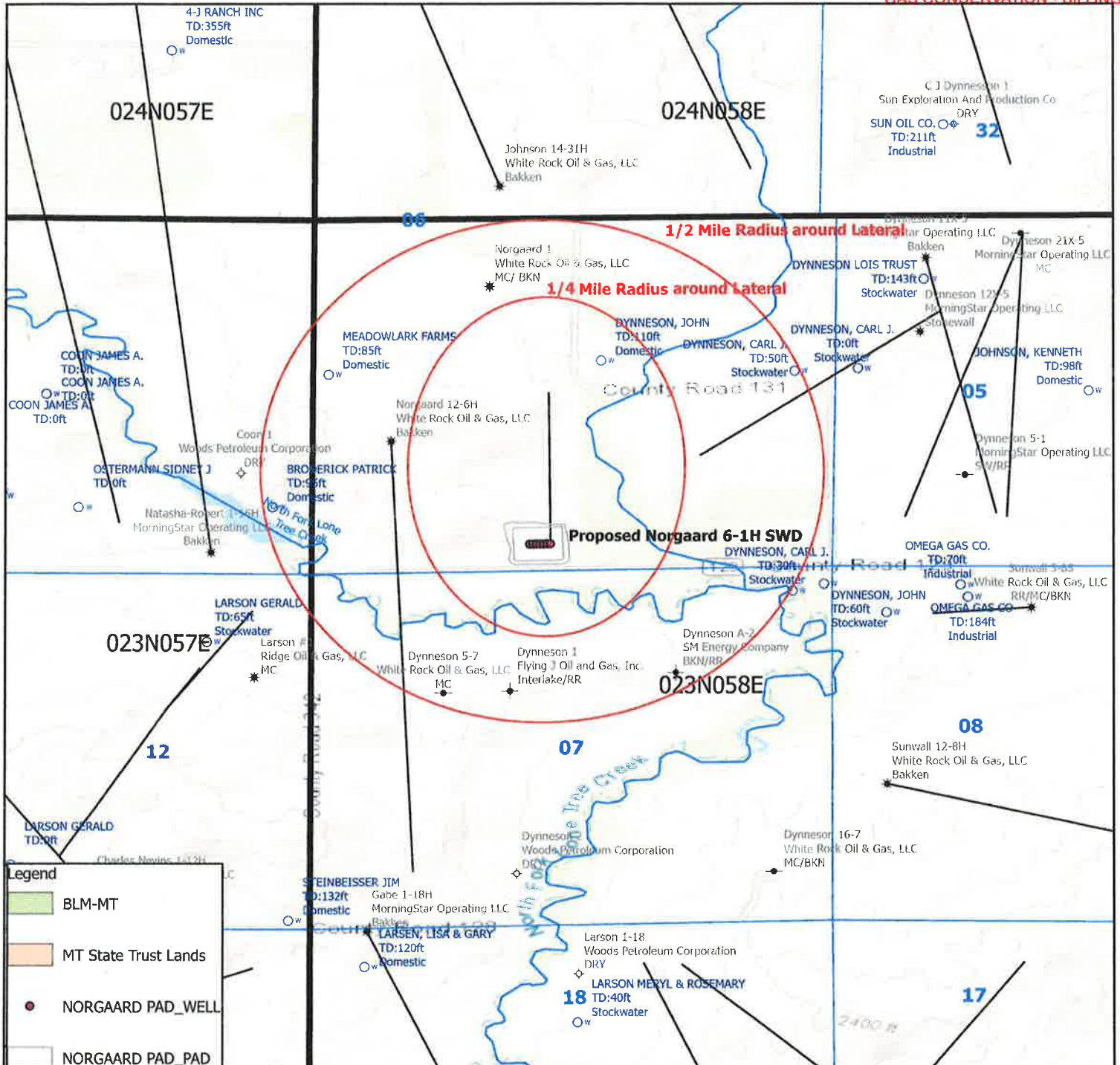
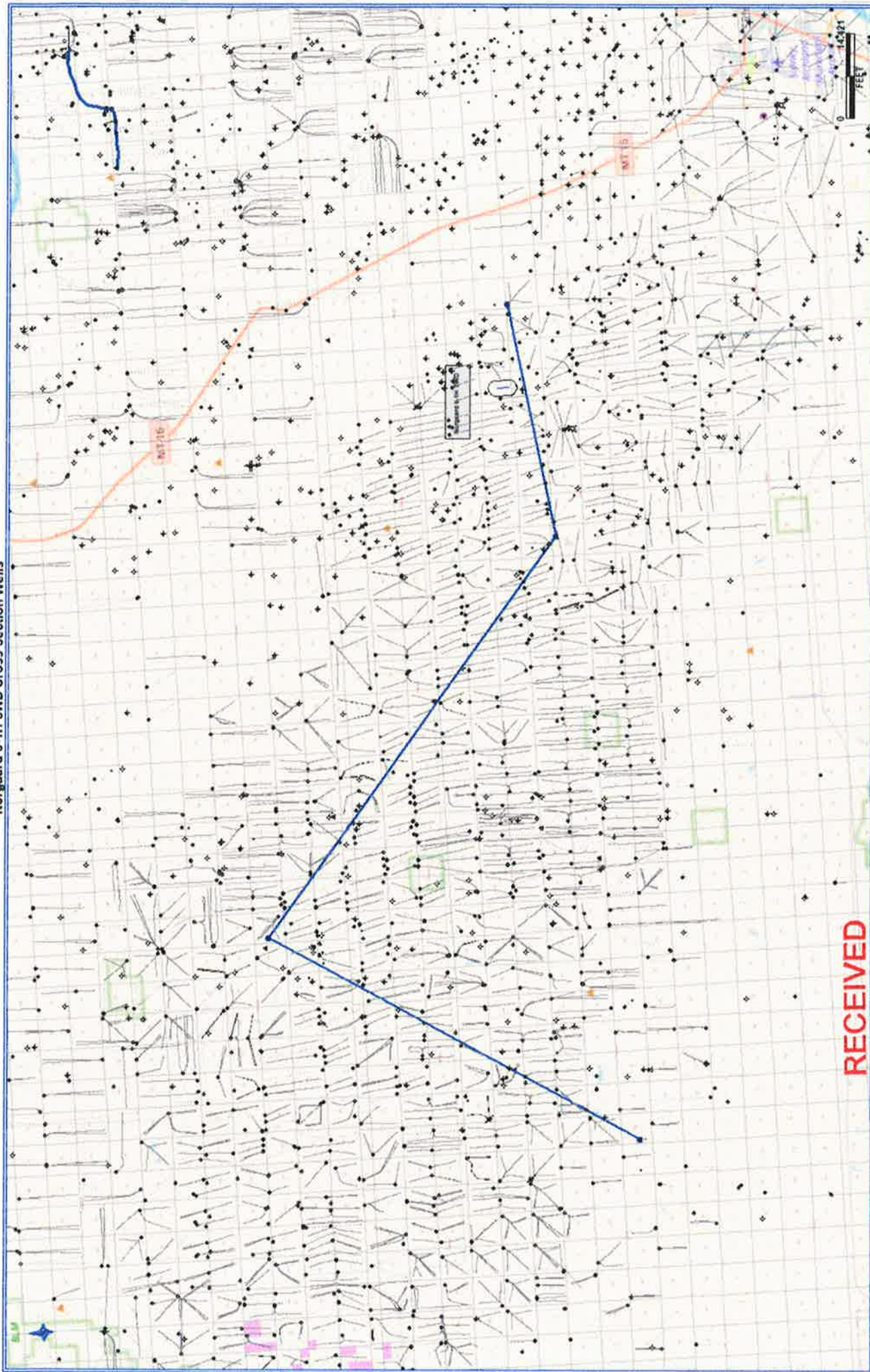


Exhibit 2A. Norgaard 6-1H SWD Cross Section

Norgaard 6-1H SWD Cross Section Wells



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Exhibit 2A, Norgaard 6-1H SWD Cross Section Wells

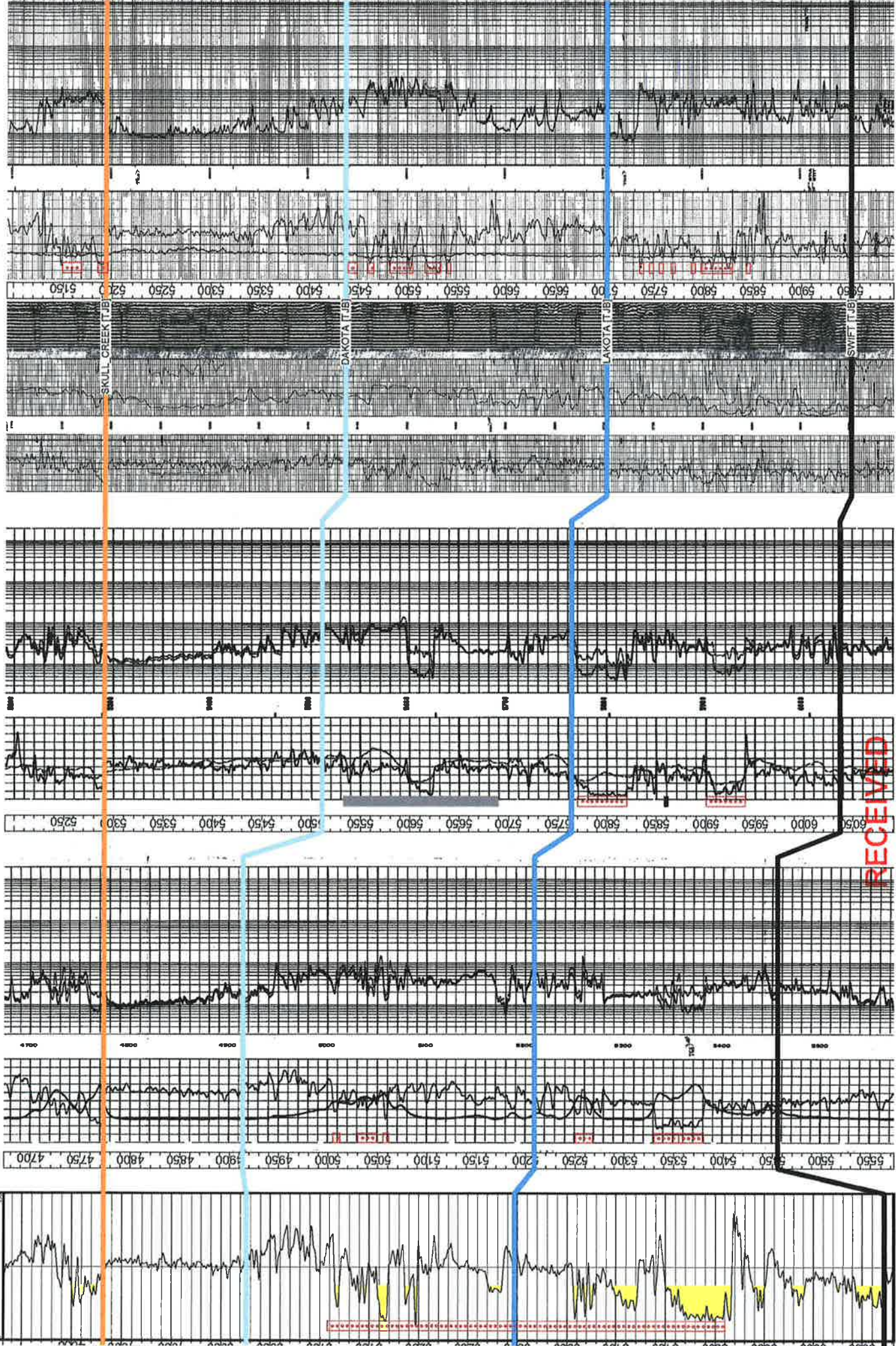
VERSCHOOT 1-19 SWD (Priv.)
ELEV_KB: 2,406

EDEBURN 5-24 SWD (WROG)
ELEV_KB: 2,363

PUTNAM 1 SWD (WROG)
ELEV_KB: 2,434

Norgaard 6-1H SWD - Cross Section - Stratigraphic

Velma SWD 1-10H (COMM.)
ELEV_KB: 2,294



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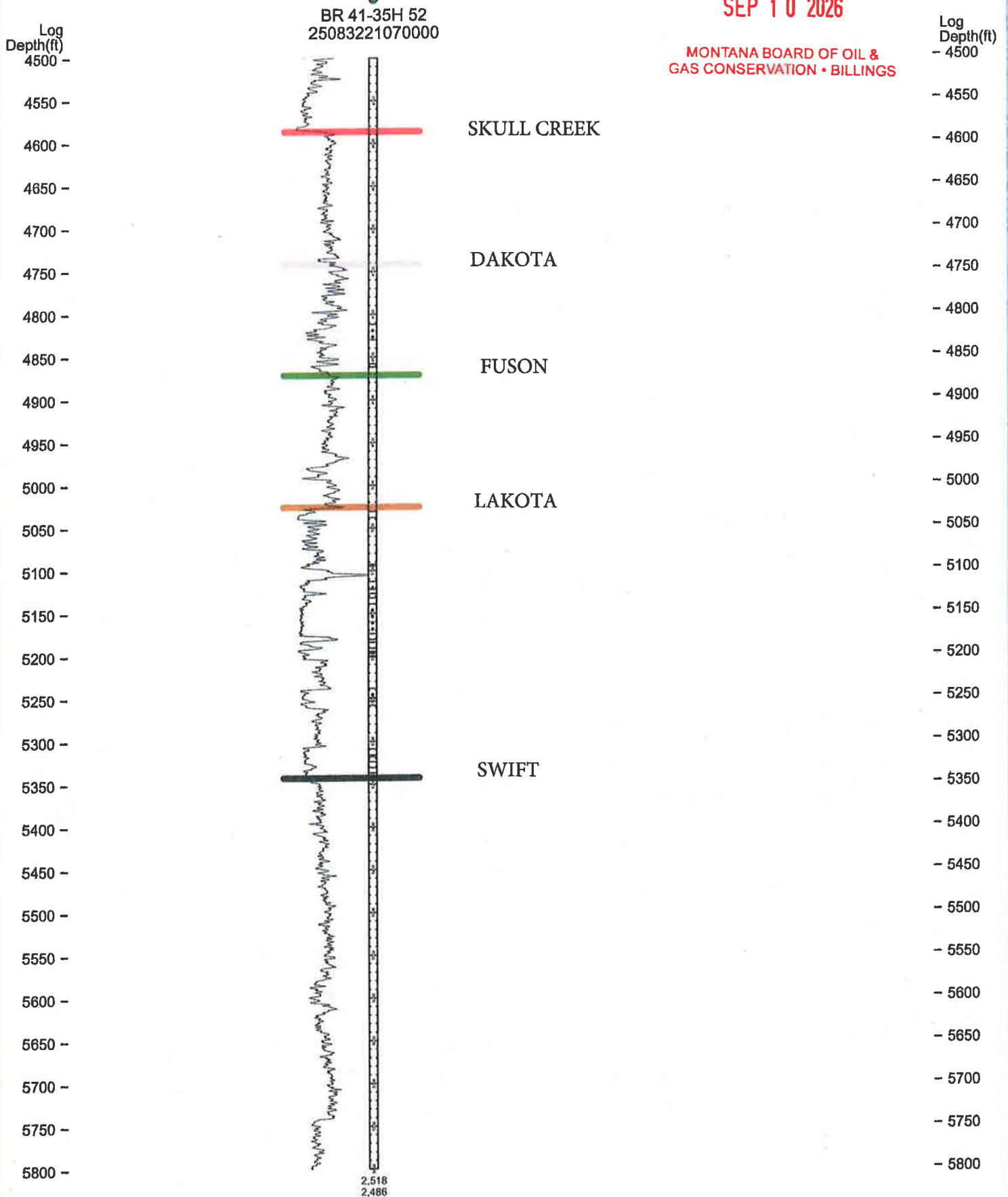
Exhibit 3A: Log of Injection Interval

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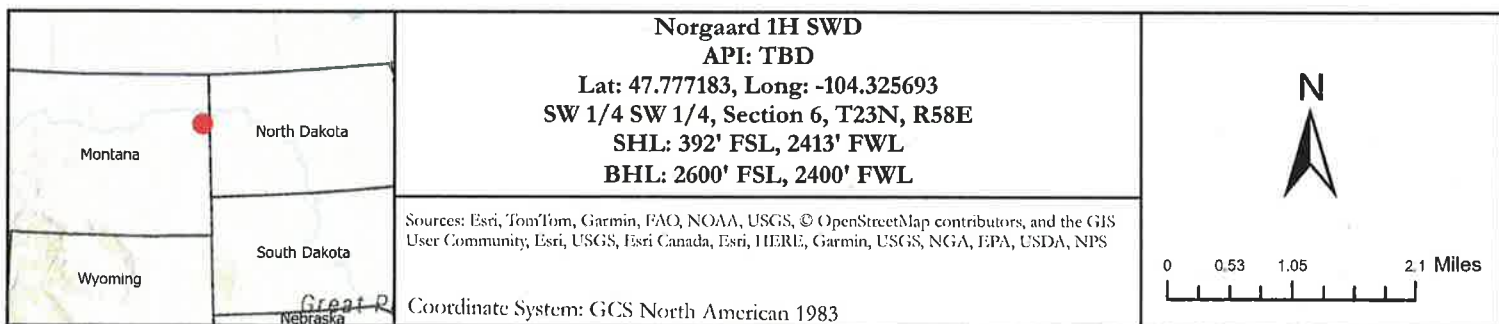
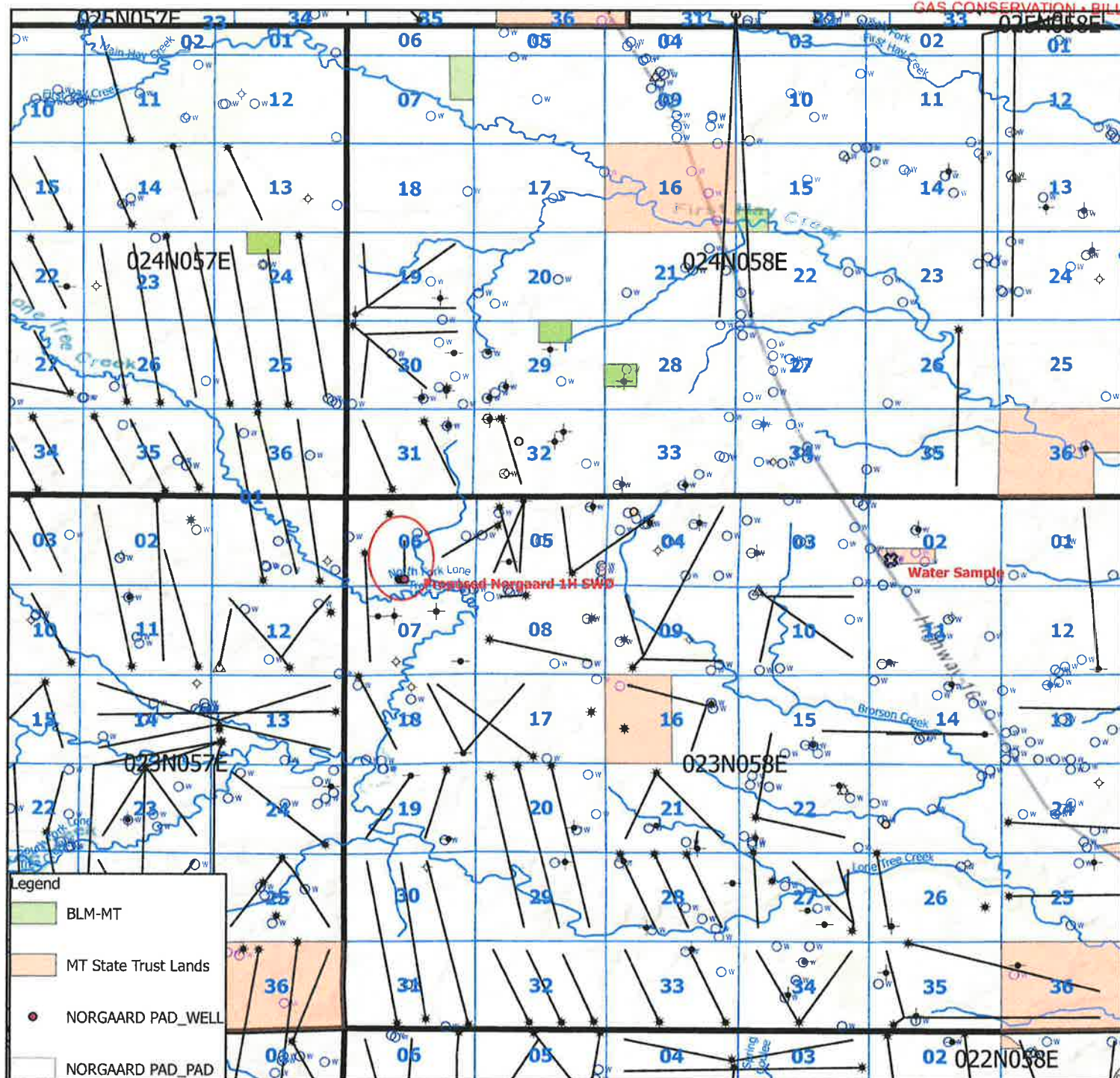
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Exhibit 4A. Map indicating location of water sample.

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Exhibit 4B: Water Analysis of Injection Interval

ASTRO-CHEM LAB, INC.

MONTANA BOARD OF OIL &
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4102 2nd Ave. West

Williston, North Dakota 58802-0972

Phone: (701) 572-7355

P.O. Box 972

WATER ANALYSIS REPORT

SAMPLE NUMBER W-12-3802

DATE OF ANALYSIS 5-15-12

COMPANY Slawson

CITY Denver

STATE CO

WELL NAME AND/OR NUMBER Verschoot 1-19 SWD

DATE RECEIVED 5-14-12

DST NUMBER

SAMPLE SOURCE Wellhead

LOCATION OF SEC.

TWN.

RANGE

COUNTY Richland

FORMATION Dakota

DEPTH

DISTRIBUTION Don Smith
Sam Thome

RESISTIVITY @ 77°F = 0.446 Ohm-Meters

pH = 7.13

SPECIFIC GRAVITY @ 77°F = 1.010

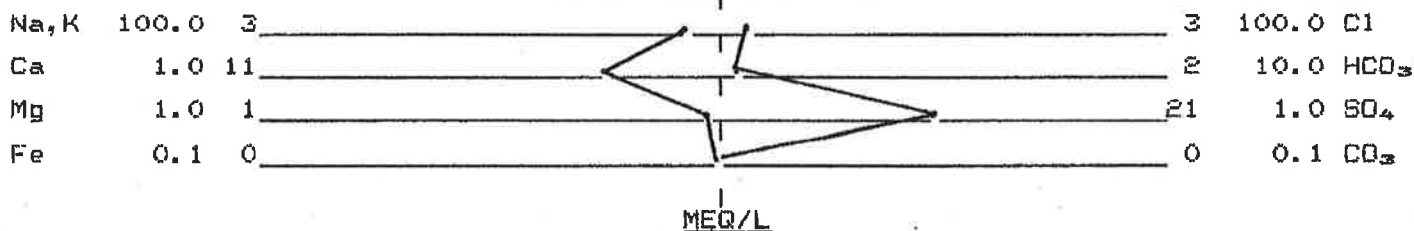
H₂S = Negative

TOTAL DISSOLVED SOLIDS (CALCULATED) = 20346 mg/L (20144 ppm)

SODIUM CHLORIDE (CALCULATED) = 16837 mg/L (16670 ppm)

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	11.0	218	CHLORIDE	288.0	10210
MAGNESIUM	1.0	11	CARBONATE	0.0	0
SODIUM	319.7	7350	BICARBONATE	22.2	1355
IRON	0.0	0.6	SULFATE	20.8	999
CHROMIUM	0.0	0.0	NITRATE	0.1	5
BARIUM	0.0	0.0			
POTASSIUM	4.7	182			
STRONTIUM	0.2	9.0			
ZINC	0.2	5.4			

WATER ANALYSIS PATTERN



REMARKS

ANALYZED BY: C. Jungels



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Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Exhibit 6: Water Analysis of Injection Interval

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: White Rock Oil & Gas
Project: Not Indicated
Lab ID: B24082375-001
Client Sample ID: Charlie Creek 8-23-Lakota

Report Date: 08/28/24
Collection Date: 08/18/24
Date Received: 08/23/24
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.7	s.u.	H	0.1		A4500-H B	08/28/24 15:36 / njp
pH Measurement Temp	17.7	°C	H	1.0		A4500-H B	08/28/24 15:36 / njp
Conductivity @ 25 C	18800	umhos/cm		5		A2510 B	08/23/24 13:42 / pmw
Solids, Total Dissolved TDS @ 180 C	11600	mg/L		500		A2540 C	08/23/24 14:10 / bmm

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Report
Definitions: RL - Analyte Reporting Limit
QCL - Quality Control Limit
H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)



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**Exhibit 6: Water Analysis of
Injection Interval**

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: White Rock Oil & Gas
Project: Drinking Water Contaminants
Lab ID: B24091147-001
Client Sample ID: Charlie Creek GN 8-23

Report Date: 09/17/24
Collection Date: 09/12/24 10:35
Date Received: 09/12/24
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.	H	0.1		A4500-H B	09/13/24 11:40 / njp
pH Measurement Temp	16.7	°C		1.0		A4500-H B	09/13/24 11:40 / njp
Conductivity @ 25 C	15200	umhos/cm		5		A2510 B	09/13/24 11:40 / njp
Solids, Total Dissolved TDS @ 180 C	11500	mg/L		200		A2540 C	09/13/24 12:27 / bmm
NUTRIENTS							
Nitrogen, Nitrite as N	0.02	mg/L		0.01		E353.2	09/12/24 17:34 / krt

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Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

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Montana Ground-Water Assessment Atlas No. 1, Part B, Map 3
February 1997
Revision 2 - Dec. 21, 1998

Montana Bureau of Mines and Geology
A Department of Montana Tech of The University of Montana

**Depth to the Fox Hills—Lower Hell Creek Aquifer,
Lower Yellowstone River Area, Montana**

by

Larry N. Smith

Note - this map was originally published at a scale of 1:250,000 but the page sizes have been modified to fit the size of the paper in your printer. A full sized 36" X 45" colored print of this map can be ordered from the Office of Publications and Sales of the Montana Bureau of Mines and Geology, 1300 West Park Street, Butte, MT 59701.

Phone: 406-496-4167 E-mail: <http://mbmgsun.mtech.edu>

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Explanation:



Population center

Water wells in Fox Hills-lower Hell Creek aquifer:

- Depth to top of aquifer used in contour development
- Depth to top of aquifer not available

Oil or gas wells:

- Depth to top of aquifer used in contour development

— 2000 —

Depth to Fox Hills-lower Hell Creek aquifer



Township boundary



Principal stream channel



County boundaries



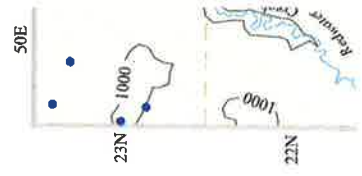
Major road



Outcrop and subcrop of the Pierre Shale



Outcrop of the Fox Hills Formation

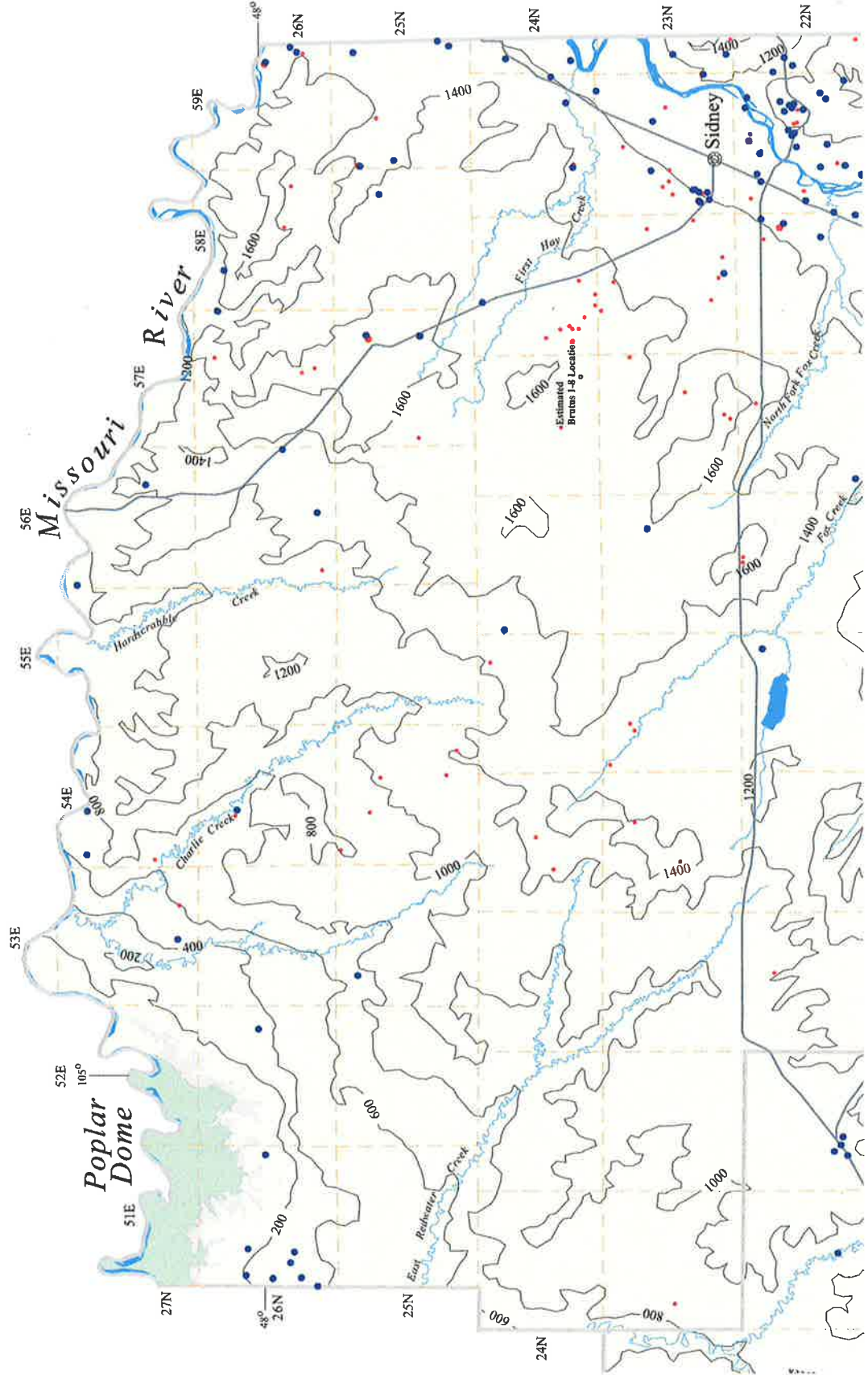


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Montana Ground-Water Assessment Atlas No. 1, Part B, Map 3
February 1997
Revision 2 - Dec. 21, 1998



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WHITE ROCK OIL AND GAS
D&C AFE #XXXX

[illegible]

Shawna Bonini

WROG WI (%)	100.00
-------------	--------

WROG Net COSTS	\$	425,000.00
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**MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS**



WHITE ROCK OIL AND GAS
D&C AFE #XXXX

[illegible]

Shauna Bonini

WROG WI (%)	100.00
-------------	--------

WROG Net COSTS	\$	1,397,000.00
-----------------------	-----------	---------------------

Exhibit 7A. Surface and Mineral Owner List

OWNER NAME	ADDRESS LINE 1	ADDRESS LINE 2	CITY	STATE	ZIP
1949 INC NOMINEE CORP	270 ST PAUL ST STE #300		DENVER	CO	80206
ALLEN D SIMONSEN	135 LEGENDS WAY		BILLINGS	MT	59106
ANDREW BYNUM	10565 NE KINGSTON MEADOWS CIR		KINGSTON	WA	98346
AVELINO ENERGY PARTNERS LTD	2365 HARRODSBURG RD STE A110		LEXINGTON	KY	40504
AVEREX INC	PO BOX 7097		DESTIN	FL	32540
BAKKEN PRODUCTION INC	1050 31ST AVE SW STE A		MINOT	ND	58701
BARBARA RAE DYSTE	10507 WHITESTONE RANCH ROAD		BENBROOK	TX	76126
BENNETT INTERESTS LP	PO BOX 507		FATE	TX	75132
BEVERLY J WHITE	MANDY LANDERS & SCOTT FLYNN POA	PO BOX 564	FIARVIEW	MT	59221
BEVO EXPLORATION, LLC	PO BOX 9985		LONGVIEW	TX	75606
BLACK STONE MINERALS COMPANY LP	P O BOX 301267		DALLAS	TX	75303
BRORSON FLATS LP	34245 CR 131		SIDNEY	MT	59270
BRUT PROPERTIES LLC	5969 NEWPORT ST		COMMERCE CITY	CO	80022
CALVIN Z JOHNSON	34172 CR 131		SIDNEY	MT	59270
CARL T DYNNESEN & LINDSEY L DYNNESEN	34275 CR 131		SIDNEY	MT	59270
CAROL MARIE JOHNSON	PO BOX 51224		BILLINGS	MT	59105
CHARLES E DOPPLER	3929 37TH ST NW		MANDAN	ND	58554
CHARLES F NEVINS & MATTHEW J NEVINS	12765 CR 341		SIDNEY	MT	59270
CHELSEY JO TERNES	115 LIBBY RD		LINCOLN	ND	58504
CHERRON G MUNSON NON-EXEMPT MARITAL TRUST	ATTN: CHERRON G MUNSON TTEE	PO BOX 141	DEER HARBOR	WA	98423
CHERYL A COPAS	48 PARKSIDE ALY		DAWSONVILLE	GA	30534
CLOVE HITCH LLC	PO BOX 357		SHERIDAN	WY	82801
COLLEEN BEA JOHNSON	1122 MEADOW BROOK DR		PORTLAND	TX	78374
COLLEEN H RICHMOND FAM TRUST	PO BOX 58082		SALT LAKE CITY	UT	84158
COX MINERALS LLC	PO BOX 2015		BILLINGS	MT	59103
CRAIG L JOHNSON	34174 CR 131		SIDNEY	MT	59270
D5 MINERALS LP	PO BOX 6111		SAN ANTONIO	TX	78209
DAN HEDGER	2735 SHEPPARD-REES RD		KERRVILLE	TX	78028
DARYL & CATHERINE NORGAAUD IRREVOCABLE TRUST	MATTHEW R NORGAAUD, TRUSTEE	12635 COUNTY ROAD 344	SIDNEY	MT	59270
DARYL W NORGAAUD	12605 RD 344		SIDNEY	MT	59270
DAVID GRAUMAN	3642 MCGIRL RD		BILLINGS	MT	59105
DAVID MCMILLEN MINERAL TRUST	314 ROAD 101		SIDNEY	MT	59270
DENISE COLLEEN WEIR REVOCABLE LIVING TR	DENISE COLLEEN WEIR, TRUSTEE	7040 PRESTWICK LN. SW	PORT ORCHARD	WA	98367
DIXIE LAKE ROYALTY LLC	PO BOX 2109		LONGVIEW	TX	75606
DONNA M STROSNIER	105 SUSAN WAY DR		RICHMOND	KY	40475
DOUGLAS H WILLSON REV TRUST	3085 MILL VISTA RD UNIT 2409		HIGHLANDS RANCH	CO	80129
DUNN FAMILY TRUST FBO SHARON M DUNN	3421 W 2ND AVE		SPOKANE	WA	99224
E LYNNELL STROTHMAN	2931 TYLER PKWY		BISMARCK	ND	58503
EARLJODY CRANSTON OIL AND GAS LLC	701 DAHLIA		DENVER	CO	80220
EJ KUNKEL ROYALTY LLC	COMPASS ROYALTY MGMT LLC AIF	PO BO 660279	DALLAS	TX	75266
ELIZABETH J LIPPMANN ESSIG - DEC'D	PO BOX 1786		FORT MYER	VA	22211
EVELYN KWOK KAN	1324 LOS ARBOLES AVE		SUNNYVALE	CA	94087
FORD CLARY	8334 20TH AVE NW		SEATTLE	WA	98117
FRIENDSHIP OIL LLC	1324 LOS ARBOLES AVE		SUNNYVALE	CA	94087
GARNER FAMILY LLC	401 MCELROY DR #2429		OXFORD	MS	38655
GASTONE OIL COMPANY	PO BOX 17203		SAN ANTONION	TX	45217
GENEVIEVE LI - DEC'D	224 E 7TH ST APT #10		NEW YORK	NY	10009
GEORGE B AND DORIS M SWENSON	303 4TH AVE SE		SIDNEY	MT	59270
GEORGE C MATSON III	PO BOX 20074		OKLAHOMA CITY	OK	73156
GGR OIL LP	ATTN: REON ROSKI	13191 CROSSROADS PKWY N SIXTH FLOOR	CITY OF INDUSTRY	CA	91746
GORDON WG KERN ESTATE	52 MARIAN AVE		PITTSFIELD	MA	1201
GREGORY A BUXBAUM	12263 CR 349R		SIDNEY	MT	59270
GREGORY D MATSON	26 BRIARWOOD WAY		BELMONT	CA	94002
HARLAN D SIMONSEN	39553 RANGEVIEW DR		SEVERANCE	CO	80610
HEADINGTON ROYALTY INC	1501 N HARDIN BLVD, STE 100		MCKINNEY	TX	75071
HEFNER COMPANY INC	PO BOX 2177		OKLAHOMA CITY	OK	73101
HELEN DUNN LIFE ESTATE REMAINDERMAN	12515 N FAIRWOOD DR UNIT 12		SPOKANE	WA	99218
HOEFLE FAMILY PARTNERSHIP	742 PARK LN		BILLINGS	MT	59102
INLAND OIL & GAS CORPORATION	PO BOX 1313		BISMARCK	ND	58502
JACK ALAN PRATHER REVOCABLE TRUST	PO BOX 808		MCKINNEY	TX	75070
JAMES E & CHERYL A BROWN LVNG TST	JAMES E BROWN&CHERYL A BROWN TTEES	3737 POLY DR	BILLINGS	MT	59102
JD PARADIGM LLC	23558 E MINERAL PL		AURORA	CO	80016
JERRY MCMILLEN	314 ROAD 101		SIDNEY	MT	59270
JODY A KAPPEL	810 SOUTH CENTRAL AVE		SIDNEY	MT	59270
JODY K HERK	5031 SAFFRON CT		FORT COLLINS	CO	80525
JOE HALVORSEN IRREVOCABLE TRUST	C/O FIRST STATE BANK & TRUST	PO BOX 1827	WILLISTON	ND	58802
JOHN DYNNESEN	34245 CR 131		SIDNEY	MT	59270
JOHN R LIPPMANN	PO BOX 2908		NORMAN	OK	73070
JOSEPH MATTHEW MAYER ESTATE	12554 LOCUST WAY		THORNTON	CO	80602
JULIE ANN MCKEE TRUST	JULIE ANN MCKEE, TRUSTEE	1805 N 14TH ST	BROKEN ARROW	OK	74012
JULIE JIMISON TRUST	MARK L. NEU, TRUSTEE	PO BOX 202	FAIRVIEW	MT	59221
KALEB M DASINGER	PO BOX 77		SIDNEY	MT	59270
KAREN SHERWOOD	250 PANTOPS MOUNTAIN RD APT 233		CHARLOTTESVILLE	VA	22911
KARI L CLARK	3601 S JESSE JAMES DR		SIOUX FALLS	SD	57103
KATHLEEN GRAUMAN	76 VISTA DEL MAR STREET		CAMANO ISLAND	WA	98282

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

OWNER NAME	ADDRESS LINE 1	ADDRESS LINE 2	CITY	STATE	ZIP
KATY TRENTHAM	5411 118TH AVE SE		BELLEVEUE	WA	98006
KERSHAW PUTNAM LLC	PO BOX 20588		OKLAHOMA CITY	OK	73156
KEVIN WESTLEY SHELLEY	2543 WOOD HOLLOW WAY		BOUNTIFUL	UT	84010
KIRBY L DASINGER	PO BOX 77		SIDNEY	MT	59270
KIRKLAND AND MEGAN ALLWEIN	17605 ANTON CT		PARKER	CO	80134
KNAFF LIVING TRUST DTD 2/12/2013	TIMOTHY J KNAFF & NAOMI J KNAFF, TTEES	1406 MANCOS DR	LOVELAND	CO	80538
KNAPP OIL CORPORATION	PO BOX 786		SIDNEY	MT	59270
KYLE MCMILLEN	12868 CR 338		SIDNEY	MT	59270
LC JACKSON MANAGEMENT LLC	3912 DELANEY FERRY RD		VERSAILLES	KY	40383
LEAN DOG LIMITED PARTNERSHIP NO. 1	PO BOX 25203		DALLAS	TX	75225
LEO THOMAS DOPPLER AND	5412 SUPERIOR DR		BISMARCK	ND	58503
LEWIS REV FAMILY TRUST OF 9/21/07	2101 WINDJAMMER WAY		ROWLETT	TX	75088
LIBBY H CLARY	5350 BURNET RD APT #417		AUSTIN	TX	78756
LINDA S OCONNOR	118 8TH AVE NW		SIDNEY	MT	59270
LINDA S. O'CONNOR FAMILY MINERAL TRUST	LINDA S O'CONNOR, TRUSTEE	1702 W 23RD ST	LOVELAND	CO	80538
LISA F JACOBS	3421 W 2ND AVE		SPOKANE	WA	99224
LISA L GOEBEL TRUST	LISA L GOEBEL, TRUSTEE	202 S. 13TH STREET	MUSKOGEE	OK	74401
LORI B HORN FAMILY MINERAL TRUST	LORI B HORN, TRUSTEE	1702 WEST 23RD ST	LOVELAND	CO	80538
LOUIS DORFMAN	8080 N CENTRAL EXPY ST 1700		DALLAS	TX	75206
LOWER YELLOWSTONE RURAL ELECTRIC ASSOCIATION	PO BOX 1049		SIDNEY	MT	59270
LYNN SIMONSEN	3032 WESTERN BLUFFS BLVD		BILLINGS	MT	59106
MARGARET SAILER - DEC'D	201 14TH ST NW		MANDAN	ND	58554
MARK L. NEU	PO BOX 202		FAIRVIEW	MT	59221
MARTHA SORENSON	10570 SE 73RD TER		BELLEVIEW	FL	34420
MARY MIDGE LIPPMANN	1210 JEANNIE LANE CT		MUSKOGEE	OK	74403
MELISSA MCLEOD	445 PRESCOTT LN		WEST FARGO	ND	58078
MHB PROPERTIES	PO BOX 637		SEDALIA	CO	80135
MITCHELL MINERALS LLC	PO BOX 8		HASKELL	OK	74436
MONTANA SUNFLOWER, LLC	7900 OAK ST		ARVADA	CO	80005
MORGAN RAJCEVICH	#2 ROSE LANE		FULTON	IL	61252
MORNINGSTAR OPERATING LLC	400 WEST 7TH ST		FORT WORTH	TX	76102
MR OIL & GAS LLC	6500 GREENVILLE AVE STE 110		DALLAS	TX	75206
MURFIN INC	345 NORTH RIVERVIEW ST STE 200		WICHITA	KS	67203
NANCY H GRAHAM REVOCABLE TRUST	318 W GROVE RD		HUDSON	WI	54016
NATIONAL FUEL LLC	PO BOX 4892		PARKER	CO	80134
NHPP II FORTUNA ROCKIES LLC	1106 WITTE ROAD SUITE 400		HOUSTON	TX	77055
NHPP V FORTUNA ROCKIES LLC	1106 WITTE RD STE 400		HOUSTON	TX	77055
NINA K KELLER	529 7TH AVE NE		SIDNEY	MT	59270
NOBLE ROY ACCESS FUND VII LP	PO BOX 660082		DALLAS	TX	75266
NOBLE ROY ACCESS FUND VIII LP	PO BOX 660082		DALLAS	TX	75266
NORTHEAST MONTANA LLP	ATTN: PROSPECTOR OIL INC	PO BOX 1577	BILLINGS	MT	59103
PATRICIA C GRIFFITH	7109 SHIPP RD		ROWLETT	TX	75088
PATRICK A LIPPMANN REV TRUST	PATRICK A LIPPMANN TRUSTEE	PO BOX 592238	SAN ANTONIO	TX	78259
PAUL C. NEU TRUST	MARK L. NEU, TRUSTEE	PO BOX 202	FAIRVIEW	MT	59221
PETROLEUM INCORPORATED	300 W DOUGLAS STE 1050		WICHITA	KS	67202
PHOENIX ENERGY ONE LLC	18575 JAMBOREE RD STE 830		IRVINE	CA	92612
RAGAN PETROLEUM INC	PO BOX 7097		DESTIN	FL	32540
RAMONA JACOBSON	419 HAYES AVE		HELENA	MT	59601
RANDALL L GRIFFITH	7712 W RIVERSIDE DR		CASPER	WY	82604
REBECCA K. GARZA FAMILY MINERAL TRUST	REBECCA K. GARZA, TRUSTEE	721 WEST MAIN ST	SIDNEY	MT	59270
REDAG ENERGY LLC	19711 IVORY BROOK DR		HOUSTON	TX	77094
RITA HOCH	35448 COUNTY ROAD 131		FAIRVIEW	MT	59221
ROBERT E KERSHAW ROYALTY CO INC	PO BOX 10		NEW ELLENTON	SC	29809
ROBERT MAYER	1001 13TH ST		INTERNATIONAL FALLS	MN	56649
ROGER A JOHNSON MINERAL TRUST	PO BOX 454		FAIRVIEW	MT	59221
RONALD CROSBY EXEMPT TRUST	1700 PACIFIC AVE STE 1200		DALLAS	TX	75201
RUSSEL J LARSON	PO BOX 402		COOLVILLE	OH	45723
RUSSELL L JOHNSON	1015 7TH AVE SW APT 300		SIDNEY	MT	59270
SABINE HOLDINGS LP	CARTHAGE MANAGEMENT GENERAL PARTNER	PO BOX 2109	LONGVIEW	TX	75601
SARA SCOTT	8423 137TH ST CT EAST		PUYALLUP	WA	98373
SD RESOURCES LTD	C/O OIL & GAS SERVICE CENTER	1200 ABINGTON EXECUTIVE PARK	CLARKS SUMMIT	PA	18411
SHERRAN PETROLEUM LLC	PO BOX 35		GUFFEY	CO	80820
STACEY L SMITH	90 LANDER LANE		BERRYVILLE	VA	22611
STEVE C GRIFFITH	615 17TH ST		GALVESTON	TX	77550
STEVEN G SHADDOCK	925 ST ANDREWS LN		LOUISVILLE	CO	80027
STONESTREET FAMILY TRUST	4460 S SNOWMASS CT		MILLCREEK	UT	84124
SUE MILES CHAMLEE ENERGY LLC	C/O JENNIE BAYLESS	3642 140TH AVE NE	HAM LAKE	MN	55304
SUNDHEIM OIL CORPORATION	PO BOX 230		CROSBY	ND	58730
SUSAN BYNUM	703 CALLAHAN DR APT #222		BREMERTON	WA	98310
SWENSON FAMILY TRUST	40 CLAREMONT ST APT #1004		KALISPELL	MT	59901
T BAR OIL AND GAS LTD	PO BOX 247		CRESTED BUTTE	CO	81224
T&D BLACK GOLD OIL LLC	2804 PRINCETON AVE		MIDLAND	TX	79701
TERRI R ZADOW	1675 W HOLLY ST		SIDNEY	MT	59270
THE ARNOLD AND LOLA HANSEN FAMILY TRUST	HEATHER JOHNSON, TRUSTEE	207 2ND AVE. NW	SIDNEY	MT	59270
THE H & S DRILLING COMPANY	PO BOX 701620		TULSA	OK	74170

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OWNER NAME	ADDRESS LINE 1	ADDRESS LINE 2	CITY	STATE	ZIP
THRIVENT CHARITABLE IMPACT & INVESTING	600 PORTLAND AVE S, STE 4100		MINNEAPOLIS	MN	55415
TIMOTHY COLLINS & SHEILA COLLINS TRUST	SHEILA & TIMOTHY COLLINS, CO-TRUSTEES	9 ROLLING OAKS DRIVE	ENID	OK	73703
TIMOTHY H. NEU - DEC'D	PO BOX 118		FAIRVIEW	MT	59221
TJF LLC AGENCY	1 N JEFFERSON AVE		SAINT LOUIS	MO	63103
TONYA BOGGS	4786 SUMMITOP LN NE		MARIETTA	GA	30066
TRANS WESTERN PETROLEUM INC	PO BOX 276		GOLDEN	CO	80402
TRES PRIMO PARTNERS LLC	PO BOX 1938		ROSWELL	NM	88202
TROY H CLARY	1615 SE YUKON ST		PORTLAND	OR	97202
TUCKER GARNER O&G LLC	7256 HOLLY HILL DR		MERCER ISLAND	WA	98040
TWCJ LLC	ATTN: CRAIG WATTERS MANAGING MEMBER	PO BOX 296	LOUISVILLE	CO	80027
TYSON PROPERTIES LLC	PO BOX 3786		MIDLAND	TX	79702
UINTA PETROLEUM INC	PO BOX 1208		LARAMIE	WY	82073
URSULA K POWELL	3900 W WADSWORTH STE 495		DENVER	CO	80235
VIOLET R COON	34249 CR 129		SIDNEY	MT	59270
VIOLET R COON & WESTEN LYLE COON	34249 CR 129		SIDNEY	MT	59270
VIRGINIA R NOWLIN REV TRUST 1	181 WEST MADISON 35TH FLOOR		CHICAGO	IL	60602
WILDCARD FAMILY LIMITED PARTNERSHIP	1700 PACIFIC AVE SUITE 1200		DALLAS	TX	75201
YGGDRASIL MINERALS LLC	2055 SUMMIT DR		SHERIDAN	WY	82801
YOUNGER PARTNERS, LTD	PO BOX 11004		MIDLAND	TX	79702
ZKB PROPERTIES LLC	6300 E HAMPDEN AVE #C-367		DENVER	CO	80222
ZONA L MOWRER	PO BOX 48		RAMSAY	MT	59748

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

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

APPLICATION OF WHITE ROCK OIL AND GAS, LLC
FOR AN UNDERGROUND INJECTION CONTROL
(UIC) PERMIT FOR THE NORGAARD 1H SWD WELL,
WITH A SHL OF 392' FSL, 2413' FWL, AND BHL OF
2600' FSL, 2400' FWL, SECTION 6, T23N, R58E, FOR
THE PURPOSE OF SALTWATER DISPOSAL WITHIN
THE ELM COULEE FIELD.

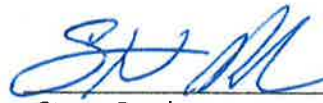
AFFIDAVIT OF NOTIFICATION

DATE: SEPTEMBER 9, 2026

STATE OF TEXAS)
) SS.
COUNTY OF COLLIN)

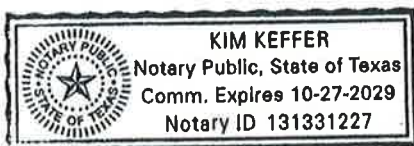
Stuart Rowlan, being duly sworn, deposes, and says:

That notice advising of WHITE ROCK OIL AND GAS, LLC's application for UIC Permit in the captioned matter, in the form attached in Exhibit 11 was mailed to the current operators, lease owners of nonoperated leases, mineral owners of nonoperated leases, and surface owners within the area of review at the addresses shown in Exhibit 10 attached, by mailing a true copy thereof this 9th day of September, 2026, postage prepaid, First Class Mail. This Affidavit is given as evidence of compliance with ARM 36.22.1410.


Stuart Rowlan

STATE OF TEXAS)
) SS.
COUNTY OF COLLIN)

Subscribed and sworn to before me this 9th day of September 2026.




Notary Public
State of Texas
My Commission Expires

10/27/29