

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

**IN THE MATTER OF THE
APPLICATION OF FORZA
OPERATING, LLC FOR AN ORDER
DESIGNATING AND DELINEATING
THE W½W½ OF SECTION 34,
TOWNSHIP 35 NORTH, RANGE 1
EAST, TOOLE COUNTY, AS THE
PERMANENT SPACING UNIT FOR
APPLICANT'S TURNER 34-1H NISKU
FORMATION OIL WELL.**

APPLICATION

DOCKET NO. 115 - 2022

FORZA OPERATING, LLC, (“Applicant”), 25511 Budde Road, Suite 3404, Spring, Texas 77380, presents the following Application:

1. Applicant is the owner of oil and gas leasehold interests in, to and under the W½W½ of Section 34, Township 35 North, Range 1 East, and Operator of the Turner 34-1H well located thereon which has produced oil from the Nisku Formation underlying said lands.
2. Pursuant to ARM 36.22.702(2 & 7) and 36.22.703(4) Applicant designated the W½W½ of Section 34 as an optional drilling unit for the foregoing well.
3. ARM 36.22.703(4) provides that “Any Operator designating an optional drilling unit under this section must apply for proper well spacing within 90 days after the completion of a well capable of production.”
4. Applicant requests the W½W½ of Section 34 be designated as the permanent spacing unit for the above well and Nisku Formation oil and associated natural gas produced therefrom.
5. Applicant reasonably believes the appropriate spacing unit for production of Nisku Formation oil and associated natural gas from the Turner 34-1H well is the W½W½ of Section 34.
6. Applicant believes that approval and granting of the request herein will be in the best interests of prevention of waste of oil and associated natural gas and the conservation thereof and will not adversely affect the correlative rights of any party.

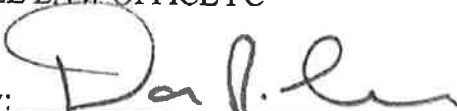
WHEREFORE, Applicant requests the following:

1. This matter be set for hearing and notice thereof be given as required by law;

2. After hearing this matter the Board enter its Order granting and approving the request of Applicant herein; and
3. For such other or additional relief as the Board may deem appropriate.

Dated September 7, 2022.

LEE LAW OFFICE PC

By: 

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

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

Docket No. 118 - 2022
Underground Injection Control
Application

**Leonardo 18-1H
SWD
Sec. 18 T25N R59E**

HYDRA MT LLC

**9805 Katy Freeway – Ste. 300, Houston, TX 77024
(713) 360-7705, fax (713) 360-7712**

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Underground Injection Control (UIC) Permit Application Fairview Field

The following is submitted in support of our application to permit the drilling and completion of the Leonardo 18-1H SWD well for the purposes of water injection into the Dakota Group and related rocks within the proposed Fairview Field, as required by Rule 36.22.1403 of the Rules and Regulations of the Montana Board of Oil & Gas Conservation.

1(a) Well Locations:

The Leonardo 18-1H SWD well has been proposed for drilling and completion of a water injection within the Fairview Field in Richland County, Montana as described below. Appendix I, depicts the surface location and a quarter ¼-mile radius representing the area of review (AOR) for this well at the SHL, along the wellbore and the BHL.

Leonardo 18-1H SWD
300' FNL, 1,555' FEL
NWNE Sec. 18-T25N-R59E

1(b) Wells Located within the ¼-mile Area of Review (AOR):

There are currently two oil wells active within the ¼-mile AOR. The Mayson Phoenix 17-20 #1H (25-083-23353) (TOC at 1,926') and the RKT Carda 7-6 #1H (25-083-23352) (TOC at 2,104'). Both wells target the Bakken interval with horizontal kick off points around 9,900' TVD and laterals running in the AOR around 10,300' TVD.

1(c) Location of All Pipelines:

The Leonardo 18-1H SWD surface facilities will be constructed on the same pad as the injection well.

Injection fluids will come from multiple oil wells in the area. The Leonardo 18-1H SWD will be tied into Hydra's existing Leviathan saltwater gathering line with the possibility of expansion in the future.

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

The Ratcliffe, Mission Canyon, Bakken and Red River are formations that are producing or have been productive within T25N R59E in Richland County, MT. The Ratcliffe and Mission Canyon produce between 8,922-9100'. The Middle Bakken produces between 10,430-1480'.

Fresh water well data was obtained from the Montana Department of Natural Resources and Conservation, Water Resources, Division. There are two freshwater wells which produces within the ¼-Mile AOR of the proposed injector.

<u>Location</u>	<u>S-T-R</u>	<u>Well ID</u>	<u>Well Name</u>	<u>Depth</u>
NENE	18-25-59	128170	Vanderhoof Brothers	200'
NENE	18-25-59	148596	Vanderhoof	50'
SENE	17-25-59	291941	Ramona Raffnell	NA

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Any potential USWDs are protected from the proposed injection zone by surface casing to set at 1,854' cemented to the surface. The production string, tubing and an injection packer will result in further isolation of fresh USWDs from injected fluids.

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

The Lower Cretaceous Inyan Kara within the Dakota Group is roughly 473' thick in this area based on grid tops for the Inyan Kara and the lower confining Swift formation. The Inyan Kara consists of a sequence of alternating fluvial and deltaic sands, silts, and shales. It unconformably overlies the Swift formation. There are several prospective porosity intervals for injection from 5,710-5,698' TVD with sand packages ranging from 40' to 60' in thickness.

The Cretaceous Mowry formation is the overlying confining formation for the Inyan Kara. The Mowry is estimated to be approximately 451' thick and comprised of black to gray, siliceous, fissile shales and siltstones containing bentonite layers.

The Jurassic Swift formation is the lower confining formation for the Inyan Kara. It is predominantly a transgressive-regressive, clastic, shallow marine deposit composed of dark-gray to greenish shales, and slightly calcareous, glauconitic siltstones and sandstones. The basal 150' to 200' are predominantly beds of 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 473' thick in this area.

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

The The Mayson Phoenix 17-20 #1H (25-083-23353) (TOC at 1,926') and RKT Carda 7-6 #1H (25-083-23352) (TOC at 2,104') are active oil wells within the AOR. The wells have adequate cement height and lithology for injection.

1(g) Open Hole Logs:

The Leonardo 18-1H 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 test data run on the Leonardo 18-1H SWD will be supplied to the MBOGC.

1(h) Description of Wellbore Construction:

Appendix IV, attached to this document is the MBOGC's Form 2 requesting drilling and completing the subject well as an SWD. Appendix V, depicts the proposed wellbore configuration and directional plans for the Leonardo 18-1H SWD. Perforations will be selected after logs will be run. Appendix VI, 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 stimulation.

The 8-3/4" Intermediate section will be drilled to approximately 4,852' at which point we will drill the curve section at 10°/100 ft to LP and drill lateral section to approximately 8,966' MD. 7" casing will be ran to TD and cemented into place, TVD will be at 5,703'.

1(i) Description of Injection Fluid:

The Leonardo 18-1H SWD will primarily be used to inject produced water from wells producing from the Bakken formation in the surrounding area. Water from the Red River, Madison and other producing intervals of the Williston Basin may also be disposed of in the Leonardo 18-1H SWD, depending on future development plans. Appendix VII, depicts a representative water analyses from a Bakken well in the area well that will be injected at the Leonardo 18-1H SWD. The Dakota

formation has been the most prevalent disposal domain throughout Eastern Montana and North Dakota.

1(j) Names of Owners of Record:

The surface owners and mineral owners within the AOR are presented in Appendix VIII.

Hydra MT, LLC has notified the current operators, surface owners and lease owners in accordance with 36.22.1410 1) notification requirements for an underground injection permit. Appendix IX is an affidavit attesting to the fact that notices have been mailed.

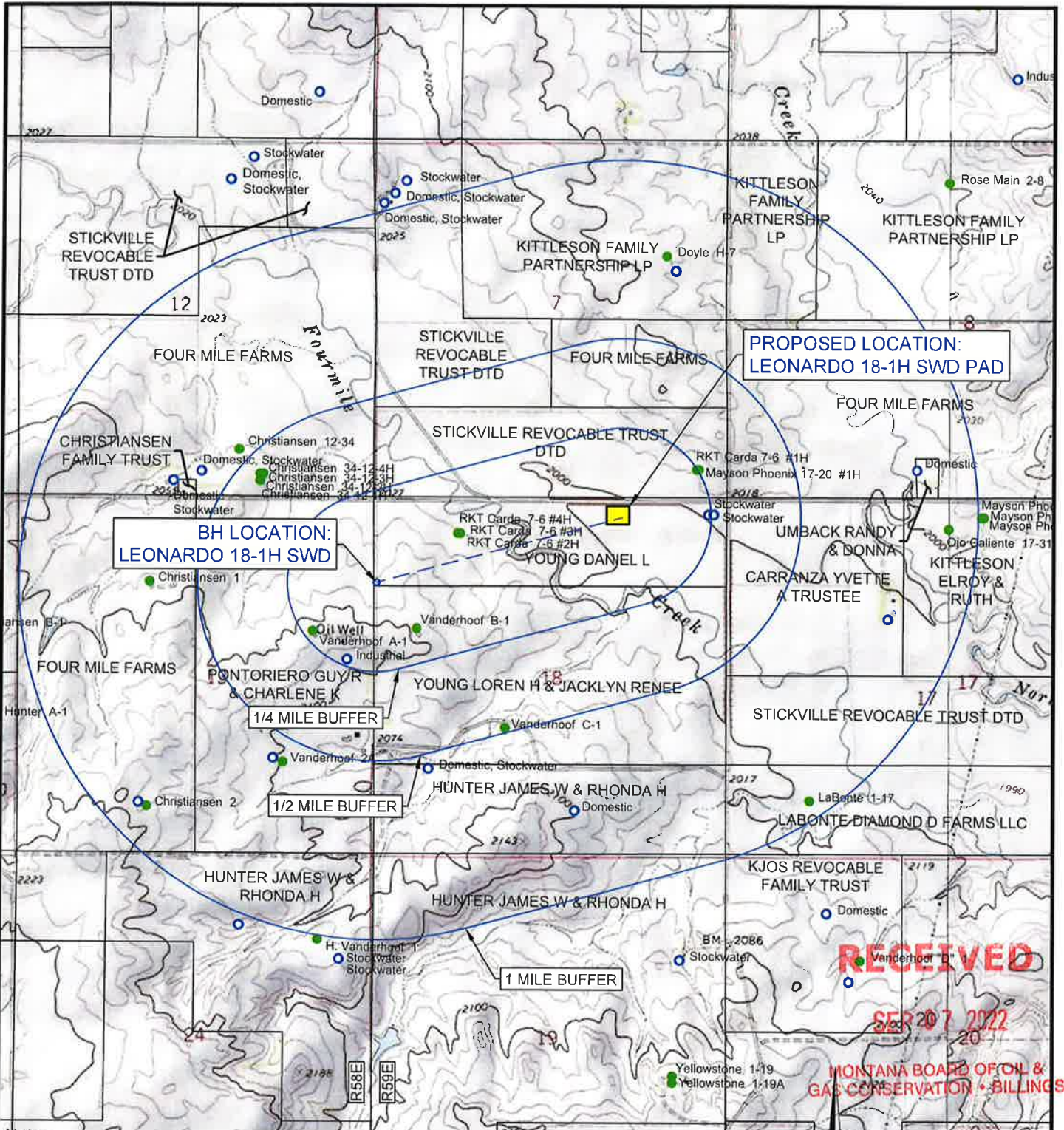
1 (k) List of Appendices:

- I ¼-Mile Area of Review Map
- II Plat of SWD Location
- III Representative Log
- IV Sundry Notices
- V Proposed Wellbore Schematic/Directinoal Plans
- VI Proposed Completion Procedure
- VII Water Analysis – Source Waters
- VIII List of Surface Owners/Mineral Owners in ¼-Mile AOR
- IX Affidavit of Notification to Landowners
- X Example of Landowner Notifications of Application for Injection
- XI Notice of Intention to Apply for a Class II Well.
- XII Affidavits of Publication – Helena & Wolf Point

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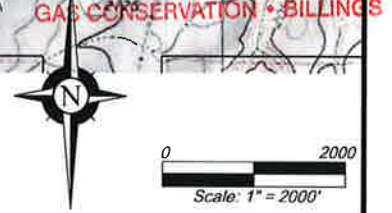


Notes:

1. Confidentiality Notice: The information contained on this plat is legally privileged and confidential information intended only for the use of recipients. If you are not the intended recipients, you are hereby notified that any use, dissemination, distribution or copying of this information is strictly prohibited.
2. Well location as depicted does not constitute an as-built survey.

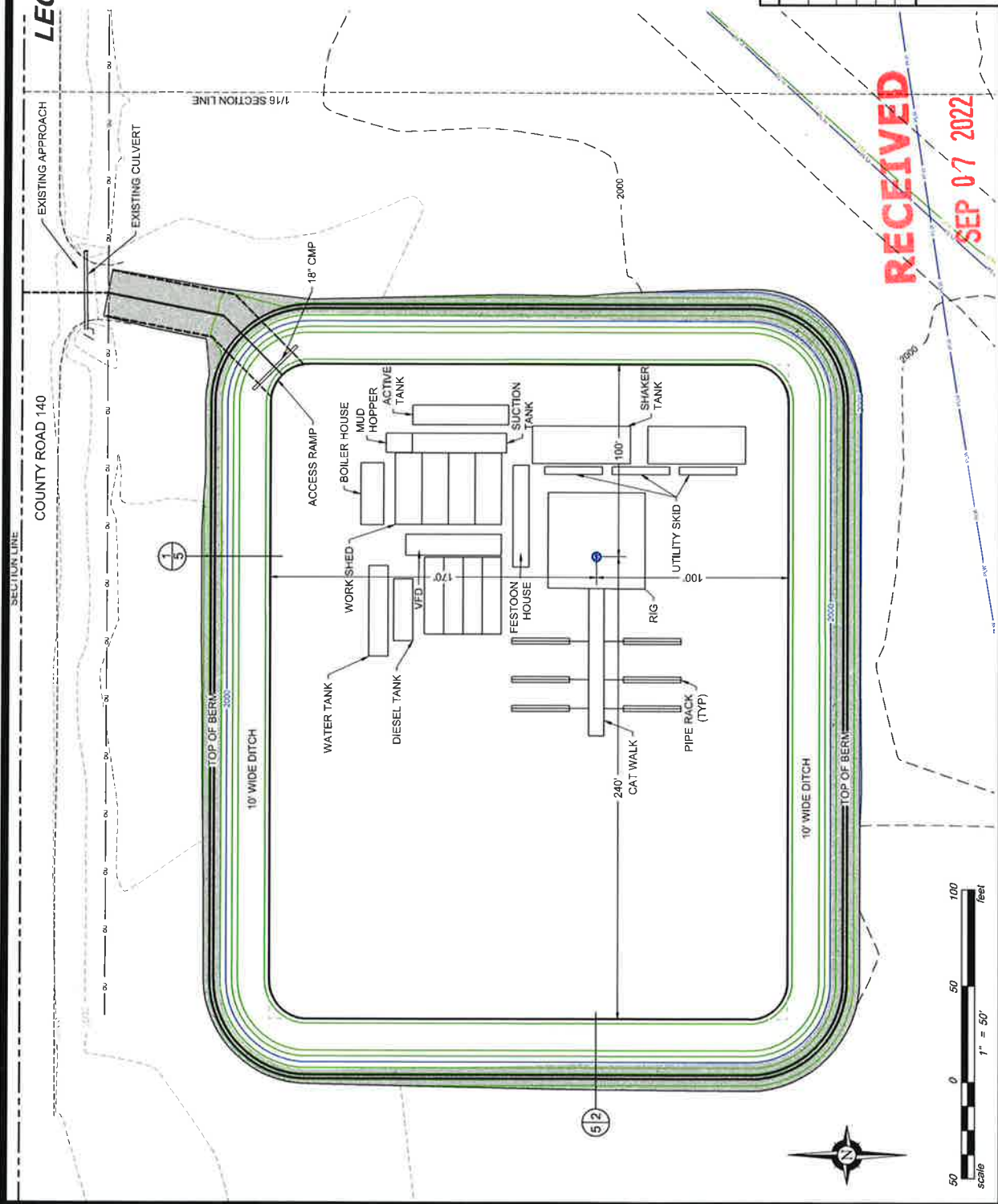
LEGEND:

- OIL/GAS WELL
- WATER WELL



<p>WELL PROXIMITY MAP</p> <p>HYDRA MT, LLC</p> <p>LEONARDO 18-1H SWD</p> <p>Sec. 18, T25N, R59E, P.M.M., Richland Co., Montana</p>	Project No.: 2022-65-1001	<p>Surveying & Drafting Services By:</p> <p>ECS INC.</p> <p>ERICKSON CONTRACT SURVEYING 333 10th Ave. SE Sidney, Montana Office 406-482-6606 / Fax 406-482-6600 Sheet 13</p>
	Survey Date: August 16, 2022	
	Drawing Date: August 22, 2022	
	Surveyed By: C.T.M.R.	
Drawn By: H. Nickoloff	Checked By: L. Hurst	

LEONARDO 18-1H SWD
 NW1/4NE1/4, SEC. 18,
 T25N, R59E, P.M.M.,
 RICHLAND COUNTY,
 MONTANA



LEGEND

- FILL AREA
- PROPOSED WELL
- OIL LINE
- SALTWATER LINE
- OVERHEAD ELECTRIC
- PRIVATE WATER LINE



LEONARDO 18-1H SWD	
TYPICAL RIG LAYOUT	
NW1/4NE1/4, SECTION 18, T25N, R59E, P.M.M., RICHLAND COUNTY, MT	
Project #: 2022-65-1001	Surveyed Date: 8/16/22
Surveyed By: C.T.M.R.	Drawing Date: 8/18/22
Drawn By: H. Nickolaif	Revision:
Checked By: L. Hurst	Sheet 7
Surveying & Drafting Services By:	
ECS INC. ENGINEERING CONSULTANTS SURVEYING 3310 13th Ave. S.E. Billings, Montana 59102 (406) 251-1100	

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Kraken Operating, LLC

Representative Log

Labonte 1-17

250832171200

LOG CURVES

0 200
GR (GAPI) Calibrated Gamma-Ray (F12.3)

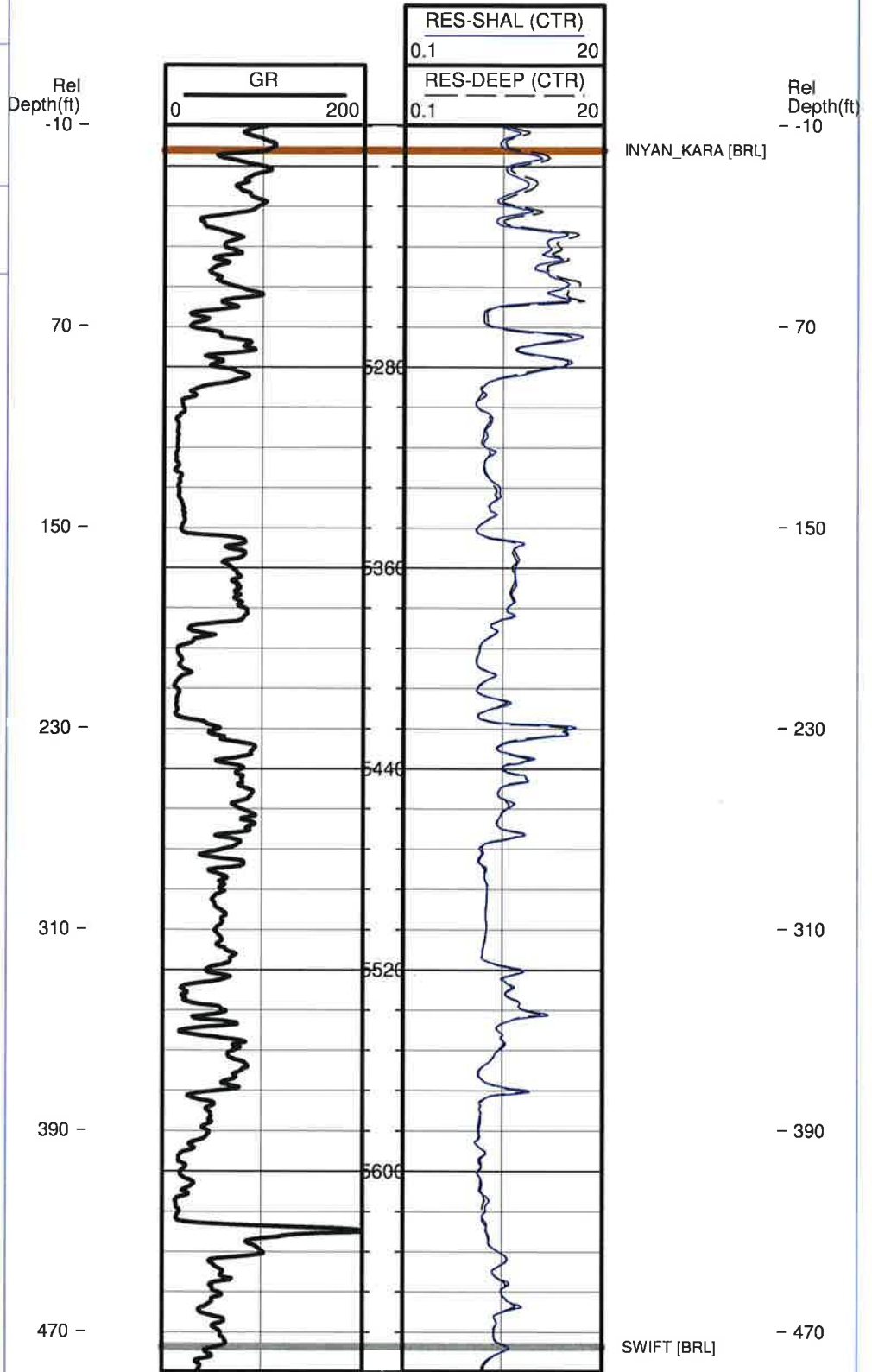
0.1 20
RES-DEEP ## CENTERED IN TRACK ##

0.1 20
RES-SHAL ## CENTERED IN TRACK ##

TOPS AND MARKERS

INYAN_KARA BRL

SWIFT BRL



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 ARM 36.22.307, 601, 605
 1003, 1004, 1011, 1013,
 1103, 1222, 1240, 1301,
 1306, 1309, and 1417.
SEP 07 2022

Submit In Quadruplicate To:

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

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

SUNDRY NOTICES AND REPORT OF WELLS

Operator Hydra MT, LLC		Lease Name: Leonardo
Address 9805 Katy Freeway Ste 300		Type (Private/State/Federal/Tribal/Allotted): Private
City Houston	State TX	Zip Code 77024
Telephone 713-360-7705	Fax 713-360-7712	Well Number: 18-1H SWD
Location of well (1/4-1/4 section and footage measurements): 300' FNL, 1,555' FEL NWNE Sec. 18-T25N-R59E		Unit Agreement Name:
		Field Name or Wildcat: Fairview
		Township, Range, and Section: 18-T25N-R59E
API Number: 25 _____ _____ State County Well	Well Type (oil, gas, injection, other): Injection	County: Richland

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

Notice of Intention to Change Plans	<input type="checkbox"/>	Subsequent Report of Mechanical Integrity Test	<input type="checkbox"/>
Notice of Intention to Run Mechanical Integrity Test	<input type="checkbox"/>	Subsequent Report of Stimulation or Treatment	<input type="checkbox"/>
Notice of Intention to Stimulate or to Chemically Treat	<input type="checkbox"/>	Subsequent Report of Perforation or Cementing	<input type="checkbox"/>
Notice of Intention to Perforate or to Cement	<input type="checkbox"/>	Subsequent Report of Well Abandonment	<input type="checkbox"/>
Notice of Intention to Abandon Well	<input type="checkbox"/>	Subsequent Report of Pulled or Altered Casing	<input type="checkbox"/>
Notice of Intention to Pull or Alter Casing	<input type="checkbox"/>	Subsequent Report of Drilling Waste Disposal	<input type="checkbox"/>
Notice of Intention to Change Well Status	<input type="checkbox"/>	Subsequent Report of Production Waste Disposal	<input type="checkbox"/>
Supplemental Well History	<input type="checkbox"/>	Subsequent Report of Change in Well Status	<input type="checkbox"/>
Other (specify) <u>Intent to Drill & Complete a</u>	<input checked="" type="checkbox"/>	Subsequent Report of Gas Analysis (ARM 36.22.1222)	<input type="checkbox"/>
<u>Class II Injection Well</u>	<input type="checkbox"/>		<input type="checkbox"/>


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.

Hydra MT, LLC 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 the 1/4 mile area of review of the proposed location. An application for hearing on the Montana Board of Oil and Gas Conservation docket has been requested for October 13, 2022.

Kraken Operating, LLC requests variance to not run open hole logs on the subject well.

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

9/6/22 Date  Signed (Agent)

Peter Larsen, VP - Midstream
 Print Name and Title

Telephone: 713-360-7705

BOARD USE ONLY

Approved _____ Date _____

 Name Title

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SUPPLEMENTAL INFORMATION

SEP 07 2022

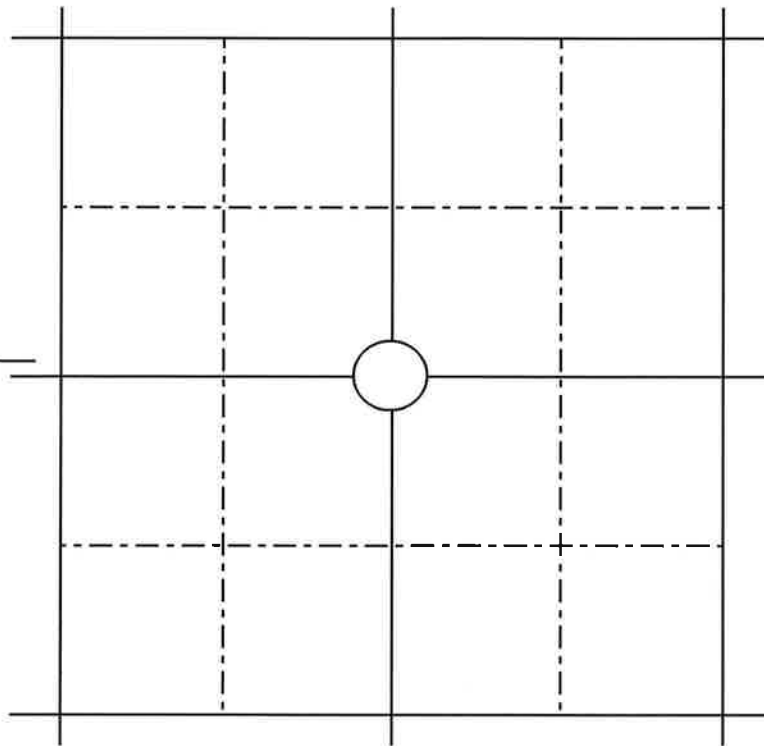
NOTE: Additional information or attachments may be required by Rule or by special request.

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

MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Range 59

Township 25



BOARD USE ONLY

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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 ARM 36.22.307, 601, 605,
 1003, 1004, 1011, 1013,
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City Houston	State TX	Zip Code 77024	Well Number: 18-1H SWD
Telephone 713-360-7705	Fax 713-360-7712	Unit Agreement Name:	
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BOARD USE ONLY	
Approved _____	Date _____
_____	_____
Name	Title

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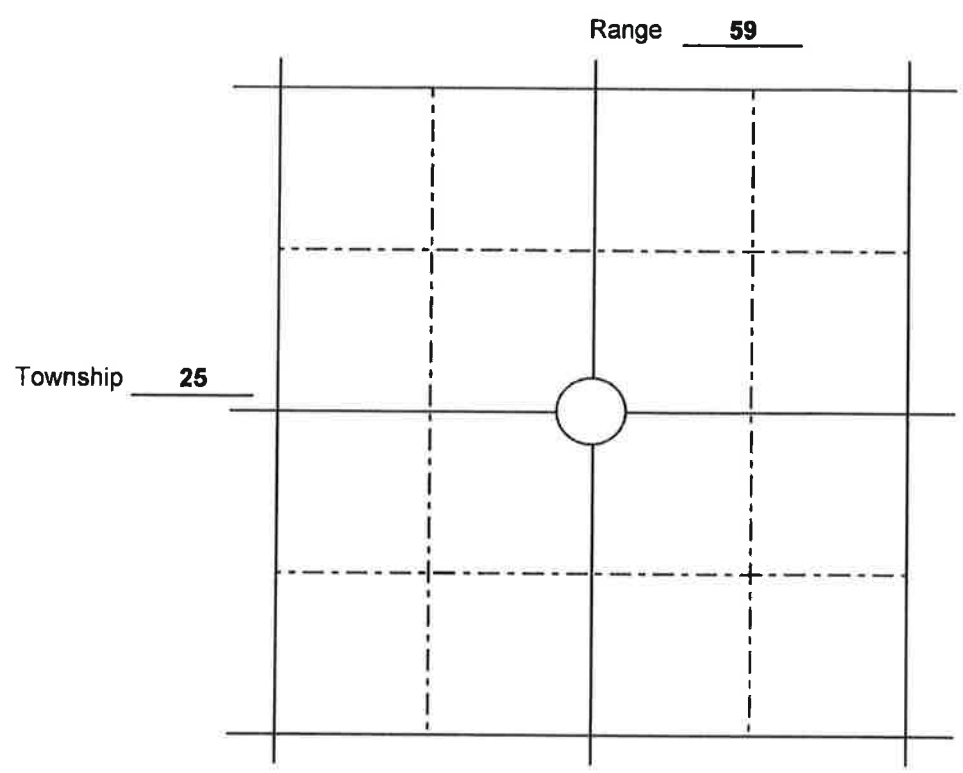
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Peter Larsen, VP - Midstream
Print Name and Title

Telephone: 713-360-7705

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Name Title

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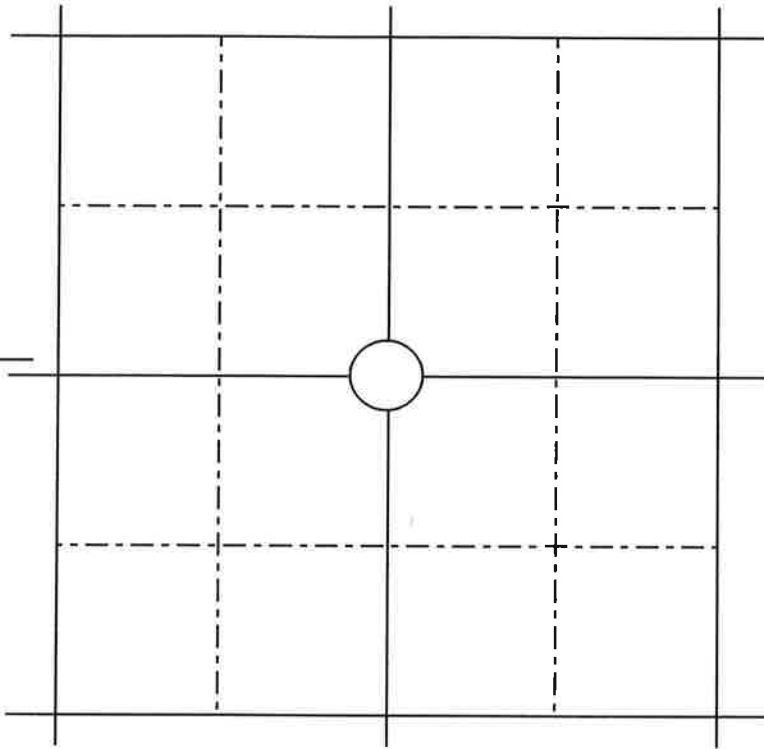
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GAS CONSERVATION • BILLINGS

Range 59

Township 25



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BILLINGS, MONTANA 59102**

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SUNDRY NOTICES AND REPORT OF WELLS

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Kraken Operating, LLC requests variance to not run open hole logs on the subject well.

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

9/6/22 
 Date Signed (Agent)
Peter Larsen, VP - Midstream
 Print Name and Title
 Telephone: 713-360-7705

BOARD USE ONLY

Approved _____
 Date _____

 Name Title

SUPPLEMENTAL INFORMATION

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

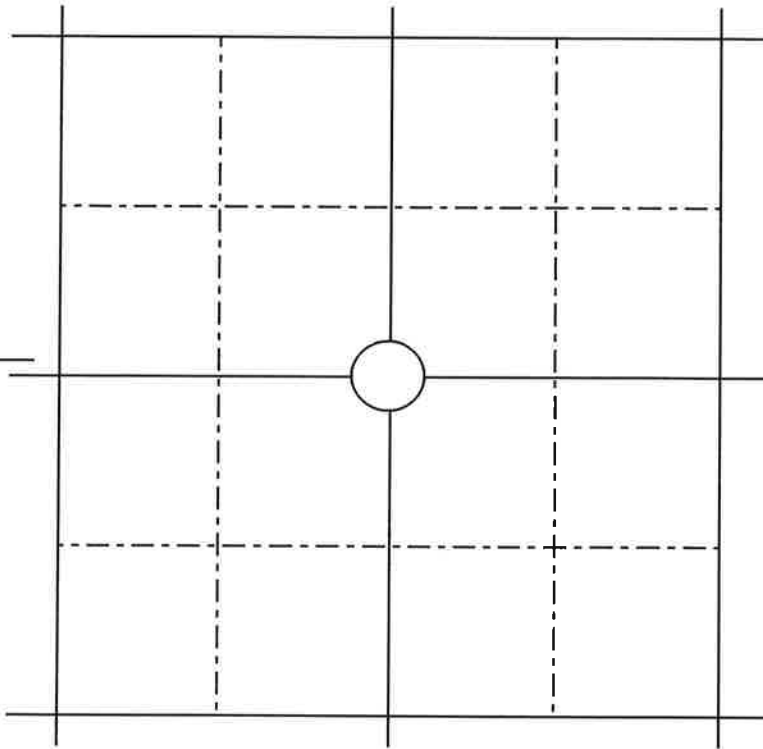
SEP 07 2022

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

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

Range 59

Township 25



BOARD USE ONLY

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

Appendix VI: Completion Procedure
Montana Board of Oil & Gas Commission
Underground Injection Control – Permit Application

Hydra MT, LLC
Leonardo 18-1H SWD
Richland County, MT

API No: _____

COMPLETION PROCEDURE

September 6, 2022

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Leonardo 18-1H SWD
Richland Co., MT

COMPLETON OVERVIEW

WELL DATA:

Total Well Depth 8,966' MD, 5,703' TVD
GL 1,999'
RKB 26'

Casing

<u>OD</u>	<u>WT</u>	<u>GRADE</u>	<u>CONN</u>	<u>ID</u>	<u>DRIFT</u>	<u>INTERVAL</u>	<u>BURST</u>	<u>COLLAPSE</u>
9-5/8"	36#	J-55	LTC	8.921	8.765	0 – 1880'	3520	2020
7.00"	32#	P-110	BTC	6.094	5.969	0 – 8966'	11640	10760

Tubing (PROPOSED)

<u>OD</u>	<u>WT</u>	<u>GRADE</u>	<u>CONN</u>	<u>ID</u>	<u>DRIFT</u>	<u>INTERVAL</u>	<u>BURST</u>	<u>COLLAPSE</u>
4-1/2"	11.6	J55 IPC	LTC	3.875	3.863	0 – 4,840'	5350	4960

Objective:

A. OPERATIONAL REQUIREMENTS

1. Prior to each major operation, hold a 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 well bore.

B. 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 2-400 bbl tanks.
4. Move in and unload 9000' 2-7/8" PH6 work string on pipe racks.

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**Leonardo 18-1H SWD
Richland Co., MT**

- a. Visually inspect before use.
5. Install a 7-1/16" 5000 psi BOP with 2-7/8" pipe rams/blind rams and a 5000 psi Washington Head.
6. Pick up and go in hole with a used 6" rock bit w/2-7/8" work string.
7. Trip in hole to Float Collar at est. depth of 8,926'.
8. Circulate hole w/10# brine.
9. TOOH. LD first 400'. Stand back rest of string.
10. Rig up Wireline and Run CBL to verify cement across and above the Dakota.
11. RU Coil Tubing to Perforate the Dakota (all perfs = 1 spf, 72 degree phasing). Pump proppant to jet cut perforations in 7" casing. Determine shot depths based off of CBL.
12. Trip in hole with 7" packer on 2-7/8" work string and set packer 4,840' to acidize the perfs.
13. 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 tbv 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. Release packer and trip out of hole with 2-7/8" work string. Lay down work string and packer.
15. Trip in hole with 7.00" Arrowset 1-X Nickel coated packer and 4-1/2" tubing. Set packer at 4,840' and displace annulus with 10 ppg brine treated with packer fluid chemical.
16. 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.
17. Rig down and move out workover rig.

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P.O. Box 972
MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

ASTRO-CHEM LAB, INC.

4102 2nd Ave. W.

Williston, North Dakota 58802-0972

Phone: (701) 572-7355

WATER ANALYSIS REPORT

Sample Number: 20-00973

Date of Analysis: 3/11/2020

Company: Kraken Operating, LLC.

City: Houston

State: TX

Well Number: Taylor 14-23-1H

Sample Source: Test Separator

Date Received: 3/10/2020

Date Sampled: 3/4/2020

Formation:

Depth:

Location:

Section:

Twp:

Rng:

County:

Distribution: Distribution List

Resistivity @ 77 °F 0.044 Ohm-Meters

pH 5.93

Specific Gravity @ 77 °F 1.180

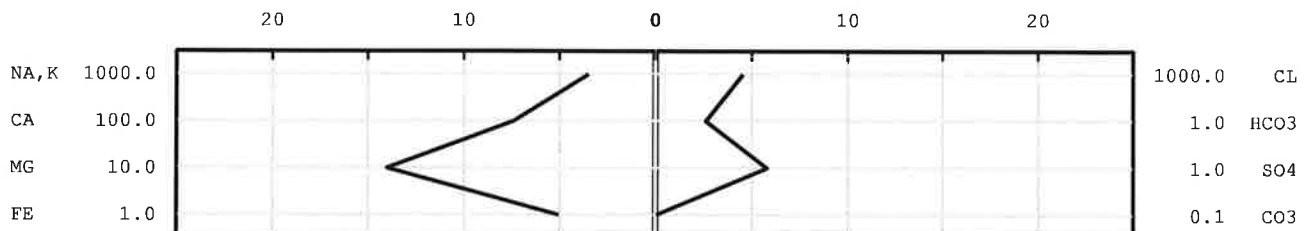
H₂S Negative

Total Dissolved Solids (Calculated) 264737 mg/L 224353 ppm

Sodium Chloride (Calculated) 265426 mg/L 224937 ppm

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	740.0	14830	CHLORIDE	4540.2	160964
MAGNESIUM	140.0	1701	CARBONATE	0.0	0
SODIUM	3497.2	80400	BICARBONATE	2.6	159
IRON	5.0	93.9	SULFATE	5.8	278
CHROMIUM	0.1	0.9	NITRATE	0.0	0
BARIUM	0.6	40.9			
POTASSIUM	142.5	5570			
STRONTIUM	15.5	680.0			
ZINC	0.6	19.5			

WATER ANALYSIS PATTERN



Remarks: Sampled by Ben Borg

Analyzed By: C. Jungels

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ASTRO-CHEM LAB, INC.

4102 2nd Ave. W.

Williston, North Dakota 58802-0972
Phone: (701) 572-7355

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P.O. Box 972
MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

WATER ANALYSIS REPORT

Sample Number: 20-00976

Date of Analysis: 3/11/2020

Company: Kraken Operating, LLC.

City: Houston

State: TX

Well Number: Taylor 14-23-2H

Sample Source: Test Separator

Date Received: 3/10/2020

Date Sampled: 3/8/2020

Formation:

Depth:

Location:

Section:

Twp:

Rng:

County:

Distribution: Distribution List

Resistivity @ 77 °F 0.042 Ohm-Meters

pH 5.90

Specific Gravity @ 77 °F 1.190

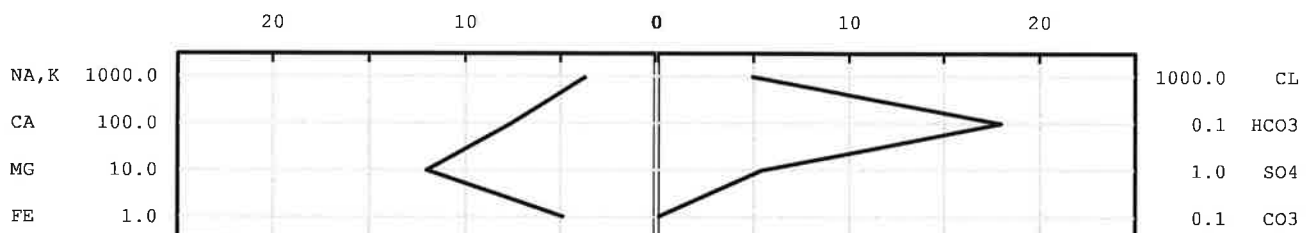
H₂S Negative

Total Dissolved Solids (Calculated) 280474 mg/L 235693 ppm

Sodium Chloride (Calculated) 285209 mg/L 239672 ppm

CATION	MEQ/L	mg/L	ANION	MEQ/L	mg/L
CALCIUM	760.0	15230	CHLORIDE	4878.6	172961
MAGNESIUM	120.0	1458	CARBONATE	0.0	0
SODIUM	3653.8	84000	BICARBONATE	1.8	110
IRON	4.8	89.7	SULFATE	5.4	260
CHROMIUM	0.1	0.9	NITRATE	0.0	0
BARIUM	0.6	44.6			
POTASSIUM	143.5	5610			
STRONTIUM	15.7	690.0			
ZINC	0.6	20.4			

WATER ANALYSIS PATTERN



Remarks: Sampled by Ben Borg

Analyzed By: C. Jungels

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Underground Injection Control (UIC) Permit

Appendix 6 – List of Surface Ownership

T25N-R59E: Section 17: NW4

Nathan Paulson and Yvette A. Carraza
16827 SE Fragrance Ave
Milwaukie, OR 97267

T25N-R59E: Section 8: S2

Four Mile Farms
34946 County Road 140
Fairview, MT 59221-9396

T25N-R59E: Section 18: N2N2

Loren H. Young & Jaclyn R. Young
13705 County Road 351
Fairview, MT 59221

Daniel L. Young

13689 County Road 352
Fairview, MT 59221-9419

T25N-R59E: Section 7: S2

Stickville Revocable Trust DTD 4/27/2012
35001 County Road 141
Fairview, MT 59221-9202

T25N-R59E: Section 17: E2

Elroy & Ruth Kittleson
14199 County Road 347
Fairview, MT 59221

T25N-R58E: Section 13: E2

Guy & Charlene Pontoriero
13689 County Road 140
Fairview, MT 59221-9419

T25N-R58E: Section 12: SE4

Four Mile Farms
34946 County Road 140
Fairview, MT 59221-9396

Appendix 6 – List of Mineral Ownership

T25N-R59E: Section 17: NW/4, NE/4

Marvin Paulson
2232 Hillside Drive
Missoula, MT 59803

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MONTANA BOARD OF OIL &
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Nathan Paulson
16827 SE Fragrance Ave.
Milawukie, OR 97267

Richard A. Larsen, Life Estate
2502 3rd St. NW
Sidney, MT 59270

Richard A. Larsen
79-385 Bermuda Dunes Dr.
Bermuda Dunes, CA 92203

Shawna Casey
1437 Wilkes Way SE
Rio Rancho, NM 87124

Hurleyn Ginther-Hanson/Ginther
P.O. Box 6
Fallon, MT 59326

Knapp Oil Corporation
P.O. Box 786
Sidney, MT 59270

Walter E. Johnson Irr Trust
P.O. Box 1088
Williston, ND 58802

Elroy & Ruth Kittleson
14199 County Road 347
Fairview, MT 59221

Art & Karen Dehn Rev Trust
44 Pinehurst Dr.
Sheridan, WY 82801

Janeet Lee Gabriel Living Trust
8821 NE Juainta DR.
Kirkland, WA 98034

Gary B. Sedlacek
3040 Stephanie Drive
Dickinson, ND 58601

Gail M. Harper
16072 35th St. NW
Fairview, MT 59221

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MONTANA BOARD OF OIL &
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Phoenix Capital Group Holdings, LLC
PO Box 363
El Segundo, CA 90245

Dianne Murray
22855 East Country Vista Dr. #467
Liberty Lake, WA 99019

Gary Malsam
PO Box 393
Fairview, MT 59221

T25N-R59E: Section 7: S2, N2SE4, S2S2

Alma Christiansen
P.O. Box 5
Fairview, MT 59221

Rodger Christiansen
3496 County Road 140
Fairview, MT 59221

Richard Christiansen
P.O. Box 511
Fairview, MT 59221

Donna Umback
35163 County Road 140
Fairview, MT 59221

Diane Miller
P.O. Box 550
Fairview, MT 59221

Maryann Danielson
3051 160th Ave. NW
Fairview, MT 59221

Chris Vanderhoof
20418 Highway 41 North
Rathdrum, ND 58858

Bridgepoint Mineral Acquisition
P.O. Box 10457
Midland, TX 79701

Hat Creek Royalty
P.O. Box 3240
Midland, TX 79702

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

Viola L. Jacobson
4701 North 68th St. Apt 124
Scottsdale, AZ 85251

Thomas G. Dorough Trust Partnership
P.O. Box 1196
Englewood, CO 80150

Kenneth J. Presley & Ethelee Presley
7582 S. Newport Ct.
Englewood, CO 80112

Yellowstone Boys and Girls Ranch Foundation
P.O. Box 80807
Billings, MT 59108

Nancy Ellis Schmidt
661 Floral Ave. C5
New Braunsfels, TX 78130

Margaret Elizabeth Cline
1060 Allen Ave.
New Braunsfels, TX 78130

Henry W. Ellis
2741 Morning Moon
New Braunsfels, TX 78132

John Thomas Ellis
9012 Gainsborough
Spring Branch, TX 78070

Frost Interest, Ltd
P.O. Box 27767
Houston, TX 77227-7767

Frost Oil Partnership
5555 San Felipe, Ste 200
Houston, TX 77056

K.G. McCann Sr.
206 North 60th St.
Seattle, WA 98103

Mark Presley
505 Lakeview Road
Westcliffe, CO 81252

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MONTANA BOARD OF OIL &
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Dena Presley
505 Lakeview Road
Westcliffe, CO 81252

Judy Sheridan
8694 E. Monmouth Pl.
Denver, CO 80237

Carole McCann
PO Box 33
Fulshear, TX 77441

Kenneth G. McCann & Aleta McCann Living Trust
121 North Post Oak Lane #1701
Houston, TX 77024

Estate of Gerald Wayne McCann
C/O Delyse Jaeger & Kelly Keen
1838 W. FM 1291
Round Top, TX 78954

John D. McCann
PO Box 982
Fulshear, TX 77441

Working Interest Parties

Columbus Energy Corporation
700 Lincoln Street, Ste 1800
Denver, CO 80205

Arnold Greenberg
6650 West Lakeridge Road
Lakewood, CO 80227

Cow Gulch Oil Company
854 Equitable Building
Denver, CO 80202

Segal Oil & Gas, Inc.
10 East 70th St
New York, NY 10021

Gross Resources Limited Partnership
300 East 54th St, Apt 21k
New York, NY 10022

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLING

East End Energy, Inc.
735 Seven Ponds Town Road
Southampton, NY 11968

Wendy Galof Melina
500 East 83rd, Apt 21M
New York, NY 10028

Mark S. Gatof
344 Black Forest Road
Glen Spey, NY 12737

TGC Limited Partnership
107 John St.
Southport, CT 06890

Everyln R. Segal Trust
130 East 67th St. Apt 2E
New York, NY 10021

Kraken Oil & Gas, LLC
9805 Katy Freeway, Ste 300
Houston, TX 77024

T25N-R59E: Section 18: NE/4

Yellowstone Boys and Girls Ranch
P.O. Box 80807
Billings, MT 59108

Tom Dorough LLC
P.O. Box 1196
Englewood, CO 80150

Kenneth Presley and Ethelee Presley
7582 S. Newport Ct.
Englewood, CO 80112

Frost Oil Partnership, c/o Mercer Global Advisors Inc.
5555 San Felipe, Ste 200
Houston, TX 77056

Frost Interests, LTD, LLP Revocable Trust c/o Amegy Bank
P.O. Box 27767
Houston, TX 77227-7767

KG McCann Sr.
206 North 60th St.
Seattle, WA 98103

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MONTANA BOARD OF OIL &
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McCann Family Royalty Trust
206 North 60th St.
Seattle, WA 98103

Danette S. Chimenti Revocable Trust
200 The Circle
Austin, TX 78704

Jeffrey S. Chimenti
14 East Legacy Point Circle
The Woodlands, TX 77382

Brian T. Chimenti
66 Hallbrook Way
The Woodlands, TX 77389

Henry W. Ellis, III
2741 Morning Moon
New Braunsfels, TX 78132

John Thomas Ellis
9012 Gainsborough
Spring Branch, TX 78070

Margaret Elizabeth Cline
1060 Allen Ave.
New Braunsfels, TX 78130

Nancy Ellis Schmidt
661 Floral Ave. C5
New Braunsfels, TX 78130

Mason Schmidt
1060 Allen Ave
New Braunsfels, TX 78130

Helen M. Snedigar
60 Parklane Dr.
Kalispell, MT 59901

Lois M. Yeager
HC 86- Box 2980
Merrifield, MN 59468

Thomas Yeager
7299 Paradise Dr. North
Nisswa, MN 56468

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MONTANA BOARD OF OIL &
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Leon Yeager
Star Route Box 391 A
Merrifield, MN 56465

Suzanne Georges
HCR2, Box 155
Pequot Lakes, MN 56472

Shirley Collings
402 May St.
Brainerd, MN 56401

Harold H. Vanderhoof
23831 Welby Way
West Hills, CA 91307

Working Interest Parties

Costilla Petroleum Corporation
400 West Illinois, Ste 1000
Midland, TX 79701

Prima Exploration, Inc.
250 Fillmore St. Ste 500
Denver, CO 80206

Gunlikson Petroleum, Inc.
17 Brookhaven Trail
Littleton, CO 80123

Niwot Resources, LLC
7053 South Oneda Circle
Englewood, CO 80112

Empire North Dakota, LLC
2200 South Uitca Place STE 150
Tulsa, OK 74114

Monkota Petroleum Corp.
PO Box 77
Sidney, MT 59270

Empire Petroleum Company
1203 East 33rd St, STE 250
Tulsa, OK 7405

Sun Valley Energy, LLC
PO Box 470188
Forth Worth, TX 76147

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T25N-R59E: Section 8: SW/4

Alma Christiansen
P.O. Box 5
Fairview, MT 59221

Rodger Christiansen
3496 County Road 140
Fairview, MT 59221

Richard Christiansen
P.O. Box 511
Fairview, MT 59221

Donna Umback
351 County Road 140
Fairview, MT 59221

Diane Miller
P.O. Box 550
Fairview, MT 59221

Maryann Danielson
3051 160th Ave. NW
Fairview, MT 59221

Chris Vanderhoof
20418 Highway 41 North
Rathdrum, ID 83858

Bridgepoint Mineral Acquisition
P.O. Box 10457
Midland, TX 79701

Hat Creek Royalty
P.O. Box 3240
Midland, TX 79702

Working Interest Parties

Kraken Oil & Gas, LLC
9805 Katy Freeway, Ste 300
Houston, TX 77024

T25N-R58E: Section 13: E2

Penroc Oil Corporation
P.O. Box 2769
Hobbs, NM 88241-5971

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GAS CONSERVATION • BILLINGS

Henry W. Ellis
2741 Morning Moon
New Beaunfels, TX 78132

Ora Louise Cox Reynold
6335 W. Northwest Highway #1012
Dallas, TX 75225

Michael M. Reynolds 2007 Lifetime Trust
815 Brzaos Street, Suite 501
Austin, TX 78701

Katherine B. Reynolds 2007 Lifetime Trust
1 Harbor Drive #2209
Sausalito, CA 94965

Joel T. Williams, III Family Lmt Partnership
4323 Lorraine Ave.
Dallas, TX 75205

Jan Williams Graham Family Lmt Partnership
9 Greenway Plaza, Suite 3030
Houston, TX 77046

Bright & Schiff
2540 King Arthur Blvd Suite 234
Lewisville, TX 75056

Venable Ranch, LLC
5910 North Central Expressway, Suite 1470
Dallas, TX 75206

Kendall L. Read
916 Little Lead Ct.
Longmont, CO 80503

Jason B. Rouse
2021 Dragoon Court
Castle Rock, CO 80109

M. Scott Homsher
4295 South Fox Street
Englewood, CO 80110

Thomas M. Murphy
5 Inverness Drive East
Englewood, CO 80112

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Robert L. Vesco, Jr.
5 Inverness Drive East
Englewood, CO 80112

Michelle M. Tillmanns
5 Inverness Drive East
Englewood, CO 80112

Melissa A. Caballero
5 Inverness Drive East
Englewood, CO 80112

Christian M. Tamondong
5 Inverness Drive East
Englewood, CO 80112

Riva Isaacs, LLC
5 Inverness Drive East
Englewood, CO 80112

K. Rebecca Rector
152 Old Colony Ave. #122
Boston, MA 02127

Michael H. Rector
1030 Colt Circle
Castle Rock, CO 80109

Megan H. Rector
840 South High Street
Denver, CO 80209

Suzanne Rourke Smith
10430 Stewart Dr.
Eagle River, AK 99577

Blackbear Oil & Gas, LLC
5 Inverness Drive East
Englewood, CO 80112

Blackland Petroleum
17190 E Dorado Place
Centennial, CO 80015

Dakota Ventures I, LLC
9716 Sunset Hill Circle
Lonetree, CO 80124

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

Dee Bentley, Inc.
5 Inverness Drive East
Englewood, CO 80112

Goldline Creek, LLC
1550 Market Street Suite 450
Denver, CO 80202

Grandhaven Energy, LLC
1550 Market Street Suite 450
Denver, CO 80202

Kenneth J. Kundrik
5 Inverness Drive East
Englewood, CO 80112

Zephyr Williston, LLC
1 Shipwright Street
Annapolis, MD 21401

Prime Energy Corporation
9821 Katy Freeway, Suite 1050
Houston, TX 77024

Marshall Resources, LLC
5 Inverness Drive East
Englewood, CO 80112

Wilbanks Acquisitions II, LLC
1610 Wynkoop St, Suite 200
Denver, CO 80202

Zephyr Bakken, LLC
1 Shipwright Street
Annapolis, MD 21401

Vesco Family LLLP
5 Inverness Drive East
Englewood, CO 80112

ROEC, Inc.
PO Box 490
Grand Junction, CO 81502

Paragon Oil & Gas, LLC
9640 Red Oakes Place
Highland Ranch, CO 80126

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Poplar Energy Company, LLC
7131 South Poplar Court
Centennial, CO 80209

Bluebonnet Energy Corp.
5 Inverness Drive East
Englewood, CO 80112

S&S Energy, Inc.
5 Inverness Drive East
Englewood, CO 80112

T25N-R58E: Section 12: SE4

Debra D. Hollister
1620 Front ST.
Billings, MT 59101

Dean A. Jacobson Residuary Trust
1537 Calle de Cinco
LaJolla, CA 92037

Jana L. Clinton
127 Sulgrave Court
Sterling, VA 22170

Michael G. Miller
4701 N. 68th St., Apt. 124
Scottsdale, AZ 85251

Jennifer Powers
1537 Calle de Cinco
LaJolla, CA 92037

Stefani M. Powers
1537 Calle de Cinco
LaJolla, CA 92037

Jeffrey D. Powers
1537 Calle de Cinco
LaJolla, CA 92037

HRC Energy, LLC
1000 Louisiana Street, Suite 1500
Houston, TX 77002

TCG Limited Partnership
929 White Plains Road #406
Trumbull, CT 06611

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MONTANA BOARD OF OIL & GAS CONSERVATION - BILLING

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

IN THE MATTER OF THE APPLICATION OF HYDRA MT LLC FOR HEARING OF ITS REQUEST FOR A UIC PERMIT FOR THE LEONARDO 18-1H SWD WELL, 300' FNL, 1,555' FEL, SECTION 18, TOWNSHIP 25 NORTH, RANGE 59 EAST, M.P.M., RICHLAND COUNTY, MONTANA, FOR THE PURPOSE OF WATER INJECTION WITHIN THE FAIRVIEW FIELD

AFFIDAVIT OF NOTIFICATION

DATE: September 6th, 2022.

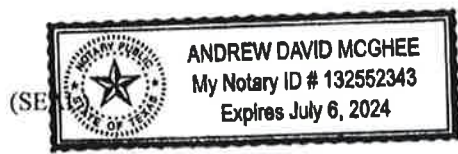
State of Montana)
: ss.
County of Richland)

Justin Payne, being first duly sworn, deposes and says:

That Notice advising of Hydra MT LLC's application for a 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 September, 2022, postage prepaid, First-Class Mail. This affidavit is given as evidence of compliance with A.R.M. 36.22.1410.

Justin Payne (handwritten signature)

Subscribed and sworn to before me this 6 day of September, 2022.



Andrew McGhee (handwritten signature)
Notary Public for the State of TX
Residing at Harris Co.
My Commission expires 7/6/24

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

NOTICE

September 6th, 2022

Four Mile Farms
34946 County Road 140
Fairview, MT 59221-9396

From: Hydra MT LLC
9805 Katy Freeway, Suite 300
Houston, TX 77024

Re: Proposed Private Saltwater Disposal Well

Location of proposed Disposal Well and Facility (Leonardo 18-1H SWD)

NWNE Section 18 Township 25N Range 59E, Richland County, MT

Please be advised that Hydra MT LLC (Hydra) has applied to the Montana Board Oil and Gas Conservation (MBOGC) to drill a saltwater disposal well and construct an associated facility at the above detailed location. Hydra will be seeking a final approval from the MBOGC on October 13th, 2022, at a hearing in Billings, MT at the MBOGC Hearing Room at 2535 St. John's Ave, Billings, MT, beginning at 9:00 am.

Pursuant to the requirements of project application and regulations of the MBOGC, you are hereby notified of this project.

Respectfully,

Justin L. Payne

Justin L Payne
Hydra MT LLC
713-360-7705

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MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS

September 6, 2022

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

Attn: Mr. George Hudak
UIC Program Director

**Re: Application for UIC Permit and Authorization to Drill a Class II Injection Well,
Leonardo 18-1H SWD in NWNE of Sec. 18-T25N-R59E, Richland County, MT**

Dear Mr. Hudak:

Hydra MT, L.L.C. respectfully requests approval of an Underground Injection Control (UIC) permit for the referenced location and as described in the attached application. Hydra has provided notice to appropriate parties within the 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 for October 13, 2022.

If you have any questions concerning the enclosed application, please contact myself at (713) 360-7705.

Sincerely,



Pete Larsen
VP - Midstream
Hydra MT, LLC

RECEIVED

SEP 07 2022

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The following legal ad request was submitted to the Helena Independent Record and the Sidney Herald papers on 9/2/22. At this time Hydra MT has not received affidavits from the papers but will send them into the board once received.

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

In the matter of the application of **HYDRA MT LLC**) NOTICE OF INTENTION TO APPLY
) FOR A CLASS II INJECTION WELL
) PERMIT
)
)

For a Class II injection well permit

1. Name and address of applicant
HYDRA MT LLC
9805 Katy Freeway - Ste: 300
Houston, TX 77024
2. Well (or project) name, county, location
Leonardo 18-1H SWD located 300' FNL and 1555' FEL
NW ¼ NE ¼ of Section 18, T25N, R59E
3. Source of fluids to be injected
Produced Water from nearby Bakken wells
4. Zone or formation into which injection will occur, including depth
DAKOTA from 4796' - 5720'

Pursuant to Rule 36.22.1409, Administrative Rules of Montana, the Montana Board of Oil and Gas Conservation will hold a public hearing upon the application of Hydra MT LLC for a Class II underground injection permit for the well or project set forth above. Said hearing will be held at the Montana Board of Oil and Gas Hearing Room at 2535 St. John's Ave., Billings, Montana, beginning at 9:00 am on Thursday, **(October 13, 2022)**.