FORM NO. 2 R 10/09

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MONTANA BOARD OF OIL & GAS CONSERVATION - BILLINGS

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

Submit In Quadruplicate To:

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

SUNDRY NOTICES AND REPORT OF WELLS

Operator White Rock Oil & Gas, LLC

Address 5810 Tennyson Parkway, Suite 500

City Plano State TX Zip Code 75024

Telephone 214-981-1400 Fax

Lease Name: Candee Switch

Type (Private/State/Federal/Tribal/Allotted): Private

Well Number: 06-07-1H

Location of well (1/4-1/4 section and footage measurements): NWNE, Section 6, T24N, R53E, Footages: 437' FNL, 2596' FEL

Unit Agreement Name:

Field Name or Wildcat: Wildcat Richland

Township, Range, and Section: T24N, R53E, Sec 6

County: Richland

API Number: 25 | 083 | 23595 (State | County | Well)

Well Type (oil, gas, injection, other): Oil

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) Chemical Disclosure	☑	Subsequent Report of Gas Analysis (ARM 36.22.1222)	☐
	☐		☐

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 is respectfully submitting an updated chemical disclosure for the referenced well.

BOARD USE ONLY

Approved SEP 30 2026
Date

Benjamin L Davis
Name

Technical Program Coordinator
Title

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

7/29/2026
Date

Signed (Agent)

Sam Lyness, Regulatory Analyst
Print Name and Title

Telephone: 214-306-4308

SUPPLEMENTAL INFORMATION

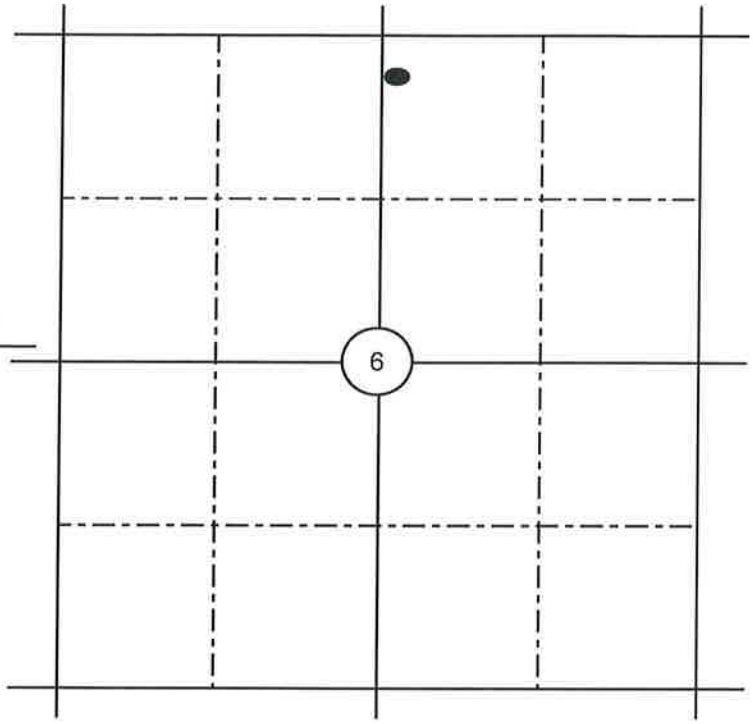
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NOTE: Additional information or attachments may be required by Rule or by special request.

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

Range 53E

Township 24N



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.

Fracture Start Date/Time:	
Fracture End Date/Time:	
State:	Montana
County:	Richland
API Number:	
Operator Number:	
Well Name:	90 Stage
Federal Well:	No
Tribal Well:	No
Longitude:	
Latitude:	
Long/Lat Projection:	
True Vertical Depth (TVD):	10,450'
Total Clean Fluid Volume* (gal):	15,493,950

FracFocus Chemical Disclosure Registry

Additive	Specific Gravity	Additive Quantity	Mass (lbs)
Water	1.00	15,493,950	129,297,813
HCR 7000-WL	1.04	12,600	109,090
ProSurf 171	1.07	15,480	158,223
ProSlick 978	1.08	19,350	174,394
BioSuite GQ123x	1.02	2,340	19,996
ProChek 170	1.00	1,530	12,768
Sand (100 Mesh Proppant)	2.65	2,988,000	2,988,000
Sand (40/70 Mesh Proppant)	2.65	11,952,000	11,952,000
			Total Slurry Mass (Lbs) 144,691,484

vic email / max treating pressure 9,500 psi

Ingredients Section:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**
Water	White Rock O&G	Carrier/Base Fluid	Water	7732-18-5	100.00%	129,297,813	89.36049%
Sand (100 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00%	2,988,000	2.06508%
Sand (40/70 Mesh Proppant)	ProFrac	Proppant	Silica Substrate	14808-60-7	100.00%	11,952,000	8.26033%
HCR 7000-WL	CNR	Acidizing	Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	30.00%	32,727	0.02262%
			Proprietary	Trade Secret	10.00%	10,909	0.00754%
BioSuite GQ123x	BioSuite	Biocide	Glutaral	111-30-8	15.00%	2,999	0.00207%
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, ch	68424-85-1	5.00%	1,000	0.00069%
ProChek 170	ProFrac	Scale Inhibitor	Methyl alcohol	67-56-1	5.00%	638	0.00044%
ProSlick 978	ProFrac	Friction Reducer	Petroleum distillates, hydrotreated light	64742-47-8	40.00%	69,758	0.04821%
			2-Propenoic acid, polymer with 2-propenamide, sodium salt	25987-30-8	35.00%	61,038	0.04218%
ProSurf 171	ProFrac	Surfactant	Methyl alcohol	67-56-1	40.00%	55,289	0.03821%
			Nonionic Surfactant	68603-42-9	10.00%	13,822	0.00955%
			Ethyl alcohol	7647-14-5	40.00%	55,289	0.03821%

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24-09-077

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(SUBMIT IN DUPLICATE)

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

REQUEST FOR TRADE SECRET EXEMPTION

1. Classification of Requesting Party
   ☐ Operator ■ Service Company ☐ Other – Specify _____

2. Full name of the Owner, Operator, or Service Company
   Fluid Energy Ltd.

3. Address 1500-140 10th Ave SE (Address) Calgary (City) Alberta, Canada (State) T2G 0R1 (Zip Code) +1-403-463-5843 (Telephone Number)

4. 82-10-603, MCA requires that an owner, operator, or service company provide the complete disclosure of fracturing fluid. This must include the chemical compound name and the chemical abstracts service (CAS) registry number of the ingredients, including any hazardous components listed on a material safety data sheet as defined in 50-78-102, MCA, the product name, and the type of additive used. In limited situation the identity of the components of the fracturing fluid may be exempt from public disclosure as a "trade secret" under the criteria in 30-14-402, MCA.

I am requesting that the identity of a fracturing fluid component qualify for non-disclosure as a trade secret.

Chemical Family associated with the Chemical Constituent Nitrogenous Base

In order to claim that the identity of the fracturing fluid component is entitled to protection as a trade secret, I understand that I must provide specific information regarding each of the questions set forth in the MBOGC Trade Secret Guidelines. I have attached separate pages setting forth information in response to the questions set forth in the Guidelines.

CERTIFICATE

I declare under penalties of perjury that this request and supporting information have been examined by me and to the best of my knowledge are true, correct and complete.

Karl Dawson

Signature

Karl Dawson, Lab Manager

Print name and title

FOR STAFF USE ONLY:

APPROVED: ☒ Yes ☐ No

Signature Administrator Title 9/17/24 Date

Expires 9/17/27

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Fluid®
A DORF KETAL COMPANY

Fluid Energy Ltd.® | Suite 1500, 140-10th Ave SE, Calgary, AB Canada T2G 0R1 | 403.463.5843 | fluidenergyltd.com

REDACTED VERSION

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

September 17, 2024

CONFIDENTIAL

RE: Request for Trade Secret Exemption – *Enviro-Syn® HCR-7000-WL* Ingredient 1

Dear Montana BOGC,

Fluid Energy Ltd. is requesting a trade secret exemption for one ingredient in its proprietary modified acid product *Enviro-Syn® HCR-7000-WL*. The product contains a trade secret additive that confer several advantages including improved dermal safety, and corrosion protection for equipment. This letter includes the information required to demonstrate compliance with the trade secret requirements of Montana Code Annotated 82-10-604 subsection (1) and is deserving of exemption from public disclosure requirements for Ingredient 1.

a) **Has the ingredient identity, concentrations, or both, as appropriate, have not appeared in a public source or been publicly disclosed:**

To my knowledge the ingredient has not been identified as being a constituent of this product in the FracFocus database or any other public disclosure forum by Fluid Energy Ltd. or any other party.

i. **Pursuant to a federal, state, or local law or regulation**

The identity of the ingredient has not been publicly disclosed by Fluid Energy or, to my knowledge, anyone else, pursuant to any federal, state, or local law or regulation.

ii. **In a professional trade publication**

The identity of the ingredient has not been publicly disclosed by Fluid Energy or, to my knowledge, anyone else in a professional trade publication.

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iii. **Through any other media or publications available to the public or your competing oil and gas owners, operators, or service companies?**

The identity of the ingredient has not been publicly disclosed by Fluid Energy or, to my knowledge, anyone else through any other media or publications available to the public or competing oil and gas owners, operators, or service companies.

b) **To what extent the identity of the identity of the ingredient, its concentrations, or both, as appropriate, are known within a company and how the information is housed in the company and what steps employees, officers, agents, and directors take to prevent disclosure of the information.**

Security procedures are employed as would normally be employed to protect confidential business information (CBI). Employees do not have access to the information unless they have a legitimate business purpose for such information. In addition, all employees are required to sign confidentiality agreements and are instructed not to disclose information to those outside of the company, except in circumstances and following internal corporate confidentiality procedures. Electronic copies of proprietary additive composition information are protected and maintained on a secure internal network, within a file structure to which access is restricted to pre-authorized individuals.

c) **Has any other federal or state entity has determined that the ingredient identity, concentrations, or both, as appropriate, are not entitled to protection from public disclosure.**

No federal or state entity has determined that the ingredient identity is not entitled to protection from disclosure.

d) **How the identity of the ingredient, its concentrations, or both, as appropriate, are commercially valuable to the owner, operator, or service company.**

Fluid has spent a considerable amount of time in developing the *Enviro-Syn® HCR-7000-WL* product line as a safe alternative to hydrochloric acid solutions. In Enviro-

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Syn® HCR-7000-WL the free dissociated proton from the HCl forms a Lewis-Acid-Base Adduct with the proprietary modifier. The activation energy present in the *Enviro-Syn® HCR-7000-WL* is distinct from hydrochloric acid (none) providing distinct advantages. Hydrochloric acid has no activation barriers, and the hydrogen is thus free to react aggressively with all molecules it comes in contact with; i.e. calcite, skin, metals. By the formation of a Lewis-Acid-Base Adduct, we have modified hydrochloric acid into a finished product with a greatly improved HSE profile (non-corrosive to skin) and various technical/performance advantages such as a lower corrosion rate and improved wormholing properties.

The extensive research into a variety of different chemistries highlighted that said modifier as a specific ingredient that could be added to hydrochloric acid solutions to make them much safer with respect to skin corrosion. OECD 404 testing to the US Department of Transportation's criteria has shown that the *Enviro-Syn® HCR-7000-WL* is non-corrosive to skin and, combined with the low corrosion rate on carbon steel, is non-regulated for ground transport providing significant logistical advantages and safety benefits to the public in the event of a transportation-related accident. Another novelty about the ingredient is the fact that it depresses the freezing point of the hydrochloric acid solution to -49 °F. *Enviro-Syn® HCR-7000-WL* can be used also at higher temperatures, up to 374 °F, versus competing modified acid systems, some of which are limited to temperatures below 230 °F, which is also a novel and unique property in the field of modified acids.

e) The ease or difficulty with which the complete composition of the fracturing fluid, including the ingredient identity, concentrations, or both, as appropriate, could be determined because of public disclosure. The information must explain why a systems approach format would not adequately protect a proprietary interest.

As set forth above, Fluid Energy's current practices and controls are intended to ensure that its competitors cannot acquire or duplicate the product information on their own. The ingredient in *Enviro-Syn® HCR-7000-WL* for which confidentiality protection is sought is known within the industry for completely different applications (e.g., chelating agent, chemical scrubber, emulsion stabilizer, lubricant), which means that divulging its identity in a systems approach format would immediately provide Fluid's competitors with knowledge of the primary active ingredients in the product that confers many of the product's advantages. There are

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non-hazardous ingredients within the product that have been disclosed by Fluid Energy Group using the systems approach format and will continue to be disclosed in this manner. If the Product Information was disclosed to the public, Fluid's and its partner's significant investment in resources, time, and money to commercialize this technology would be lost.

Sincerely,

Tom McLoughlin
Director - Technology
Fluid Energy Ltd.

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fluidenergyltd.com

Chemical Information for Enviro-Syn® HCR-7000-WL

Enviro-Syn® HCR-7000-WL		
Component Name	CAS#	Concentration
Hydrochloric Acid	7647-01-0	10-30
Proprietary	Proprietary	5-10

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Davis, Ben

From: Tanner Butler <TButler@whiterockog.com>
Sent: Thursday, September 24, 2026 1:13 PM
To: Davis, Ben
Cc: Eric Linthicum; Sam Lyness
Subject: [EXTERNAL] Candee Wells - White Rock
Attachments: Candee_Switch_06-07-1H_Burst_Evaluation_10ppg.pdf

Ben,

I see now what you are referencing now after reading back through the Candee Switch 6-7-1H APD. The page regarding collapse, burst, tensile calculations for the 7" and safety factors has a typo and says "anticipated surface frac pressure of 5,000 psi" when it should have said just surface pressure. Screenshot attached below. These calcs are related to casing design for drilling operations only. It is a drilling casing design worksheet.

These calcs do not apply for max pressures for frac, as the casing has been cemented and the pre-frac CBLs usually confirm fluid on the backside to surface above cement top. I use a FW gradient of 0.433 psi/ft for backside, however, this is conservative as you have cement to around 3500 feet (CMT TOP) with 10# brine on top to factor into differential.

Attached is the calc summary for evacuated backside and 0.433 psi/ft backside. **I'd like to revise my max treating pressure for all Candee wells to 9500 psi from 10,000 psi.** Math mistake on my part as I did not use 10 ppg for frac fluid (used 9 ppg instead on the 10,000 psi submission). 10 ppg closer to realistic for higher prop loadings. This still achieves a 1.2 safety factor with an assumed backside gradient of 0.433.

I also included evacuated backside calcs in the attachment – not only would this not fly here, but most operators in the basin would have to significantly lower their treating pressures if an evacuated backside threshold was set for treating pressure. We'd be limited to 5,534 psi on the 7" with a 1.2 SF, and no one is limiting their fracs to this in Bakken with this current casing design and modern day pump schedules. As always, we set a plug in the 4-1/2" liner top and test the 7" to max treating pressure for 30 minutes prior to frac.

Let me know if you need anything else or have further questions.