

Submit In Quadruplicate To:

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

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JUL 27 2022

SUNDRY NOTICES AND REPORT OF WELLS

MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

Operator **White Rock Oil & Gas, LLC**

Address **5810 Tennyson Parkway**

City **Plano** State **TX** Zip Code **75024**

Telephone **214-981-1400** Fax **214-981-1401**

Lease Name:

BR 24-27H

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

FEE

Well Number:

52

Location of well (1/4-1/4 section and footage measurements):

SESW 200FSL and 2520FWL

Unit Agreement Name:

Field Name or Wildcat:

Elm Coulee

Township, Range, and Section:

25N-52E-27

API Number:

25 | **083** | **22505**
State County Well

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

Oil

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>Chemical disclosure</u> | <input checked="" type="checkbox"/> | Subsequent Report of Gas Analysis (ARM 36.22.1222) | <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.

Please see the attached is the frac disclosure for frac approval prior to the stimulation.

BOARD USE ONLY

Approved AUG 01 2022
Date

[Signature]
Name
Petroleum Engineer
Title

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

7/25/2022
Date
[Signature]
Signed (Agent)

Eric Linthicum, Regulatory Manager

Print Name and Title

Telephone: 214-666-4826

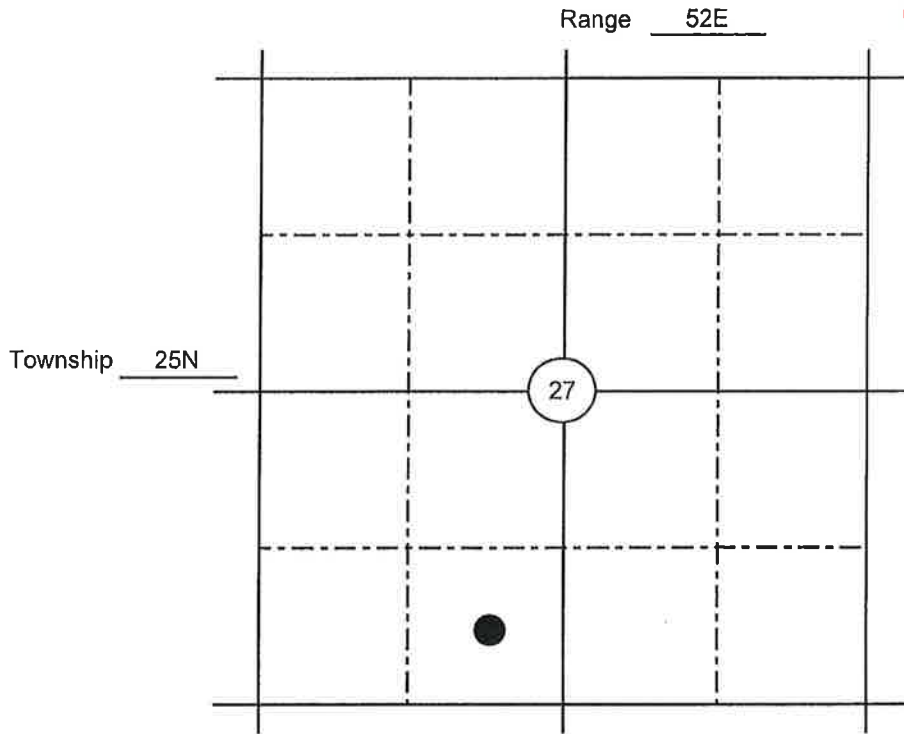
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SUPPLEMENTAL INFORMATION

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.

08322505

White Rock Oil and Gas Proposed Well Stimulation

Total Clean Fluid - 54,280 bbl

Maximum Anticipated Treating Pressure - 9,000 psi

Hydraulic Fracturing Fluid Components Information Disclosure

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	CUSTOMER	BASE FLUID	Water	7732-18-5	100.00%	18990401	88.727954%
FRAC SAND (ALL MESH)	PROPPANT SPECIALTIES	PROPPANT	CRYSTALLINE SILICA	14808-60-7	100.00%	2324000	10.858321%
HCL 7.5%-15%	INDUSTRIAL CHEMICAL	HYDROCHLORIC ACID	HYDROCHLORIC ACID	7647-01-0	10.00%	3063	0.014500%
ECONO-0300	ECONOMY POLYMERS	ACID CORROSION INHIBITOR	Water	7732-18-5	90.00%	27563	0.128775%
EP-H51	ECONOMY POLYMERS	IRON SEQUESTERING AGENT	Methanol Propargyl alcohol Nitroacetic Acid, Tri sodium salt	67-56-1 107-19-7 5064-31-3	60.00%	51	0.00239%
			Sodium Hydroxide	1310-73-2	42.00%	81	0.000580%
			Water	7732-18-5	80.00%	116	0.000542%
DMUL150	IRON HORSE CHEMICALS	DEMULSIFIER	Isopropyl alcohol Alcohol ethoxylate	67-63-0 68439-46-3	70.00%	11315	0.052864%
			2-Propanoic acid, polymer with 4-(1,1-dimethylethyl)phenol, formaldehyde, 2,5-furandione, methylloxirane, 4-tertbutylphenol and oxra	129828-31-5	20.00%	3233	0.015104%
			Solvent naphtha (aromatic), Heavy arom.	64742-94-5	10.00%	1616	0.007552%
			Naphthalene	91-20-3	1.00%	162	0.000755%
LIQUID BIOCID	VARIOUS SUPPLIERS	BIOCID	1-Decanaminium, N-Decyl-N-Dimethyl, chloride	7173-51-5	12.00%	353	0.001647%
TSI-500	ECONOMY POLYMERS	SCALE INHIBITOR	Ethyl alcohol	64-17-5	3.00%	88	0.000412%
WFO-F	IRON HORSE CHEMICALS	FRESH WATER HYFR	Hydrotreated light distillate (petroleum) Polyoxy-1,2-ethanediyl, alpha-tridecyl-omega-hydroxy, branched Polvacete Resin	107-22-1 64742-47-8 59011-96-5	40.00% 45.00% 5.00%	2070 12312 1388	0.009673% 0.057525% 0.005932%
CEMVERT- D525	DIVERTER PLUS	DIVERTING AGENT		9051-89-2	100.00%	6000	0.028034%

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