

Submit In Quadruplicate To:
MONTANA BOARD OF OIL AND GAS CONSERVATION
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102

RECEIVED
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:
4J Ranch

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

Well Number:
44X-27

Location of well (1/4-1/4 section and footage measurements):
SESE 900FSL and 500FEL

Unit Agreement Name:

Field Name or Wildcat:
Elm Coulee

Township, Range, and Section:
24N-57E-27

API Number:
25 | 083 | 22095
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
- Notice of Intention to Run Mechanical Integrity Test
- Notice of Intention to Stimulate or to Chemically Treat
- Notice of Intention to Perforate or to Cement
- Notice of Intention to Abandon Well
- Notice of Intention to Pull or Alter Casing
- Notice of Intention to Change Well Status
- Supplemental Well History
- Other (specify) _____

- Subsequent Report of Mechanical Integrity Test
- Subsequent Report of Stimulation or Treatment
- Subsequent Report of Perforation or Cementing
- Subsequent Report of Well Abandonment
- Subsequent Report of Pulled or Altered Casing
- Subsequent Report of Drilling Waste Disposal
- Subsequent Report of Production Waste Disposal
- Subsequent Report of Change in Well Status
- 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.

The well is planned to be a plug and perf re-entry refrac in Richland County, MT. A 3-1/2" liner was run inside one of the existing 5" uncemented liner. Please see attached report.

Also attached is the frac disclosure for frac approval prior to the stimulation.

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

BOARD USE ONLY

Approved **AUG 01 2022**
Date

 [Signature] **Petroleum Engineer**
Name Title

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

Eric Linthicum, Regulatory Manager

Print Name and Title

Telephone: **214-666-4826**

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.

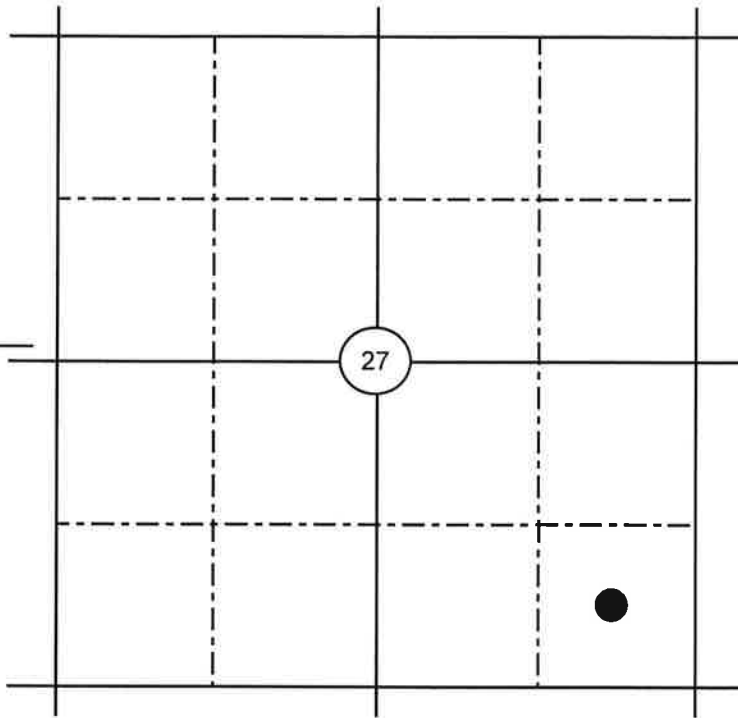
RECEIVED

JUL 27 2022

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

Range 57E

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.

08322095

White Rock Oil and Gas Proposed Well Stimulation

Total Clean Fluid - 54,280 bbls

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	88.771994%
FRAC SAND (ALL MESH)	PROPPANT SPECIETIES	PROPPANT	CRYSTALLINE SILICA	14808-60-7	100.00%	2324600	10.858321%
HCL 7.5%-15%	INDUSTRIAL CHEMICAL	HYDROCHLORIC ACID	HYDROCHLORIC ACID	7647-01-0	10.00%	3063	0.014809%
ECONOMY-C190	ECONOMY POLYMERS	ACID CORROSION INHIBITOR	WATER	7732-18-5	90.00%	27563	0.128779%
			Methanol	67-56-1	60.00%	51	0.000239%
EP-H51	ECONOMY POLYMERS	IRON SEQUESTERING AGENT	Propargyl alcohol	107-19-7	10.00%	9	0.000040%
			Nitroacetic Acid, Trisodium Salt	5064-31-3	42.00%	81	0.000380%
			Sodium Hydroxide	1310-73-2	2.00%	4	0.000018%
			Water	7732-18-5	60.00%	116	0.000542%
DMUL150	IRON HORSE CHEMICALS	DEMULTIFER	Isopropyl alcohol	67-63-0	70.00%	1315	0.052864%
			Alcohol ethoxylate	68439-46-3	20.00%	333	0.015104%
			4-(1,1-dimethyl-2-phenyl-2-propenoic acid, polymer with 2,5-furandione, methyloxitane, 4-nonylphenol and octa	1296282-31-5	20.00%	323	0.015104%
			Solvent naphtha (petroleum), 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,N-dimethyl-, chloride	7173-51-5	12.00%	359	0.001647%
			Ethyl alcohol	64-17-5	3.00%	88	0.000412%
131-900	ECONOMY POLYMERS	SCALE INHIBITOR	Ethylene glycol	107-21-1	40.00%	2070	0.009673%
VFO-F	IRON HORSE CHEMICALS	FRESH WATER HYR	Hydrated light distillate (petroleum)	64742-47-8	45.00%	1312	0.057525%
			Polyox-1,2-ethanediyl, alpha, -triethyl-, omega-hydroxy-, branched	59011-36-5	5.00%	1368	0.006392%
CEMVERT+ 0525	DIVERTER PLUS	DIVERTING AGENT	Polacrifone Resin	9051-88-2	100.00%	6000	0.028094%

RECEIVED

JUL 27 2022

MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

08322095