

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:  
Shirley .

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

Well Number:  
44X-28 .

Location of well (1/4-1/4 section and footage measurements):  
SESE 300FSL and 660FEL .

Unit Agreement Name:

Field Name or Wildcat:  
Elm Coulee .

Township, Range, and Section:  
24N-57E-28 .

API Number:  
25 | 083 | 22352 .  
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 <u>JUL 29 2022</u>	Date
	Petroleum Engineer
Name	Title

<u>7/25/2022</u>	Date
	Signed (Agent)
Eric Linthicum, Regulatory Manager	
Print Name and Title	
Telephone: <u>214-666-4826</u>	

**SUPPLEMENTAL INFORMATION**

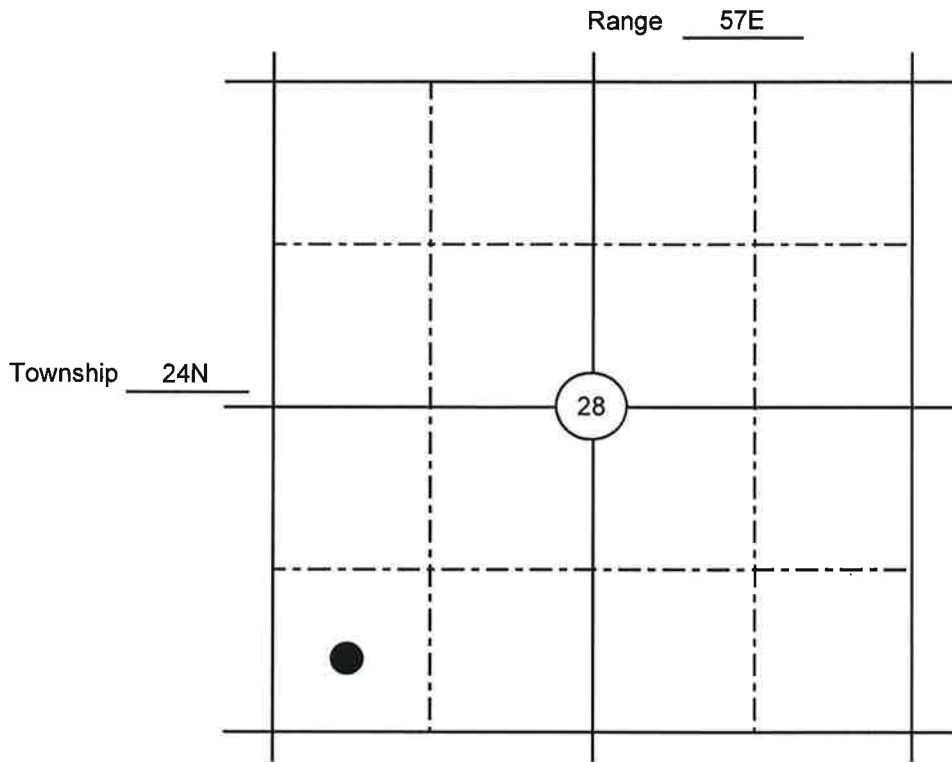
NOTE: Additional information or attachments may be required by Rule or by special request.

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.

08322352

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	88.727994%
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	0.014309%
ECONO-CL300	ECONOMY POLYMERS	ACID CORROSION INHIBITOR	Water	7732-18-5	90.00%	27563	0.128779%
EP-H51	ECONOMY POLYMERS	IRON SEQUESTERING AGENT	Methanol Propargyl alcohol Nitroacetic Acid, Trisodium Salt Sodium Hydroxide	67-56-1 107-19-7 5064-31-3 1310-73-2	60.00% 10.00% 42.00% 2.00%	51 9 81 4	0.000299% 0.000406% 0.000909% 0.000318%
DMULISO	IRON HORSE CHEMICALS	DEMULSIFIER	Water	7732-18-5	60.00%	116	0.000542%
			Isopropyl alcohol Alcohol ethoxylate	67-63-0 68439-46-3	70.00% 20.00%	11315 3233	0.052864% 0.015104%
			2-Propenoic acid, polymer with 4-(1,1-dimethylethyl)phenol, formaldehyde, 2,5-furandione, methyloxirane, 4-nonylphenol and o-xirane				
			Solvent naphtha (petroleum), Heavy arom.	129828-31-5	20.00%	3233	0.015104%
			Naphthalene	64742-94-5	10.00%	1616	0.007552%
LIQUID BIocide	VARIOUS SUPPLIERS	BIocide	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	91-20-3	1.00%	162	0.000755%
			Ethyl alcohol	7179-51-5	12.00%	353	0.001647%
TSH-500	ECONOMY POLYMERS	SCALE INHIBITOR	Ethylene Glycol	64-17-5	3.00%	88	0.000412%
VFLO-F	IRON HORSE CHEMICALS	FRESH WATER HVFR	Hydro-treated light distillate (petroleum)	107-21-1	40.00%	2070	0.009673%
			Poly(oxy-1,2-ethanediyl), alpha-, tridecyl-omega-, hydroxy-, branched	64742-47-8	45.00%	12312	0.057525%
CEMVERT+ DS25	DIVERTER PLUS	DIVERTING AGENT	Polyacide Resin	59011-36-5	5.00%	1368	0.006392%
				9051-89-2	100.00%	6000	0.028034%

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