

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:
Albin Farms

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

Well Number:
31X-31

Location of well (1/4-1/4 section and footage measurements):
NWNE 500FNL and 2140FEL

Unit Agreement Name:

Field Name or Wildcat:
Elm Coulee

Township, Range, and Section:
24N-57E-31

API Number:
25 | 083 | 21937
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 & a 4-1/2" liner was run inside two existing laterals. Please see attached report.

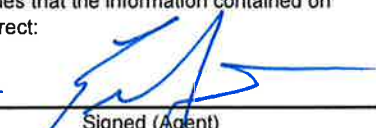
Also attached is the frac disclosure for frac approval prior to the stimulation.

BOARD USE ONLY

Approved AUG 01 2022
Date

 Name
Petrokem Engineer Title

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

7/25/2022 Date
 Signed (Agent)

Eric Linthicum, Regulatory Manager

Print Name and Title

Telephone: 214-666-4826

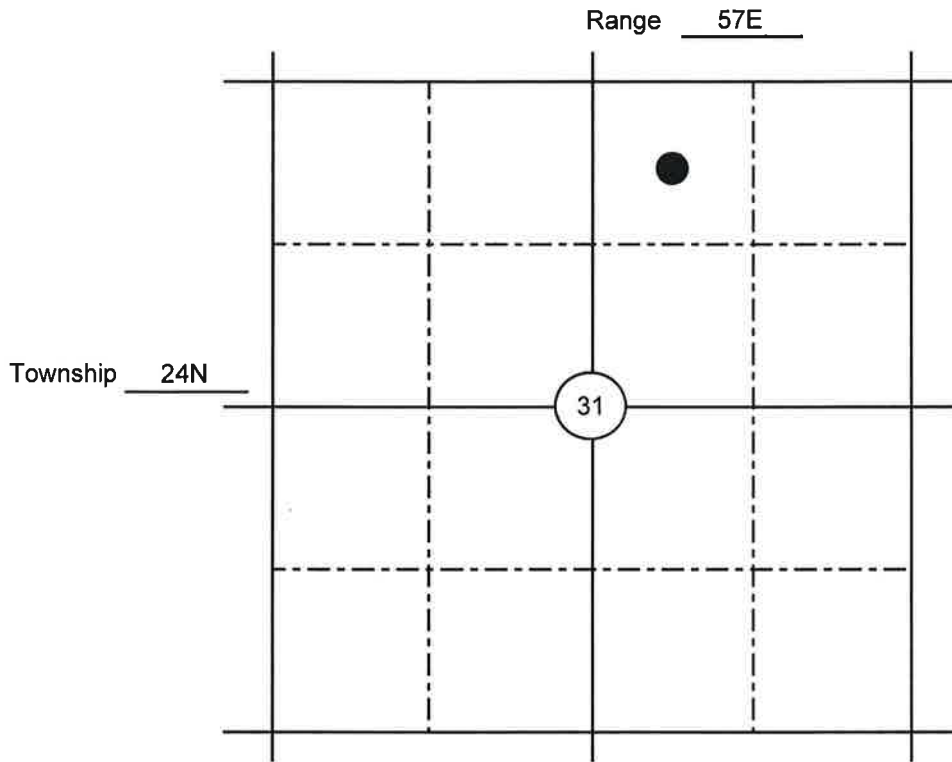
SUPPLEMENTAL INFORMATION

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.

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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.

08321937

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-Q300	ECONOMY POLYMERS	ACID CORROSION INHIBITOR	WATER	7732-18-5	90.00%	27563	0.128779%
EP-H51	ECONOMY POLYMERS	IRON SEQUESTERING AGENT	Methanol Propargyl alcohol Nitrolic acid, Triiodium salt	67-56-1 107-19-7 5054-31-3	60.00%	9	0.000239%
DMU-150	IRON HORSE CHEMICALS	DEMULSIFIER	Sodium Hydroxide Water Isopropyl alcohol Alcohol ethoxide	1310-73-2 67-63-0 68439-46-3	42.00% 2.00% 70.00%	81 4 11315	0.000380% 0.000018% 0.000542% 0.052864%
			2-Propanoic acid, polymer with 4-(1,1-dimethylethyl)phenol, formaldehyde, 2,5-tetrandione, methylloxirane, 4-nonylphenol and odra	129828-31-5	20.00%	3233	0.015104%
			Solvent naphtha (petroleum), Heavy arom. Naphthalene	64742-94-5 91-20-3	10.00%	1616	0.007552%
LIQUID BIOCID	VARIOUS SUPPLIERS	BIOCID	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	7173-51-5	1.00%	162	0.000755%
TSI-500	ECONOMY POLYMERS	SCALE INHIBITOR	Ethyl alcohol	64-17-5	3.00%	88	0.000412%
VLO-F	IRON HORSE CHEMICALS	FRESH WATER HYR	Hydro-treated light distillate (petroleum)	64742-47-8	40.00%	2070	0.009673%
CEMVERT+ D525	DVERTER PLUS	DVERTING AGENT	Poly(ox-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy, branched Pohraetide Resin	59011-36-5 9051-89-2	5.00% 100.00%	1368 6000	0.057525% 0.006592% 0.028034%

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