

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:
BR 41-33H

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

Well Number:
52

Location of well (1/4-1/4 section and footage measurements):
NENE 165FNL and 500FEL

Unit Agreement Name:

Field Name or Wildcat:
Elm Coulee

Township, Range, and Section:
25N-52E-33

API Number:
25 | 083 | 22382
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) Chemical disclosure

- 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.

Please see the attached 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

SUPPLEMENTAL INFORMATION

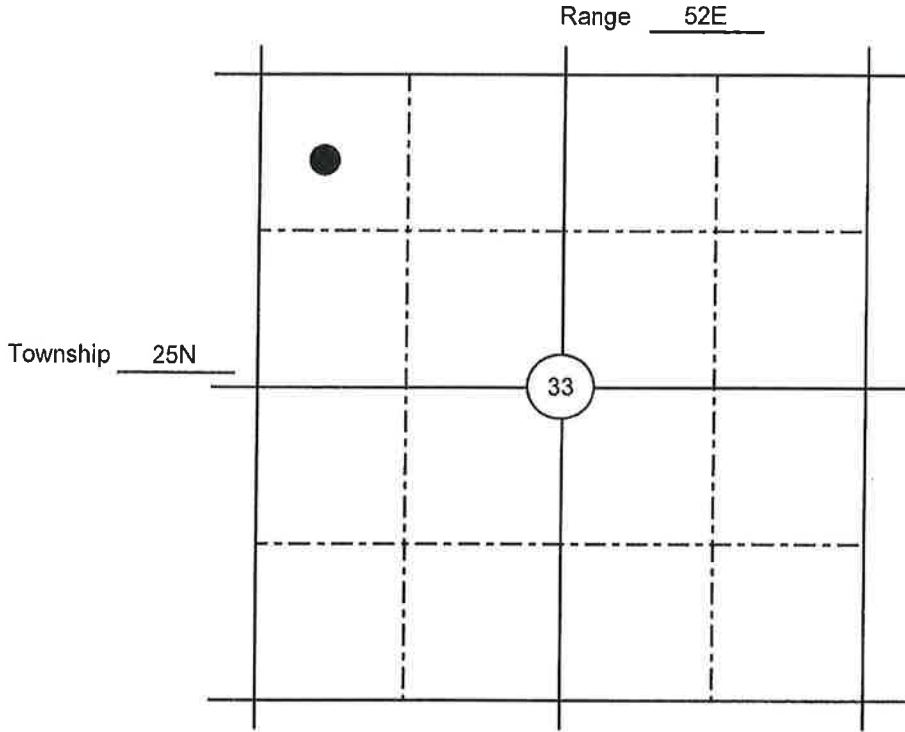
RECEIVED

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

JUL 27 2022

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

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



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.

08322382

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	88.72794%
FRAC SAND (ALL MESH)	PROPPANT SPECIALTIES	PROPPANT	CRYSTALLINE SILICA	14808-60-7	100.00%	2324000	10.85832%
HCL 7.5%-15%	INDUSTRIAL CHEMICAL	HYDROCHLORIC ACID	HYDROCHLORIC ACID	7647-01-0	10.00%	3063	0.014309%
ECONOMY-Q300	ECONOMY POLYMERS	ACID CORROSION INHIBITOR	WATER	7732-18-5	90.00%	27563	0.128779%
			Methanol	67-56-1	60.00%	51	0.000239%
EP-HS1	ECONOMY POLYMERS	IRON SEQUESTERING AGENT	Propargyl alcohol	107-19-7	10.00%	9	0.000040%
			Nitriacetic Acid, Trisodium Salt	5064-31-3	42.00%	81	0.000380%
			Sodium Hydroxide	1310-73-2	2.00%	4	0.000542%
			Water	7732-18-5	60.00%	116	0.000018%
DMULLSO	IRON HORSE CHEMICALS	DEMULSIFIER	Isopropyl alcohol	67-63-0	70.00%	1315	0.052864%
			Alcohol ethoxyethane	68439-46-3	20.00%	3233	0.015104%
			2-Propanoic acid, polymer with 4-(1,1-dimethylethyl)phenol, formaldehyde, 2,5-furandione, methylotetraene, 4-nonylphenol and octa				
			Solvent naphtha (petroleum), Heavy arom.	129828-31-5	20.00%	3233	0.015104%
			Naphthalene	64742-94-5	10.00%	1616	0.00752%
LIQUID BIOCID	VARIOUS SUPPLIERS	BIOCID	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	91-20-3	1.00%	162	0.000755%
			Ethyl alcohol	7173-51-5	12.00%	353	0.001547%
TSI-500	ECONOMY POLYMERS	SCALE INHIBITOR	Ethylene glycol	64-17-5	3.00%	88	0.000412%
VFLO-F	IRON HORSE CHEMICALS	FRESH WATER HVFR	Hydrotreated light distillate (petroleum)	107-21-1	40.00%	2070	0.009673%
			Poly(oxo-1,2-ethanediy), alpha, -tridecyl-, omega-2-, hydroxy-, branched	64742-47-8	45.00%	12312	0.057525%
			Polyacrylate resin	90511-36-5	5.00%	1368	0.006392%
CEMVERT+ DS25	DIVERTER PLUS	DIVERTING AGENT		90511-89-2	100.00%	6000	0.028034%

RECEIVED
JUL 27 2022
 MONTANA BOARD OF OIL &
 GAS CONSERVATION • BILLINGS

08322382