

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		Lease Name: Albin
Address 5810 Tennyson Parkway		Type (Private/State/Federal/Tribal/Allotted): Private
City Plano	State TX	Zip Code 75024
Telephone 214-981-1400	Fax 214-981-1401	
Location of well (1/4-1/4 section and footage measurements): NWSW 2040FSL and 350FWL		Well Number: 13X-33
		Unit Agreement Name:
		Field Name or Wildcat: Elm Coulee
		Township, Range, and Section: 24N-57E-33
API Number: 25 083 22191 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 checked="" 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) _____	<input 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.

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
	<u>Petroleum Engineer</u> Title

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

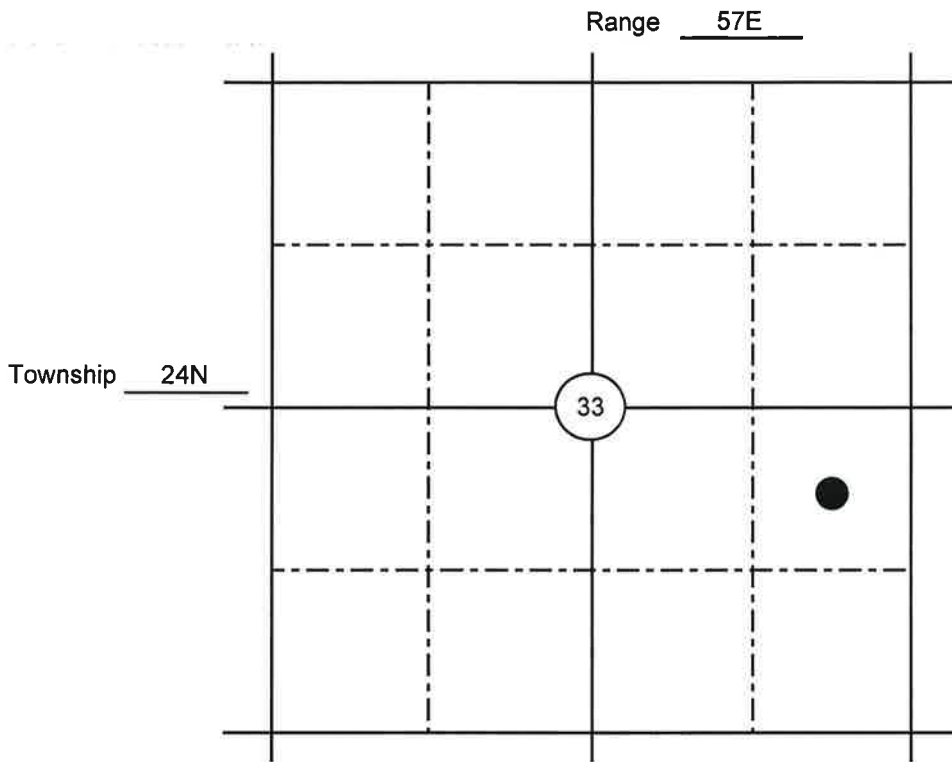
SUPPLEMENTAL INFORMATION

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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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.

08322191

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%	18999401	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%	27363	0.128779%
EP-HS1	ECONOMY POLYMERS	IRON SEQUESTERING AGENT	Methanol Propargyl alcohol Nitroacetic Acid, Trisodium Salt	67-56-1 107-19-7 5064-31-3	60.00%	9	0.000239%
DMULT150	IRON HORSE CHEMICALS	DEMULSIFIER	Sodium Hydroxide Water	1310-73-2 7732-18-5	42.00%	81	0.000380%
			Isopropyl alcohol	67-63-0	2.00%	4	0.000542%
			Alcohol ethoxylate	68439-46-3	70.00%	11315	0.052864%
			2-Propanoic acid, polymer with 4-(1,1-dimethylphenyl)phenol, formaldehyde, 2,5-furandione, methyloxirane, 4-nonylphenol and octa		20.00%	3233	0.015104%
			Solvent naphtha (petroleum), Heavy arom.	129828-31-5	20.00%	3233	0.015104%
			Naphthalene	64762-94-5	10.00%	1616	0.007552%
LIQUID BIOCID	VARIOUS SUPPLIERS	BIOCID	1-Decanaminium, N-Decyl-N,N-dimethyl-, chloride	91-20-3	1.00%	162	0.000755%
TSI-500	ECONOMY POLYMERS	SCALE INHIBITOR	Ethyl alcohol	7179-51-5	12.00%	353	0.001647%
VFLO-F	IRON HORSE CHEMICALS	FRESH WATER HVFR	Ethylene glycol Hydroreated light distillate (petroleum) poly[oxo-1,2-ethanediy], alpha, zeta-dicyclohexyl-, hydroxy-, branched	64-17-5 107-21-1 64762-47-8	3.00%	88	0.000412%
			Polyacetic Resin	59011-36-5	40.00%	2070	0.009673%
CEMVERT-DS25	DIVERTER PLUS	DIVERTING AGENT		9051-89-2	5.00%	12312	0.057525%
					100.00%	1368	0.006593%
						6000	0.028034%

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