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Submit In Quadruplicate To:

**MONTANA BOARD OF OIL AND GAS CONSERVATION**  
2535 ST. JOHNS AVENUE  
BILLINGS, MONTANA 59102

**JUL 27 2022**

**SUNDRY NOTICES AND REPORT OF WELLS**

MONTANA BOARD OF OIL &  
GAS CONSERVATION • BILLINGS

Operator White Rock Oil & Gas, LLC		Lease Name: Putnam	
Address 5810 Tennyson Parkway		Type (Private/State/Federal/Tribal/Allotted): Private	
City Plano	State TX	Zip Code 75024	Well Number: 33X-30
Telephone 214-981-1400	Fax 214-981-1401		Unit Agreement Name:
Location of well (1/4-1/4 section and footage measurements): NWSE 1980FNL and 1940FEL		Field Name or Wildcat: Elm Coulee	
API Number: <b>25</b>   <b>083</b>   <b>22256</b> State County Well		Township, Range, and Section: 23N-57E-20	
Well Type (oil, gas, injection, other): Oil		County: Richland	

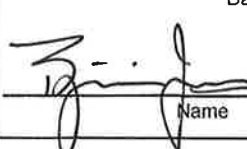
Indicate below with an X the nature of this notice, report, or other data:

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 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) <u>Chemical disclosure</u>	<input checked="" 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.

Please see the attached frac disclosure for frac approval prior to the stimulation.

BOARD USE ONLY	
Approved	<b>AUG 01 2022</b> Date
 Name	<u>Petroleum Engineer</u> Title

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

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

**SUPPLEMENTAL INFORMATION**

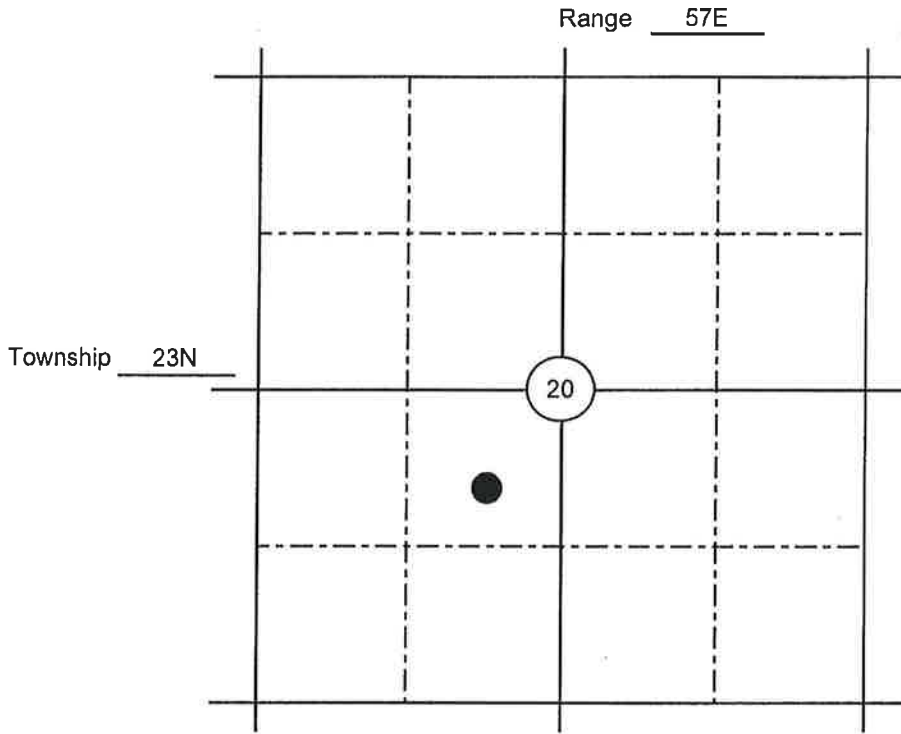
NOTE: Additional information or attachments may be required by Rule or by special request.

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

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**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.

**08322255**

Write Back 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	Ingredient	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%		
FRAC SAND (ALL MESH)	PROPPANT SPECIITIES	PROPPANT	CRYSTALLINE SILICA	14808-60-7	100.00%	18990401	88.72794%
HCL 7.5%-15%	INDUSTRIAL CHEMICAL	HYDROCHLORIC ACID	HYDROCHLORIC ACID	7647-01-0	10.00%	2324000	10.858321%
ECONO-Q300	ECONOMY POLYMERS	ACID CORROSION INHIBITOR	WATER	7732-18-5	90.00%	3063	0.014309%
			Methanol	67-56-1	60.00%	51	0.138779%
EP-HS1	ECONOMY POLYMERS	IRON SEQUESTERING AGENT	Propargyl alcohol	107-19-7	10.00%	9	0.000040%
			Nitrolic acid, Trisodium Salt	5064-31-3	42.00%	81	0.000380%
			Sodium Hydroxide	1310-73-2	2.00%	4	0.000018%
DMUL150	IRON HORSE CHEMICALS	DEMULSIFIER	Water	7732-18-5	60.00%	116	0.000542%
			Isopropyl alcohol	67-63-0	70.00%	1335	0.052864%
			Alcohol ethoxylate	68439-46-3	20.00%	323	0.015104%
			2-Propenoic acid, polymer with 4-(1,1-dimethylethyl)phenol, formaldehyde, 2,5-furandione, methylxirane, 4-onylphenol and octa	129828-31-5	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%	353	0.001547%
TSI-500	ECONOMY POLYMERS	SCALE INHIBITOR	Ethyl alcohol	64-17-5	3.00%	88	0.000412%
VFLO-F	IRON HORSE CHEMICALS	FRESH WATER HVFR	Hydroxylated light disilole (petroleum)	107-21-1	40.00%	2070	0.009673%
			Polyoxy-1,2-ethanediyl, alpha-tridecyl-omega-hydroxy-, branched	64742-47-8	45.00%	12312	0.057525%
CEMVERT+ D525	DIVERTER PLUS	DIVERTING AGENT	Polystyrene Resin	9011-89-2	100.00%	1368	0.006332%
						6000	0.028094%

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