

Submit In Quadruplicate To:
MONTANA BOARD OF OIL AND GAS CONSERVATION
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102

SUNDRY NOTICES AND REPORT OF WELLS

Operator **EMEP Operating, LLC**
Address **1200 Smith Street, Ste 680**
City **Houston** State **TX** Zip Code **77002**
Telephone **346-261-1474** Fax

Lease Name:
Stockade-Gunderson
Type (Private/State/Federal/Tribal/Allotted):
Private

Well Number:
2-7H

Location of well (1/4-1/4 section and footage measurements):
SW SE 250' FSL, 2075' FEL (Section 2 -T24N-R54E)

Unit Agreement Name:

Field Name or Wildcat:
Elm Coulee

Township, Range, and Section:
T24N, R54E, SEC 2

API Number:
25 | **083** | **220400000**
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) Refrac

- 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:

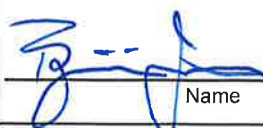
Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.

EMEP Operating, LLC ("EMEP") respectfully submits this Notice of Intent to perform a refrac.

Please find attached (1) EMEP's Recompletion Procedure for the Stockade-Gunderson 2-7H, and (2) the Fracturing Fluid Disclosure.

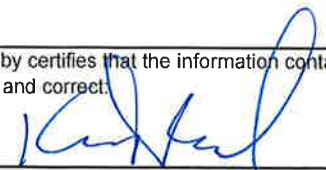
BOARD USE ONLY

Approved FEB 24 2023
Date

 Name
Admin/Refrac Engineer Title

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

2/16/2023
Date

 Signed (Agent)

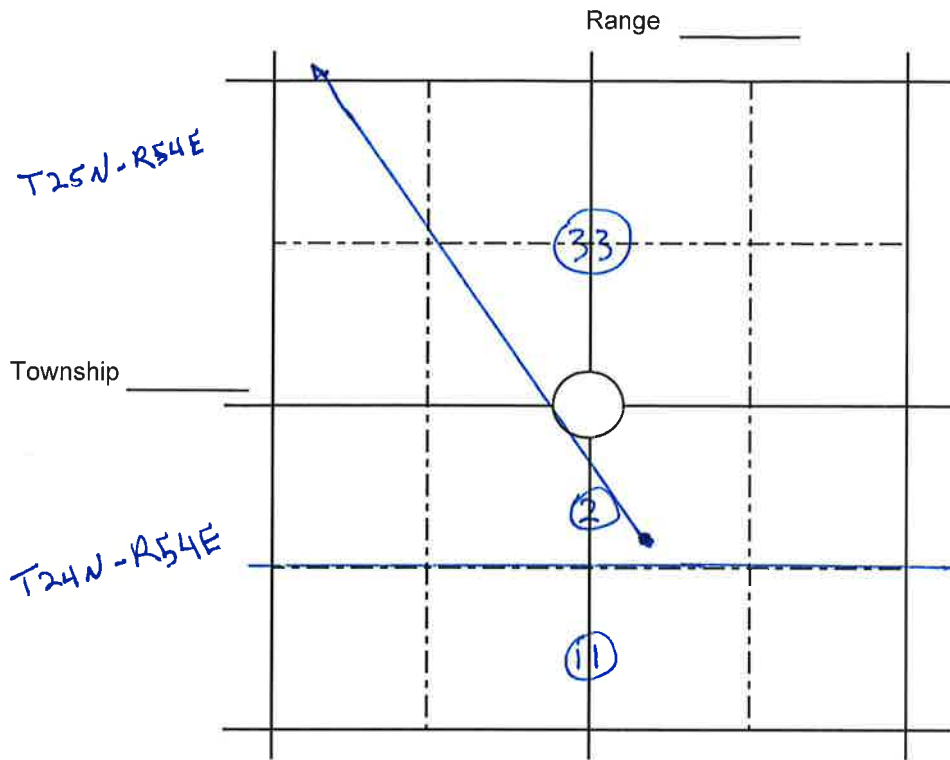
Kyle D. Dubiel - Vice President BD, Land and Legal
Print Name and Title

Telephone: (346) 261-1474

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.



BOARD USE ONLY

CONDITIONS OF APPROVAL

The operator must comply with the following condition(s) of approval:

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Failure to comply with the conditions of approval may void this permit.

08322040

Client: Eagle Mountain Energy Partners
 Disclosure Type: Pre-Job
 Well: Stockade Gunderson 2-7H
 Basin/Field: Williston Basin
 State: Montana
 County: Richland
 Date Prepared: 2/15/2023



Fluid Name	Volume (gal)	Additive	Additive Description	Concentration	Volume
Slickwater	3,540,000	100 Mesh	Proppant	Varied Concentrations	300000 lb
		40/70 White	Proppant	Varied Concentrations	2000000 lb
		20/40 White	Proppant	Varied Concentrations	800000 lb
		20/40 Super LC	Proppant	Varied Concentrations	400000 lb
		ELEHV-6	Friction Reducer	1.41 gal / 1000 gal	5002 gal
		BioSuite GQ123x	Bactericide/Biocide	0.25 gal / 1000 gal	885 gal
		ELENE-4	Non-Emulsifier	0.50 gal / 1000 gal	1780 gal
		ELEScale-2	Scale Inhibitor	0.25 gal / 1000 gal	885 gal
		ELEBR-6	Breaker	0.66 gal / 1000 gal	2320 gal
		ELECCL-10	Clay Control	1.00 gal / 1000 gal	3540 gal
		BioSuite GQ123xWM	Bactericide/Biocide	0.01 gal / 1000 gal	20 gal
		BioSuite GQ510x	Bactericide/Biocide	0.01 gal / 1000 gal	20 gal
		ELESurf-5	Surfactant	0.01 gal / 1000 gal	20 gal
		HCI-15	Solvent	0.28 gal / 1000 gal	1000 gal
		ACI-102HT	Corrosion inhibitor	0.00 gal / 1000 gal	10 gal
		IC-50S	Iron Control	0.00 gal / 1000 gal	10 gal

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Client: Eagle Mountain Energy Partners
 Disclosure Type: Pre-Job
 Well: Stockade Gunderson 2-7H
 Basin/Field: Williston Basin
 State: Montana
 County: Richland
 Date Prepared: 2/15/2023



CAS Number	Chemical Name	Trade Name	Mass Fraction
7732-18-5	Water		89.02838%
14808-60-7	Crystalline Silica (Quartz)		6.03100%
14808-60-7	Crystalline Silica (Quartz)		2.41240%
14808-60-7	Crystalline Silica (Quartz)		1.19414%
14808-60-7	Crystalline Silica (Quartz)		0.90465%
7732-18-5	Water		0.07187%
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic		0.06916%
9003-35-4	Phenolic Resin		0.06031%
7732-18-5	Water		0.05533%
25987-30-8	2-propenoic acid, polymer with 2-propenamides, sodium salt		0.04288%
64742-47-8	Distillates (petroleum), hydrotreated light		0.04149%
7786-30-3	Magnesium chloride		0.02604%
9004-54-0	Dextran		0.02604%
7447-40-7	Potassium Chloride		0.02083%
7732-18-5	Water		0.02014%
67-56-1	Methanol		0.02014%
67-56-1	Methanol		0.00646%
75-91-2	Tert-Butyl hydroperoxide		0.00613%
69011-36-5	Poly(oxy-1,2-ethanediy),a-tridecyl-w-hydroxy-,branched		0.00415%
57-13-6	Urea		0.00415%
7647-01-0	Hydrochloric Acid		0.00405%
111-30-8	Glutaraldehyde		0.00341%
1338-43-8	Sorbitan, monooleate		0.00277%
79-06-1	Acrylamide (as residual)		0.00138%
7173-51-5	Didecyl dimethyl ammonium chloride		0.00114%
68424-85-1	Alkyl dimethyl benzyl ammonium chloride (C12-16)		0.00114%
9041-33-2	Polyalkylene Oxide		0.00081%
4719-04-4	Preservative		0.00052%
7732-18-5	Water		0.00045%
15827-60-8	Organophosphonate		0.00032%
67-56-1	Methanol		0.00031%
107-21-1	Ethylene Glycol		0.00022%
77-92-9	2-hydroxypropane-1,2,3-tricarboxylic acid		0.00020%
107-21-1	Ethylene glycol		0.00011%
7647-01-0	Hydrochloric Acid		0.00010%
111-30-8	Glutaraldehyde		0.00008%
68424-85-1	Alkyl dimethyl benzyl ammonium chloride (C12-16)		0.00005%
68-12-2	N,N-Dimethylformamide		0.00004%
9003-11-6	Polyethylene/propylene block polymer		0.00004%
78355-51-8	Linear alkyl sulfate		0.00004%
15619-48-4	1-(Benzyl)quinolinium chloride		0.00003%
111-30-8	Glutaraldehyde		0.00003%
68424-85-1	Alkyl dimethyl benzyl ammonium chloride (C12-16)		0.00003%
127087-87-0	Nonylphenol ethoxylated		0.00001%
104-55-2	Cinnamaldehyde		0.00001%
68603-15-6	Alcohols, C6-12		0.00001%
111-76-2	Ethanol, 2-Butoxy-		0.00001%
78-40-0	Triethyl phosphate		0.00001%
67-56-1	Methanol		0.00001%
Total			100%

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Fracture Start Date/Time	
Fracture End Date/Time	
State	Montana
County	Richland
API Number	25-80J 210-10-0990
Operator Name	
Well Name	Blackhawk Guadrum 1.7H
Federal Well No	
Indian Well No	
Latitude	46.761400
Longitude	-104.761100
Long/Lat Projection	NAD83
True Vertical Depth (TVD)	9700
Total Clean Field Volume (gals)	2,542,000



Additive	Specific Gravity	Additive Quantity	Mass (lbs)
Water	8.34	2,542,000	21,221,600
100 Mesh	(already reported in lbs)	205,000	205,000
40-70 White	(already reported in lbs)	2,000,000	2,000,000
20-40 White	(already reported in lbs)	800,000	800,000
20-40 Super LC	(already reported in lbs)	400,000	400,000
ELIIV-6	9.17	8,992	83,668
BioSolve GQ123s	8.51	885	7,520
ELFEN-6	7.51	2,788	23,268
ELFScale-2	8.06	800	7,127
ELFER-6	8.76	2,220	20,276
ELFCL-10	9.70	2,448	24,343
BioSolve GQ123AWM	8.43	30	258
BioSolve GQ150s	8.54	20	173
ELFSurf-5	8.34	20	167
HC117	8.93	2,000	17,800
ACL1021H	9.08	10	92
RC-50S	10.82	10	100
Total Slurry Mass (lbs)			21,161,011

Ingredients Section:

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)**	Comments
Water	Operator	Carrier	Carrier	7732-18-7	100.00%	21,221,600	88.02618%	
100 Mesh	Element	Proppant	MSDS and Non-MSDS Ingredients Listed Below					
40-70 White	Element	Proppant	MSDS and Non-MSDS Ingredients Listed Below					
20-40 White	Element	Proppant	MSDS and Non-MSDS Ingredients Listed Below					
20-40 Super LC	Covia	Proppant	MSDS and Non-MSDS Ingredients Listed Below					
ELIIV-6	Element	Friction Reducer	MSDS and Non-MSDS Ingredients Listed Below					
BioSolve GQ123s	BioSolve	Bactericide/Bioicide	MSDS and Non-MSDS Ingredients Listed Below					
ELFEN-6	Element	Non-Emulsifier	MSDS and Non-MSDS Ingredients Listed Below					
ELFScale-2	Element	Scale Inhibitor	MSDS and Non-MSDS Ingredients Listed Below					
ELFER-6	Element	Breaker	MSDS and Non-MSDS Ingredients Listed Below					
ELFCL-10	Element	Clay Control	MSDS and Non-MSDS Ingredients Listed Below					
BioSolve GQ123AWM	BioSolve	Bactericide/Bioicide	MSDS and Non-MSDS Ingredients Listed Below					
BioSolve GQ150s	BioSolve	Bactericide/Bioicide	MSDS and Non-MSDS Ingredients Listed Below					
ELFSurf-5	Element	Surfactant	MSDS and Non-MSDS Ingredients Listed Below					
HC117	Element	Solvent	MSDS and Non-MSDS Ingredients Listed Below					
WST	WST	Corrosion Inhibitor	MSDS and Non-MSDS Ingredients Listed Below					
RC-50S	WST	Iron Control	MSDS and Non-MSDS Ingredients Listed Below					
The trade name(s) of the additive(s) used, supplier(s), and the purpose(s) of the additive(s) are listed above. The ingredient(s) for the above additive(s) are listed below.								
Element	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	2,100,000	6.01100%		
Element	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	200,000	2.12240%		
Covia	Proppant	Crystalline Silica (Quartz)	14808-60-7	99.00%	396,000	1.79447%		
Element	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	100,000	0.90652%		
Element	Clay Control	Water	7732-18-7	69.00%	23,834	0.17177%		
Element	Friction Reducer	Diatomites (petroleum), hydrogenated light naphthene	64742-55-6	50.00%	22,824	0.60916%		
Covia	Proppant	Phenolic Resin	9003-33-4	3.00%	26,000	0.60811%		
Element	Friction Reducer	Water	7732-18-7	40.00%	12,219	0.12587%		
Element	Friction Reducer	2-propanoic acid, polymer with 2-propanoic acid, sodium	25987-30-4	11.00%	18,277	0.85513%		
Element	Friction Reducer	Diatomites (petroleum), hydrogenated light	64742-47-8	30.10%	12,761	0.51197%		
Element	Clay Control	Magnesium chloride	7786-30-3	25.00%	8,626	0.62684%		
Element	Clay Control	Devtran	9004-54-0	25.00%	8,626	0.62684%		
Element	Clay Control	Potassium Chloride	7447-40-7	20.00%	6,989	0.62083%		
Element	Non-Emulsifier	Water	7732-18-7	50.00%	6,680	0.62014%		
Element	Non-Emulsifier	Methanol	67-56-1	50.00%	6,680	0.62014%		
Element	Scale Inhibitor	Methanol	67-56-1	30.00%	2,121	0.60848%		
Element	Breaker	Ten-Batch hydrogenoxide	75-91-2	10.00%	2,022	0.60623%		
Element	Friction Reducer	Poly(oxy-1,2-ethanedioyl)-4-trifluoromethyl-hydroxy-branch	69011-36-3	3.00%	1,376	0.60115%		
Element	Friction Reducer	Urea	57-13-6	3.00%	1,376	0.60115%		
Element	Solvent	Hydrochloric Acid	7647-01-6	15.00%	1,313	0.60083%		
BioSolve	Bactericide/Bioicide	Gluaraldehyde	111-30-8	15.00%	1,129	0.60141%		
Element	Friction Reducer	Sorbitan, monooleate	1338-43-8	2.00%	917	0.60277%		
Element	Friction Reducer	Arylamide (ac resinol)	79-06-1	1.00%	459	0.60188%		
BioSolve	Bactericide/Bioicide	Diethyl dimethyl ammonium chloride	9173-51-5	5.00%	376	0.60114%		
BioSolve	Bactericide/Bioicide	Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	5.00%	376	0.60114%		
Element	Non-Emulsifier	Polyalkylene Oxide	9011-33-2	3.00%	267	0.60084%		
Element	Clay Control	Preservative	1719-04-1	0.50%	173	0.60051%		
Element	Surfactant	Water	7732-18-7	98.00%	150	0.60043%		
Element	Scale Inhibitor	Organophosphate	13827-60-8	1.50%	107	0.60032%		
BioSolve	Bactericide/Bioicide	Methanol	67-56-1	60.00%	101	0.60011%		
Element	Scale Inhibitor	Ethylene Glycol	107-21-1	1.00%	71	0.60022%		
WST	Iron Control	2-hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	60.00%	85	0.60020%		
WST	Corrosion Inhibitor	Ethylene glycol	107-21-1	40.00%	56	0.60011%		
Element	Clay Control	Hydrochloric Acid	7647-01-6	0.10%	35	0.60010%		
BioSolve	Bactericide/Bioicide	Gluaraldehyde	111-30-8	14.99%	25	0.60008%		
BioSolve	Bactericide/Bioicide	Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	10.00%	27	0.60003%		
WST	Corrosion Inhibitor	N,N-Dimethylformamide	68-12-2	15.00%	14	0.60000%		
Element	Surfactant	Polyethylene polypropylene block polymer	9003-11-6	7.00%	12	0.60000%		
Element	Surfactant	Linear alkyl sulfate	38355-31-8	7.00%	12	0.60000%		
WST	Corrosion Inhibitor	1-(Benzyl)pyrrolidinium chloride	15619-48-4	10.00%	8	0.60000%		
BioSolve	Bactericide/Bioicide	Gluaraldehyde	111-30-8	5.00%	8	0.60000%		
BioSolve	Bactericide/Bioicide	Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	1.99%	7	0.60000%		
WST	Corrosion Inhibitor	Nonylphenoxy ethoxylated	127087-87-0	5.00%	5	0.60000%		
WST	Corrosion Inhibitor	Citronaldehyde	104-55-2	5.00%	5	0.60000%		
WST	Corrosion Inhibitor	Alcohols, C6-12	68003-15-6	5.00%	5	0.60000%		
WST	Corrosion Inhibitor	Ethanol, 2-Butoxy	111-70-2	3.00%	3	0.60000%		
WST	Corrosion Inhibitor	Triethyl phosphate	78-40-8	5.00%	3	0.60000%		
Element	Surfactant	Methanol	67-56-1	2.00%	3	0.60000%		

*Total Water Volume sources may include fresh water, produced water, and/or recycled water
 ** Information is based on the maximum potential for concentration and thus the total may be over 100%
 All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulation govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported on an MSDS is subject to 29 CFR 1910.1206(d) and Appendix D.

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