

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:
Gabe
Type (Private/State/Federal/Tribal/Allotted):
Private
Well Number:
1-18H

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Location of well (1/4-1/4 section and footage measurements):
NW NW 200' FNL, 460' FWL (Section 18 -T23N-R58E)

Unit Agreement Name:
Field Name or Wildcat:
Elm Coulee
Township, Range, and Section:
T23N, R58E, SEC 18

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API Number:
25 | 083 | 223510000-
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

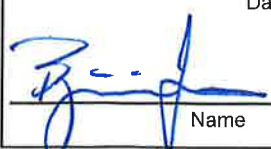
- Subsequent Report of Mechanical Integrity Test
- Subsequent Report of Stimulation or Treatment
- Subsequent Report of Perforation or Cementing
- Subsequent Report of Well Abandonment
- Subsequent Report of Pulled or Altered Casing
- Subsequent Report of Drilling Waste Disposal
- Subsequent Report of Production Waste Disposal
- Subsequent Report of Change in Well Status
- Subsequent Report of Gas Analysis (ARM 36.22.1222)

Describe Proposed or Completed Operations:

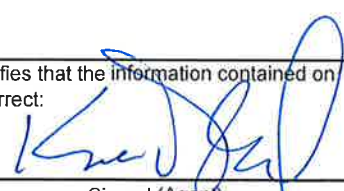
Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.

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

Please find attached (1) EMEP's Recompletion Procedure for the Gabe 1-18H, and (2) the Fracturing Fluid Disclosure.

BOARD USE ONLY	
Approved FEB 24 2023	Date
	Name
Admin/Production Engineer	Title

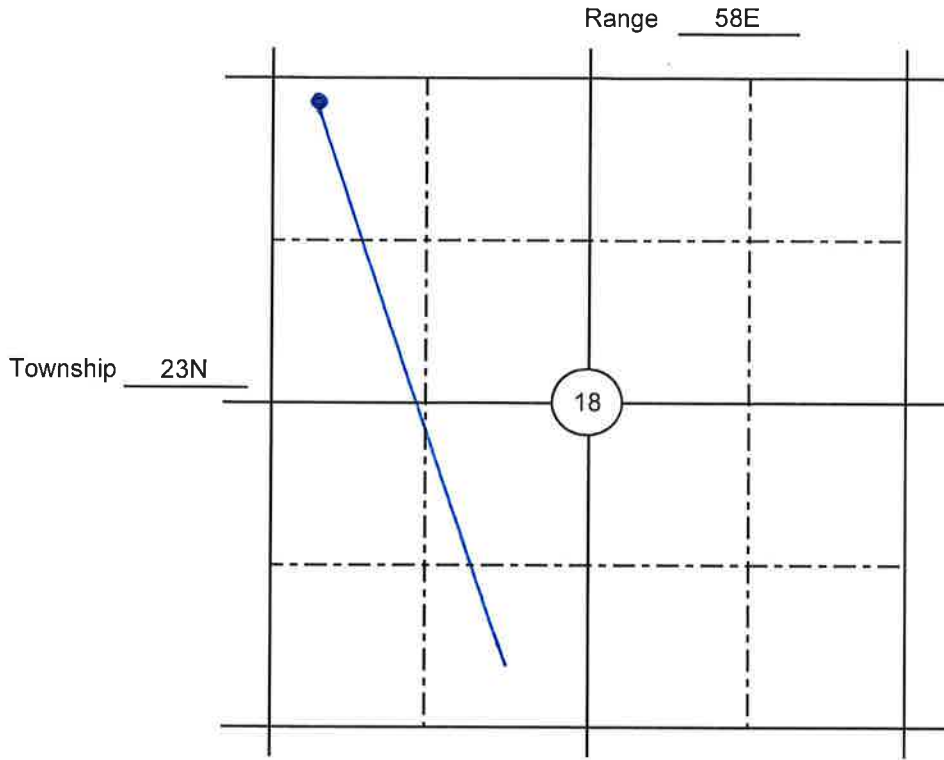
The undersigned hereby certifies that the information contained on this application is true and correct:

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:

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

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**MONTANA BOARD OF OIL &
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08322351

Client: Eagle Mountain Energy Partners
 Disclosure Type: Pre-Job
 Well: Gabe 1-18H
 Basin/Field: Williston Basin
 State: Montana
 County: Richland
 Date Prepared: 2/15/2023



Fluid Name	Volume (gal)	Additive	Additive Description	Concentration	Volume
Slickwater	2,482,060	100 Mesh	Proppant	Varied Concentrations	210000 lb
		40/70 White	Proppant	Varied Concentrations	1400000 lb
		20/40 White	Proppant	Varied Concentrations	560000 lb
		20/40 Super LC	Proppant	Varied Concentrations	280000 lb
		ELEHV-6	Friction Reducer	1.41 gal / 1000 gal	3508 gal
		BioSuite GQ123x	Bactericide/Biocide	0.25 gal / 1000 gal	621 gal
		ELENE-4	Non-Emulsifier	0.50 gal / 1000 gal	1251 gal
		ELESale-2	Scale Inhibitor	0.25 gal / 1000 gal	621 gal
		ELEBR-6	Breaker	0.66 gal / 1000 gal	1626 gal
		ELECCL-10	Clay Control	1.00 gal / 1000 gal	2482 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
		HCl-15	Solvent	0.40 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: Gabe 1-18H
 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		89.03257%
14808-60-7	Crystalline Silica (Quartz)		6.02142%
14808-60-7	Crystalline Silica (Quartz)		2.40857%
14808-60-7	Crystalline Silica (Quartz)		1.19224%
14808-60-7	Crystalline Silica (Quartz)		0.90321%
7732-18-5	Water		0.07187%
64742-53-6	Distillates (petroleum), hydrotreated light naphthenic		0.06918%
9003-35-4	Phenolic Resin		0.06021%
7732-18-5	Water		0.05534%
25987-30-8	2-propenoic acid, polymer with 2-propenamide, sodium salt		0.04289%
64742-47-8	Distillates (petroleum), hydrotreated light		0.04151%
7786-30-3	Magnesium chloride		0.02604%
9004-54-0	Dextran		0.02604%
7447-40-7	Potassium Chloride		0.02083%
7732-18-5	Water		0.02019%
67-56-1	Methanol		0.02019%
67-56-1	Methanol		0.00646%
75-91-2	Tert-Butyl hydroperoxide		0.00612%
7647-01-0	Hydrochloric Acid		0.00578%
69011-36-5	Poly(oxy-1,2-ethanediyl),a-tridecyl-w-hydroxy-,branched		0.00415%
57-13-6	Urea		0.00415%
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%
7732-18-5	Water		0.00065%
4719-04-4	Preservative		0.00052%
67-56-1	Methanol		0.00044%
15827-60-8	Organophosphonate		0.00032%
77-92-9	2-hydroxypropane-1,2,3-tricarboxylic acid		0.00028%
107-21-1	Ethylene Glycol		0.00022%
107-21-1	Ethylene glycol		0.00016%
111-30-8	Glutaraldehyde		0.00011%
7647-01-0	Hydrochloric Acid		0.00010%
68424-85-1	Alkyl dimethyl benzyl ammonium chloride (C12-16)		0.00007%
68-12-2	N,N-Dimethylformamide		0.00006%
9003-11-6	Polyethylene/propylene block polymer		0.00005%
78355-51-8	Linear alkyl sulfate		0.00005%
15619-48-4	1-(Benzyl)quinolinium chloride		0.00004%
111-30-8	Glutaraldehyde		0.00004%
68424-85-1	Alkyl dimethyl benzyl ammonium chloride (C12-16)		0.00004%
127087-87-0	Nonylphenol ethoxylated		0.00002%
104-55-2	Cinnamaldehyde		0.00002%
68603-15-6	Alcohols, C6-12		0.00002%
111-76-2	Ethanol, 2-Butoxy-		0.00002%
78-40-0	Triethyl phosphate		0.00002%
67-56-1	Methanol		0.00001%
Total			100%

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Fracture Start Date/Time	
Fracture End Date/Time	
State	Montana
County	Richmond
API Number	15-083-21231-0000
Operator Number	
Well Name	Coke 1-1811
Federal Well No	No
Indian Well No	No
Longitude	104.341187
Latitude	45.741115
Long/Lat Projection	NAD83
True Vertical Depth (TVD)	14100
Total Clean Fluid Volume (gals)	2,121,000



Additive	Specific Gravity	Additive Quantity	Mass (lbs)
Water	8.34	2,492,660	20,700,180
100 Mesh	(already reported in list)	210,000	210,000
40-70 White	(already reported in list)	1,100,000	1,100,000
20-40 White	(already reported in list)	560,000	560,000
20-40 Super LC	(already reported in list)	280,000	280,000
TEHV-2	8.17	2,500	21,160
BioSolve GQ123x	8.51	911	7,743
ELENE-4	7.51	1,210	9,190
ELEScale-2	8.00	821	6,568
ELEBR-6	8.70	8,820	72,210
ELECC1-10	9.70	2,492	20,219
BioSolve GQ123xWM	8.41	20	169
BioSolve GQ210x	8.54	20	167
ELESurf-5	8.34	20	167
ICI-13	8.33	1,000	8,330
ACT-102HT	9.00	10	81
IC-505	10.82	10	108
Total Sherry Mass (lbs)			21,210,181

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%	20,700,180	89.02137%	
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	Corvia	Proppant	MSDS and Non-MSDS Ingredients Listed Below					
ELEHV-2	Element	Friction Reducer	MSDS and Non-MSDS Ingredients Listed Below					
BioSolve GQ123x	BioSolve	Bactericide/Bioicide	MSDS and Non-MSDS Ingredients Listed Below					
ELENE-4	Element	Scale Inhibitor	MSDS and Non-MSDS Ingredients Listed Below					
ELEScale-2	Element	Scale Inhibitor	MSDS and Non-MSDS Ingredients Listed Below					
ELEBR-6	Element	Breaker	MSDS and Non-MSDS Ingredients Listed Below					
ELECC1-10	Element	Clay Control	MSDS and Non-MSDS Ingredients Listed Below					
BioSolve GQ123xWM	BioSolve	Bactericide/Bioicide	MSDS and Non-MSDS Ingredients Listed Below					
BioSolve GQ210x	BioSolve	Bactericide/Bioicide	MSDS and Non-MSDS Ingredients Listed Below					
ELESurf-5	Element	Surfactant	MSDS and Non-MSDS Ingredients Listed Below					
ICI-13	Element	Solvent	MSDS and Non-MSDS Ingredients Listed Below					
ACT-102HT	WST	Corrosion Inhibitor	MSDS and Non-MSDS Ingredients Listed Below					
IC-505	WST	Iron Control	MSDS and Non-MSDS Ingredients Listed Below					
The trade name(s) of the additve(s) used, supplier(s), and the purpose(s) of the additve(s) are listed above. The ingredient(s) for the above additve(s) are listed below:								
Element	Proppant	Crystalline Silica (Quartz)	14808-60-7	100.00%	1,400,000	6.62142%		
Element	Proppant	Crystalline Silica (Quartz)	14809-60-7	100.00%	560,000	2.60817%		
Element	Proppant	Crystalline Silica (Quartz)	14808-60-7	99.00%	277,200	1.29246%		
Element	Proppant	Crystalline Silica (Quartz)	14809-60-7	100.00%	210,000	0.99221%		
Element	Clay Control	Water	7732-18-2	69.00%	16,711	0.07718%		
Element	Friction Reducer	Benzilates (petroleum), hydro-treated light naphtha-	64742-33-6	50.00%	16,484	0.06918%		
Element	Proppant	Phenolic Resin	9003-33-4	2.00%	12,247	0.05512%		
Element	Friction Reducer	Water	7732-18-2	40.00%	12,200	0.05621%		
Element	Friction Reducer	2-propenoic acid, polymer with 2-propenoic acid, sodium	25987-30-8	11.00%	9,972	0.04599%		
Element	Friction Reducer	Dianilins (petroleum), hydro-treated light	64742-37-8	30.00%	9,657	0.04513%		
Element	Clay Control	Magnesium chloride	7786-30-3	25.00%	6,055	0.02804%		
Element	Clay Control	Dextran	9004-34-0	25.00%	6,055	0.02804%		
Element	Clay Control	Potassium Chloride	7447-40-7	30.00%	4,844	0.02283%		
Element	Non-Foaming	Water	7732-18-2	50.00%	4,893	0.02299%		
Element	Non-Foaming	Methanol	67-56-1	30.00%	4,695	0.02199%		
Element	Scale Inhibitor	Methanol	67-56-1	30.00%	4,695	0.02199%		
Element	Breaker	Tert-Butyl hydroperoxide	75-91-2	10.00%	1,424	0.00672%		
Element	Solvent	Hydrochloric Acid	7647-01-0	15.00%	1,343	0.00625%		
Element	Friction Reducer	Poly(oxy-1,2-ethanediyl)-a-tridecyl-ω-hydroxy-branched	69011-36-3	3.00%	965	0.00453%		
Element	Friction Reducer	Urea	57-13-6	3.00%	965	0.00453%		
Element	Bactericide/Bioicide	Glutaraldehyde	111-30-8	15.00%	792	0.00371%		
Element	Friction Reducer	Glycolin, amine-free	1338-43-5	2.00%	603	0.00277%		
Element	Friction Reducer	Acrylamide (in residual)	79-06-1	1.00%	324	0.00151%		
Element	Bactericide/Bioicide	Diethyl dimethyl ammonium chloride	7175-51-5	1.00%	322	0.00150%		
Element	Bactericide/Bioicide	Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-83-1	1.00%	264	0.00124%		
Element	Non-Foaming	Polyalkylene Oxide	9041-33-2	2.00%	188	0.00087%		
Element	Surfactant	Water	7732-18-2	30.00%	150	0.00069%		
Element	Clay Control	Preservative	4719-04-4	0.50%	121	0.00057%		
Element	Bactericide/Bioicide	Methanol	67-56-1	60.00%	101	0.00047%		
Element	Scale Inhibitor	Organophosphorus	13827-66-8	1.50%	75	0.00035%		
Element	Scale Inhibitor	2-hydroxypropene-1,2,3-tricarboxylic acid	75-92-9	60.00%	65	0.00030%		
Element	Scale Inhibitor	Dihydra Glycol	107-21-7	1.00%	56	0.00025%		
Element	Corrosion Inhibitor	Ethylene glycol	107-21-7	40.00%	56	0.00025%		
Element	Bactericide/Bioicide	Glutaraldehyde	111-30-8	14.99%	25	0.00011%		
Element	Clay Control	Hydrochloric Acid	7647-01-0	0.10%	24	0.00010%		
Element	Bactericide/Bioicide	Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-83-1	10.00%	17	0.00007%		
Element	Corrosion Inhibitor	N,N-Dimethylformamide	68-12-2	15.00%	14	0.00006%		
Element	Surfactant	Polyethylene glycol block polyure	9003-11-6	7.00%	12	0.00005%		
Element	Surfactant	Linear alkyl sulfate	7835-31-8	7.00%	12	0.00005%		
Element	Corrosion Inhibitor	1-(Benzyl)dimethylammonium chloride	15619-48-4	10.00%	8	0.00003%		
Element	Bactericide/Bioicide	Glutaraldehyde	111-30-8	3.00%	8	0.00003%		
Element	Bactericide/Bioicide	Alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-83-1	4.99%	8	0.00003%		
Element	Corrosion Inhibitor	Nonylphenol ethoxylated	127083-87-0	3.00%	8	0.00003%		
Element	Corrosion Inhibitor	Circumaldehyde	104-33-2	5.00%	8	0.00003%		
Element	Corrosion Inhibitor	Alcolac, CG-17	63003-13-4	5.00%	8	0.00003%		
Element	Corrosion Inhibitor	Ethanol, 2-hydroxy-	114-76-2	5.00%	8	0.00003%		
Element	Corrosion Inhibitor	Tricetyl phosphate	78-40-0	3.00%	8	0.00003%		
Element	Surfactant	Methanol	67-56-1	2.00%	8	0.00003%		

* Total Water Volume source 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) regulations 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 1910.1200(c) and Appendix D.

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