FORM NO. 2 R 10/09

ARM 36.22.307, 601, 605, 1003, 1004, 1011, 1013, 1103, 1222, 1240, 1301, 1306, 1309, and 1417

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 MorningStar Operating LLC

Address 400 W. 7th Street

City Fort Worth State TX Zip Code 76102

Telephone 817-334-8096 Fax

Lease Name: Halvorsen State

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

Well Number: 21X-36

RECEIVED

SEP 11 2025

MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

Location of well (1/4-1/4 section and footage measurements):

~~SW SE 300' FSL & 2310' FEL (Sec. 12-T23N-R57E)~~

681 FNL 1817 FWL NENW 23N-57E-36

Unit Agreement Name:

Field Name or Wildcat: Elm Coulee

Township, Range, and Section: Section 36: T23N-R57E

API Number: 25 | 083 | 22363
State County Well

Well Type (oil, gas, injection, other): Oil

County: Richland County

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

Notice of Intention to Change Plans	☐	Subsequent Report of Mechanical Integrity Test	☐
Notice of Intention to Run Mechanical Integrity Test	☐	Subsequent Report of Stimulation or Treatment	☐
Notice of Intention to Stimulate or to Chemically Treat	☑	Subsequent Report of Perforation or Cementing	☐
Notice of Intention to Perforate or to Cement	☑	Subsequent Report of Well Abandonment	☐
Notice of Intention to Abandon Well	☐	Subsequent Report of Pulled or Altered Casing	☐
Notice of Intention to Pull or Alter Casing	☐	Subsequent Report of Drilling Waste Disposal	☐
Notice of Intention to Change Well Status	☐	Subsequent Report of Production Waste Disposal	☐
Supplemental Well History	☐	Subsequent Report of Change in Well Status	☐
Other (specify) _____	☐	Subsequent Report of Gas Analysis (ARM 36.22.1222)	☐
_____	☐	Subsequent Report of Refrac Operations	☐

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.

Amending/replacing original NOI submitted by previous operator:
Halvorsen State 21X-36 Lateral Cleanout/Liner Installation Refrac Procedure. Objective - isolate and frac single lateral. Procedure, schematics and chemical disclosure attached. Intended rig work starting date is 8/15/2025

SEE ATTACHED
CONDITIONS OF APPROVAL

BOARD USE ONLY

Approved SEP 12 2025
Date

Name Admin/Pet. Engineer
Title

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

9/10/2025 Holly Wood
Date Signed (Agent)

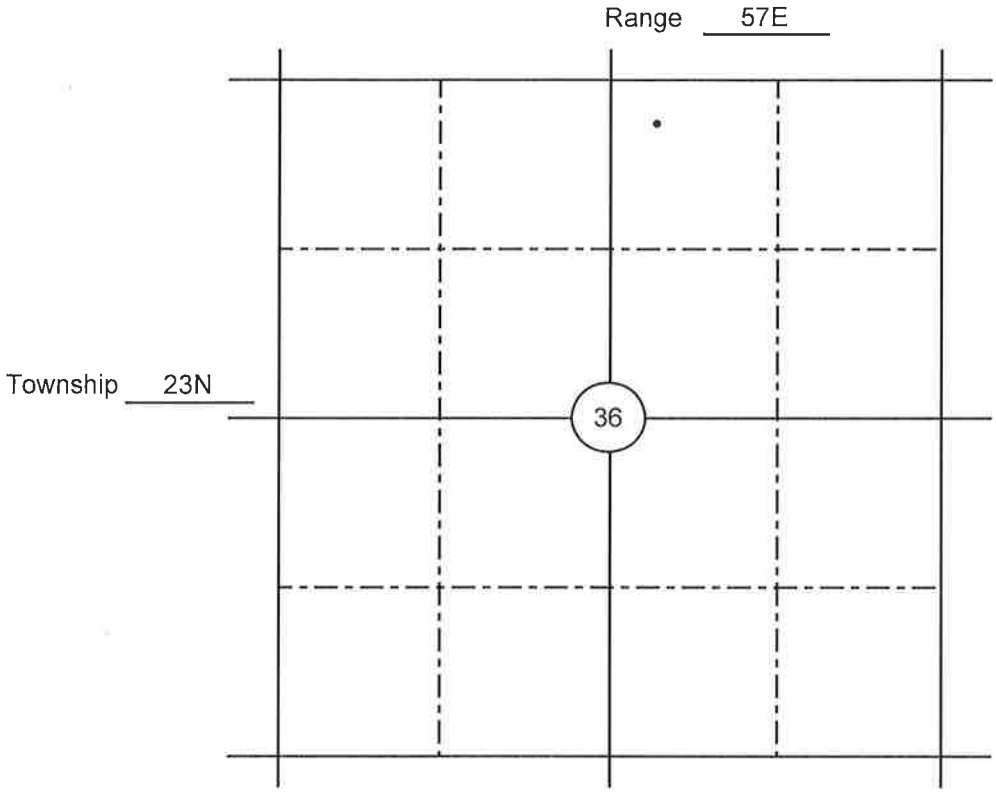
Holly Wood, Regulatory Analyst
Print Name and Title

Telephone: 817-334-8088

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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date	2025-07-15
State:	Montana
County:	RICHLAND
API Number:	25-083-22363-00-00
Operator Name:	Energy Partners LP
Well Name and Number:	lvorsen State 21X-36
Longitude:	-104.34988300
Latitude:	47.71568800
Long/Lat Projection:	WGS84
Indian/Federal:	none
Production Type:	Oil
True Vertical Depth (TVD):	10503
Total Water Volume (gal)*:	11577056

Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Ingredient Mass lbs	Comments	Company	First Name	Last Name	Email	Phone
Fresh Water	Operator	Base Fluid						Density = 8.34					
BE-7	Halliburton	Biocide											
DCA-17008	Halliburton	Acid Corrosion Inhibitor											
DCA-23010	Halliburton	Friction Reducer											
DCA-26001	Halliburton	Iron Reducing Agent											
DCA-30008	Halliburton	Scale Inhibitor											
DCA-32003	Halliburton	Surfactant											
HYDROCHLORIC ACID, 28%	Halliburton	Solvent											
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant											
Sand-CRC-40/70	Halliburton	Proppant											
Sand-Premium White-40/70	Halliburton	Proppant											
MSDS and Non-MSDS Ingredients are listed below the green line													
Ingredients			Water	7732-18-5	100.00%	91.44304%	96552648						
			Crystalline silica, quartz	14808-60-7	100.00%	8.34614%	8812500						
			Water	7732-18-5	100.00%	0.15665%	165404						
			Phenol / formaldehyde resin	9003-35-4	5.00%	0.07991%	84375						
			Ammonium acrylate-acrylamide polymer	26100-47-0	60.00%	0.05906%	62356						
			Hexamethylenetetramine	100-97-0	2.00%	0.03196%	33750						
			Hydrotreated light petroleum distillate	64742-47-8	30.00%	0.02953%	31178						
			Methanol	67-56-1	100.00%	0.02566%	27089						
			Sodium hypochlorite	7681-52-9	30.00%	0.00996%	10513						
			Hydrochloric acid	7647-01-0	30.00%	0.00577%	6096						
			Sobitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00%	0.00492%	5197						
			Oleic aicd, ethoxylated	9004-96-0	5.00%	0.00492%	5197						
			Sodium chloride	7647-14-5	5.00%	0.00234%	2470						
			Amines, polyethylenepoly-, ethoxylated, phosphonomethylated, sodium salts	70900-16-2	5.00%	0.00234%	2470						
			Benzenesulfonic acid, C10-16-alkyl derivs., compds. with 2-propanamine	68584-24-7	10.00%	0.00206%	2180						
			Benzenesulfonic acid, C10-16-alkyl derivs., compds. with triethanolamine	68584-25-8	10.00%	0.00206%	2180						
			Sodium hydroxide	1310-73-2	5.00%	0.00166%	1753						
			Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-, ether with D-glucitol, tetra-(9Z)-9-octadecenoate	61723-83-9	1.00%	0.00098%	1040						
			Amines, tallow alkyl, ethoxylated	61791-26-2	1.00%	0.00098%	1040						
			Alcohols, C12-14-secondary, ethoxylated	84133-50-6	1.00%	0.00098%	1040						
			Alcohols, C12-16, ethoxylated	68551-12-2	1.00%	0.00098%	1040						
			Benzene, C10-16 alkyl derivatives	68648-87-3	1.00%	0.00021%	218						
			Bis(tris(hydroxyethyl)ammonium) sulphate	7376-31-0	1.00%	0.00021%	218						
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00%	0.00010%	108						
			Thiourea, polymer with formaldehyde and 1-phenylethanone	68527-49-1	30.00%	0.00010%	108						
			Glycine, n,n-{{bis(2-bis(carboxymethyl)amino}ethyl)-, pentasodium salt	140-01-2	0.10%	0.00010%	104						
			Sodium bisulfite	7631-90-5	0.10%	0.00010%	104						
			Formaldehyde	50-00-0	0.10%	0.00005%	50						
			Alcohols, C14-C15, ethoxylated	68951-67-7	5.00%	0.00002%	18						
			Propargyl alcohol	107-19-7	5.00%	0.00002%	18						
			Hexadecene	629-73-2	5.00%	0.00002%	18						
			Acrylamide	79-06-1	0.01%	0.00001%	11						
			Ethylene oxide	75-21-8	0.01%	0.00001%	11						
			2-Propenoic acid, ammonium salt (1:1)	10604-69-0	0.01%	0.00001%	11						
			Citric acid	77-92-9	60.00%	0.00001%	6						
			Hydroxylamine hydrochloride	5470-11-1	60.00%	0.00001%	6						
			Silica, amorphous - fumed	7631-86-9	5.00%	0.00000%	1						
			Copper dichloride	7447-39-4	1.00%	0.00000%	1						

* 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%
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

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(i) and Appendix D.

Fracture Date	2025-07-15
State:	Montana
County:	RICHLAND
API Number:	25-083-22363-00-00
Operator Name:	TXO Energy Partners LP
Well Name and Number:	Halvorsen State 21X-36
Longitude:	-104.34988300
Latitude:	47.71568800
Long/Lat Projection:	WGS84
Indian/Federal:	none
Production Type:	Oil
True Vertical Depth (TVD):	10503
Total Water Volume (gal)*:	11577056
otal Hydraulic Fluid Mass (lb):	105,587,744

MONTANA BOARD OF OIL AND GAS ATTACHMENT TO FORM 2 "CONDITIONS OF APPROVAL"

A. Field Inspector must be notified at least **24 hours** in advance of the start of fracture stimulation operation.

B. 36.22.1106 SAFETY AND WELL CONTROL REQUIREMENTS – HYDRAULIC FRACTURING

(1) New and existing wells which will be stimulated by hydraulic fracturing must demonstrate suitable and safe mechanical configuration for the stimulation treatment proposed.

(2) Prior to initiation of fracture stimulation, the operator must evaluate the well. If the operator proposes hydraulic fracturing through production casing or through intermediate casing, **the casing must be tested to the maximum anticipated treating pressure**. If the casing fails the pressure test it must be repaired or the operator must use a temporary casing string (fracturing string).

> (a) **If the operator proposes hydraulic fracturing though a fracturing string, it must be stung into a liner or run on a packer set not less than 100 feet below the cement top of the production or intermediate casing and must be tested to not less than maximum anticipated treating pressure minus the annulus pressure applied between the fracturing string and the production or immediate casing.**

(3) A casing pressure test will be considered successful if the pressure applied has been held for 30 minutes with no more than ten percent pressure loss.

(4) A **pressure relief valve(s)** must be installed on the treating lines between pumps and wellhead to limit the line pressure to the test pressure determined above; the well **must be equipped with a remotely controlled shut-in device** unless waived by the board administrator should the factual situation warrant.

(5) **The surface casing valve must remain open** while hydraulic fracturing operations are in progress; the annular space between the fracturing string and the intermediate or production casing must be monitored and may be pressurized to a pressure not to exceed the pressure rating of the lowest rated component that would be exposed to pressure should the fracturing string fail.

History: 82-11-111, MCA; IMP, 82-11-111, MCA; NEW, 2011 MAR p. 1686, Eff. 8/26/11.

C. 36.22.1010 WORK-OVER, RECOMPLETION, WELL STIMULATION – NOTICE AND APPROVAL

(1) Within 30 days following completion of the well work, a subsequent report of the actual work performed must be submitted on From No. 2.