

RECEIVED**JUL 23 2026**

Submit In Quadruplicate To:

**MONTANA BOARD OF OIL AND GAS CONSERVATION
2535 ST. JOHNS AVENUE
BILLINGS, MONTANA 59102****MONTANA BOARD OF OIL &
GAS CONSERVATION • BILLINGS****SUNDRY NOTICES AND REPORT OF WELLS**

Operator MorningStar Operating LLC		Lease Name: Apollo
Address 400 W. 7th Street		Type (Private/State/Federal/Tribal/Allotted): Private
City Fort Worth	State TX	Zip Code 76102
Telephone 817-334-8096	Fax	Well Number: 8-36-1H
Location of well (1/4-1/4 section and footage measurements): SW SE 275' FSL & 2186' FEL (Sec. 8-T24N-R56E)		Unit Agreement Name:
		Field Name or Wildcat: Wildcat Richland
		Township, Range, and Section: Section 8: T24N-R56E
API Number: 25 083 23553 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 Chemical Disclosure	☒

Describe Proposed or Completed Operations:

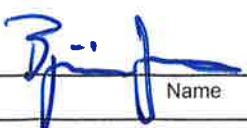
Describe planned or completed work in detail. Attach maps, well-bore configuration diagrams, analyses, or other information as necessary. Indicate the intended starting date for proposed operations or the completion date for completed operations.

Per APD COA requirements, MorningStar Operating LLC respectfully requests approval of the attached pre-job Chemical Disclosure in order to begin frac job.

- Total volume = 17.3 MM gallons

- Maximum anticipated treating pressure is 9,500 psi down 7" 32# P-110 casing (12,460 psi Internal Yield) and 4.5" 13.5# P-110 liner (12,410 psi Int

Attachments: Pre-Job Chemical Disclosure.

BOARD USE ONLY	
Approved JUL 23 2026	Date
	Name
	Title

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

07/22/2026	
Date	Signed (Agent)
Holly Wood, Regulatory Analyst	
Print Name and Title	
Telephone: _____	817-334-8088

SUPPLEMENTAL INFORMATION

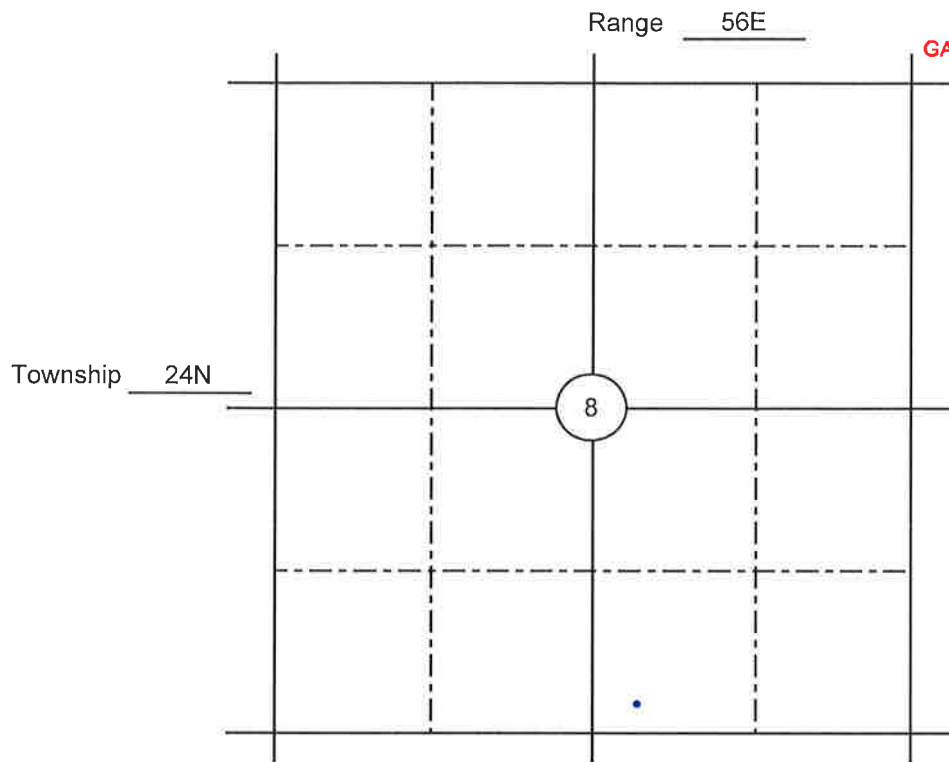
NOTE: Additional information or attachments may be required by Rule or by special request.

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

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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.

08323553

ALI-7	Liberty Energy	Acid Additive Mixture	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.				
			Crystalline Silica (quartz)	14808-60-7	74.6678%		9,271,800	5.90662%
			Water	7732-18-5	21.7407%		2,699,634	1.71981%
			Phenol-Formaldehyde Resin	9003-35-4	1.1568%		143,640	0.09151%
			Hydrochloric Acid	7647-01-0	1.0925%		135,660	0.08642%
			Water	7732-18-5	0.4499%		55,860	0.03559%
			Water	7732-18-5	0.3842%		47,705	0.03039%
			2-Propenoic acid, polymer with 2-propenamide, sodium	25987-30-8	0.3086%		38,315	0.02441%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.2977%		36,971	0.02355%
			Water	7732-18-5	0.2881%		35,779	0.02279%
			Dodecylbenzenesulfonic acid, monoethanolamine salt	26836-07-7	0.2468%		30,643	0.01952%
			Water	7732-18-5	0.0612%		7,596	0.00484%
			Alcohols, C12-16, ethoxylated	68551-12-2	0.0535%		6,647	0.00423%
			Methanol	67-56-1	0.0480%		5,963	0.00380%
			Quaternary ammonium compounds, benzyl-C12-16-alkyl	68424-85-1	0.0459%		5,697	0.00363%
			Phosphonic acid, [(2-(2-hydroxyethyl)(phosphonomethyl)phenyl)phosphonic acid]	129828-36-0	0.0324%		4,022	0.00256%
			Sorbitan monolaurate	1338-43-8	0.0312%		3,870	0.00247%
			Glutaraldehyde	111-30-8	0.0288%		3,578	0.00228%
			Urea	57-13-6	0.0162%		2,011	0.00128%
			Ethyl alcohol	64-17-5	0.0096%		1,193	0.00076%
			Sodium C14-16 olefin sulfonate	68439-57-6	0.0093%		1,149	0.00073%
			Water	7732-18-5	0.0076%		950	0.00060%
			Water	7732-18-5	0.0066%		815	0.00052%
			Water	7732-18-5	0.0062%		770	0.00049%
			polyacrylamide	9003-05-8	0.0055%		688	0.00044%
			Oxygenate and paraffinic stream	876065-86-0	0.0054%		674	0.00043%
			2-hydroxypropane-1,2,3-tricarboxylic acid	77-92-9	0.0052%		650	0.00041%
			Water	7732-18-5	0.0052%		644	0.00041%
			Water	7732-18-5	0.0051%		629	0.00040%
			Water	7732-18-5	0.0046%		566	0.00036%
			Water	7732-18-5	0.0045%		563	0.00036%
			hydrotreated distillate, light	64742-47-8	0.0045%		563	0.00036%
			Water	7732-18-5	0.0043%		535	0.00034%
			Water	7732-18-5	0.0043%		533	0.00034%
			Water	7732-18-5	0.0041%		506	0.00032%
			Ethylene Glycol	107-21-1	0.0038%		469	0.00030%
			Water	7732-18-5	0.0035%		432	0.00028%
			Polyacrylamide	9003-05-8	0.0034%		425	0.00027%
			Hydro-treated distillate, light	64742-47-8	0.0034%		425	0.00027%
			Water	7732-18-5	0.0030%		371	0.00024%
			Ethylene Glycol	107-21-1	0.0030%		368	0.00023%
			Ethoxylated Decyl Alcohol	78330-20-8	0.0029%		357	0.00023%
			Hydrochloric Acid	7647-01-0	0.0029%		354	0.00023%
			2-Propenoic acid, polymer with 2-propenamide, sodium	25987-30-8	0.0024%		298	0.00019%
			Hydrochloric Acid	7647-01-0	0.0022%		276	0.00018%
			Hydrochloric Acid	7647-01-0	0.0022%		272	0.00017%
			Propylene Glycol	57-55-6	0.0022%		268	0.00017%
			Pyridinium, 1-(phenylmethyl)-, ethyl methyl derivs., ch	68909-18-2	0.0021%		266	0.00017%
			Ethylene Glycol	107-21-1	0.0019%		241	0.00015%
			Distillates (petroleum), hydrotreated light	64742-47-8	0.0019%		240	0.00015%
			Reduced ingredients	Proprietary	0.0018%		226	0.00014%
			Propylene glycol	57-55-6	0.0018%		226	0.00014%
			Tall oil fatty acid	61790-12-3	0.0018%		226	0.00014%
			Poly(oxy-1,2-ethanediyl), alpha-hexyl-omega-hydroxy-	31726-34-8	0.0018%		226	0.00014%
			Formic Acid	64-18-6	0.0018%		226	0.00014%
			Sodium chloride	7647-14-5	0.0018%		226	0.00014%
			Sodium benzoate	532-32-1	0.0018%		226	0.00014%
			Water	7732-18-5	0.0018%		223	0.00014%
			Methanol	67-56-1	0.0018%		219	0.00014%
			Formic acid	64-18-6	0.0016%		195	0.00012%
			Cinnamaldehyde	104-55-2	0.0016%		195	0.00012%
			Citric acid	77-92-9	0.0016%		195	0.00012%
			Acetophenone, thiourea, formaldehyde polymer	68527-49-1	0.0016%		195	0.00012%
			Ethylene Glycol	107-21-1	0.0016%		195	0.00012%

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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 through a fracturing string, it must be strung 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 intermediate 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.