

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

Application for Permit To:

Drill ☐Deepen ☐Re-enter ☐Oil ☒Gas ☐Other ☐

Lease Name:

DART

Lease Type (Private/State/Federal):

Private

Well Number:

21-33 1H

Operator: Devon Energy Williston, L.L.C.

Address: 14689 Brigham Drive

City: Williston

State: North Dakota Zip: 58801

Telephone Number:

701-875-3501

Field Name or Wildcat:

Wildcat

Unit Name (if applicable):

N/A

Surface Location of Well (quarter-quarter and footage measurements):

SWSW Section 16, T28N, R59E, 355' FSL & 332' FWL

Objective Formation(s):

Middle Bakken

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Proposed Total Depth and Bottom-hole Location(s) if directional or horizontal well:

26,059' MD, 10,239' TVD

SWSW Section 33, T28N, R59E, 209' FSL & 1260' FWL

Township, Range, and Section:

T28N, R59E, Section 23 16

County:

Roosevelt

Elevation (indicate GL or KB):

2131' GL (Graded)

Size and description of drilling/spacing unit and applicable order, if any:

1920 acres (Sections 21, 28, & 33) T28N, R59E,

Order #35-2024

Formation at total depth:

Middle Bakken

Anticipated Spud Date:

9/1/2025

Hole Size	Casing Size	Weight / Foot	Grade (API)	Depth	Sacks of Cement	Type of Cement
13 1/2"	9 5/8"	40#	J-55	0' - 2000'	823	Type III
8 3/4"	7"	32#	HCP-110	0' - 10620'	689	Class G
6"	4 1/2"	13.5#	P-110ICY	9820' - 26059'	766	Class G

Describe Proposed Operations:

Describe or attach labeled diagram of blowout preventer equipment. Indicate if air drilled or describe mud program.
 See attachments for details.

Devon Energy Williston, L.L.C. requests variance to not run open hole logs on the subject well. Offset logs can be found for the Stateline 11-1314H (API#25085217710000) located SE-SE Sec 33 T28N R59E

BOARD USE ONLY

Approved (date) JUL 23 2025Permit Fee \$15000By Benjamin J DavisCheck Number 3203450Title TechnicalPermit Expires JAN 23 2026Title ProgramPermit Number 33053Title Coordinator

THIS PERMIT IS SUBJECT TO THE
 CONDITIONS OF APPROVAL
 STATED ON THE BACK

API Number: 25 - 085 - 22088

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

Signed (Agent) [Signature]Title Sr. Regulatory Compliance ProfessionalDate 4/1/2025Telephone Number 480-415-3245

Samples Required: NONE X ALL _____ FROM _____ feet to _____ feet

Core chips to address below, full cores to USGS, Core Laboratory, Arvada, CO. Required samples must be washed, dried and delivered prepaid to:

Montana Board of Oil and Gas Conservation
 2535 St. Johns Avenue
 Billings, MT 59102

APR 11 2025

SUPPLEMENTAL INFORMATION

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

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1. Attach a survey plat certified by a registered surveyor. The survey plat must show the location of the well with reference to the nearest lines of an established public survey.
2. Attach an 8 1/2 x 11" photocopy of that portion of a topographic map showing the well location, the access route from county or other established roads, residences, and water wells within a 1/2 mile radius of the well.
3. Attach a sketch of the well site showing the dimensions and orientation of the site, the size and location of pits, topsoil stockpile, and the estimated cut/fill at the corners and centerstake. (Note: the diagram need not be done by an engineer or surveyor). Attach a sketch of a top view and two side views of the reserve pit(s), if utilized. The reserve pit sketch must show the length, width, depth, cut and fill, amount of freeboard, area of topsoil stockpile, and the height and width of berms.
4. Describe the type and amount of material or liner, if any, to be used to seal the reserve pit. If a synthetic liner is used, indicate the liner thickness (mils), bursting strength, tensile strength, tear strength, puncture resistance, hydrostatic resistance, or attach the manufacturer's specifications.
5. Describe the proposed plan for the treatment and/or the disposal of reserve pit fluids and solids after the well is drilled. If the operator intends to dispose of or treat the reserve pit contents off-site, specify the location and the method of waste treatment and disposal. (Note: The operator must comply with all applicable federal, state, county, and local laws and regulations with regard to the handling, transportation, treatment, and disposal of solid wastes.)
6. Does construction of the access road or location, or some other aspect of the drilling operation require additional federal, state, or local permits or authorizations? If yes, indicate the type of permit or authorization required:
 - ☒ No additional permits needed
 - ☐ 310 Permit (apply through county conservation district)
 - ☐ Air quality permit (apply through Montana Department of Environmental Quality)
 - ☐ Water discharge permit (apply through Montana Department of Environmental Quality)
 - ☐ Water use permit (apply through Montana Department of Natural Resources and Conservation)
 - ☐ Solid waste disposal permit (apply through Montana Department of Environmental Quality)
 - ☐ State lands drilling authorization (apply through Montana Department of Natural Resources and Conservation)
 - ☐ Federal drilling permit (specify agency)
 - ☐ Other federal, state, county, or local permit or authorization: (specify type) _____

NOTICES:

1. Date and time of spudding must be reported to the Board verbally or in writing within 72 hours after the commencement of drilling operations.
2. The operator must give notice of drilling operations to the surface owner as required by Section 82-10-503, MCA, before the commencement of any surface activity.

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CONDITIONS OF APPROVAL

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

SEE ATTACHED
CONDITIONS OF APPROVAL

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

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Devon Energy Williston, LLC Proposed Well Stimulation

Total Clean Fluid : 23,100,000 gallons

Max Anticipated Treating Pressure: 9800 psi

Hydraulic Fracturing Fluid Components Information Disclosure:

Trade Name	Supplier	Purpose	Ingredients	Chemical Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Mass per Component (LBS)	Maximum Ingredient Concentration in HF Fluid (% by mass)**
Water	Operator	Carrier	Carrier	7732-18-5	100.0000%	192,654,000	89.11774%
Crystalline Silica Quartz	Liberty Oilfield Services	Sand	MSDS and Non-MSDS Ingredients Listed Below				
SFT-592	Innospec	Flowback Additive	MSDS and Non-MSDS Ingredients Listed Below				
DFR-HV8200	Liberty Oilfield Services	Friction reduction	MSDS and Non-MSDS Ingredients Listed Below				
FRS-HV8200	Liberty Oilfield Services	Friction reduction	MSDS and Non-MSDS Ingredients Listed Below				
K-BAC 50510	Italmatch Chemicals	Biocide	MSDS and Non-MSDS Ingredients Listed Below				
SCI-E60	Liberty Oilfield Services	Scale Inhibitor	MSDS and Non-MSDS Ingredients Listed Below				
Liberty Clean Out Fluid	Liberty Oilfield Services	Cleanup Solution	MSDS and Non-MSDS Ingredients Listed Below				
HCL-15	Liberty Oilfield Services	Solvent	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 below. The ingredient(s) for the above additive(s) are listed below.							
			Crystalline Silica (quartz)	14808-60-7	98.7314%	23,226,750	10.74421%
			Aluminum Oxide	1344-28-1	0.9883%	232,500	0.10755%
			Polyacrylamide	9003-05-8	0.4320%	101,640	0.04702%
			Water	7732-18-5	0.1389%	32,673	0.01511%
			Amino trimethylene phosphonic acid (ATMP)	6419-19-8	0.1290%	30,343	0.01404%
			Diethylenetriamine	111-40-0	0.1290%	30,343	0.01404%
			Iron Oxide	1309-37-1	0.0988%	23,250	0.01075%
			Titanium Oxide	13463-67-7	0.0988%	23,250	0.01075%
			Alkyl Sulfonic Acid Amine Salt	Proprietary	0.0662%	15,577	0.00721%
			Water	7732-18-5	0.0647%	15,218	0.00704%
			Diethylene Triamine Penta (methylene Phosphonic Acid) Sodium Salt	22042-96-2	0.0516%	12,137	0.00561%
			Polyvinylidene chloride (PVDC) resins	25038-72-6	0.0516%	12,137	0.00561%
			Polyvinylidene chloride (PVDC) resins	9011-06-7	0.0516%	12,137	0.00561%
			Water	7732-18-5	0.0497%	11,683	0.00540%
			Methanol	67-56-1	0.0497%	11,683	0.00540%
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	0.0182%	4,288	0.00198%
			Alkyl Sulfonic Acid	Proprietary	0.0149%	3,505	0.00162%
			Hydrochloric Acid	7647-01-0	0.0114%	2,686	0.00124%
			Glutaraldehyde	111-30-8	0.0091%	2,144	0.00099%
			Alcohols, C12-15, ethoxylated	68131-39-5	0.0083%	1,943	0.00090%
			Ethyl alcohol	64-17-5	0.0052%	1,225	0.00057%
			Distillate (petroleum), hydrotreated light	64742-47-8	0.0024%	563	0.00026%
			Triethanolamine	102-71-6	0.0016%	386	0.00018%
			Ethanolamine	141-43-5	0.0016%	386	0.00018%
			Oxygenate and paraffinic stream	876065-86-0	0.0003%	67	0.00003%
			Ethylene Oxide	75-21-8	0.0002%	39	0.00002%
			C.I. Solvent Yellow 33	8003-22-3	0.0000%	1	0.00000%