FORM NO. 22 R 10/	09 SUBMIT	IN QUADRUPLICATE TO:	ARM	36.22.307	Lease Nam	e:	
MONT				36,22,601	1	.	
		OIL AND GAS CO UE, BILLINGS, MO		,		(Private/State/F	ederal):
2000 0			7NTANA 55102			(11141575141677	odorar).
		ation for Permit To:	_			ar:	
Drill X	Deepen	Re-enter					
Oil X	Gas	Other _		_ [_]			
Operator: Bla	ck Dog Operating	g, LLC					RECEIVED
Address: 6110	Clarkson Ln						
City: Houston	S	tate: TX	Zip: 77055		Unit Name ((if applicable):	MAR 2.5 2025
Telephone Nur	mber: 83	32-541-8334			NA		11/111 2 0 2020
Surface Location of W	Vell (quarter-quarter and	footage measurements):			Objective Fo	ormation(s):	MONTANA BOARD OF DIL
SWSE, 340' F					Bakken		GAS CONSERVATION • BILL
	ction 13, T2				Township, F	Range, and Secti	on:
		on(s) if directional or horizo	ontal well:				
10021' TVD; 2							
BHL - 220 FSL	., 1980 FWL, NEN	N, Section 1, T29N, F	R57E		·	l t	
							2).
		0.1 1.00	2600		,),.
Size and descr	intion of drilling/eng	Cree Lou-		-			A .:
				F			
1920	Acres (Sections	1, 12, & 13; T29N, I	K5/E)		Вакк	en	6/1/2025
Hole Size	Casing Size	Weight / Foot	Grade (API)		Depth	Sacks of Ceme	nt Type of Cement
12-1/4"	9-5/8"	36.0 lbs/ft	J-55	1	2000'	549	
8-3/4"	7"	32.0 lbs/ft	P-110	+		664	
6"	4-1/2"	13.5 lbs/ft	P-110		25861'	971	Class G
Drill 12-1/4" sur 10442' with oil l inhibited fresh v casing. Hydrau Clean out latera	pe or attach labeled di rface hole to 2000' based (invert) mud water mud. Run 4-' lically fracture stimi	with fresh water. Run . Run 7" intermediate I/2" liner and cement ulate well with approx II. Install artificial lift, a	9-5/8" surface car casing and cemer to liner top at 9530 imately 21250400	sing and nt to 200 0'. Ceme lbs of s	d cement to s 00' from surfa ent bond log and in 37040	surface. Drill 8-3/ ace. Drill 6" latera and pressure tes 00 bbls at 90 bbls	4" intermediate hole to al to 25881' with st 7" intermediate s/min over 79 intervals.
	BOARD	USE ONLY					
Approved (date)	OCT 3 1 202		\$ 1500				
By Benjamin	1 Muis	Check Numbe	1085	_ Sign	and (Agant)	Dannel	Steem
4.0	hnical	Permit Expires	APR 3 0 202	6 Sigi	ieu (Ağelli)		
Title Pro	gram	Permit Numbe	7.0 0.0	Title	Pe	etroleum Engin	eering Consultant
Coor	dinator			_	Graham Lease Type (Private/State/Federal): Private Well Number: 13-12-1-3H Field Name or Wildcat: Elm Coulee, Northeast Unit Name (if applicable): NA Objective Formation(s): Bakken Township, Range, and Section; T29N, R57E, Section 13 County: Roosevelt Elevation (indicate GL or KB): 2136' GL Formation at total depth: Anticipated Spud Date: Bakken O/1/2025 Depth Sacks of Cement Type of Cement 2000' 549 Class C (Type III) 10442' 664 Class G 25861' 971 Class G air drilled or describe mud program. Ind cement to surface. Drill 8-3/4" intermediate hole to 100' from surface. Drill 8' lateral to 25881' with ment bond log and pressure test 7" intermediate sand in 370400 bbls at 90 bbls/min over 79 intervals. iility. Please refer to the attached supplemental The undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application is true and correct: In the undersigned hereby certifies that the information intained on this application		
THIS PERMIT IS SUB CONDITIONS OF APP	PROVAL AP	1 Number: 25 - 🔾 🥇	- 22099	Dat	e	3/25/2025	_ :
STATED ON THE BAC				Tele	ephone Numbe	er 4	06-855-6208
	3	1					
Samples Required:	NONE	ALL	FROM _				
Core chip	s to address below, full		ratory, Arvada, CO., Re Board of Oil and Gas 2535 St. Johns Ave Billings, MT 5910	s Conser		vashed, dried and d	elivered prepaid to:

SUPPLEMENTAL INFORMATION

MAR 2 5 2025

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

MONTANA BOARD OF OIL & AS CONSERVATION • BILLINGS

- 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:

X	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.
- 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.

BOARD USE ONLY

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.

Hydraulic Fracturing Fluid Product Component Information Disclosure

Total Base Non Water Volume	Total Base Water Volume (gall)	True Verbual Depth (TVD)	Datum	Cathode	Longitude	liew.wall	Explain Mail	Well Nameand Number	Opiniator Mumber	API Number	County	State	Job End Diab	ARC LINES GOT
0	15.556.800	10,021	NAD83	48 259926	-104.247541	No	No Gir	Graham 13-12-1-3H	Black Dog Operating, LLC	25-085-XXXXX-00-00	Roosevelt	Montana	7/20/2025 (proposed)	7/1/2025 (proposed)





THOEIVED

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			The Party of the P	The state of the s												1 - 0	THE CAMPS HE	ChampionX							ChampionA	Charles					THE STREET	H TO SERVE		ChampionA							TOWN THE		ChampionX	Operator		Supplier	
Proppant															Check of National			Friction Reducer			CHANGE OF ALL				Biocide	2								Sunaciant									Scale inhibitor	Carrier		Purgiose	
Crystalline Silica in the form of Owart	WORDS WOOD	Surrung Acid, Copper (2*) Sait (1-1)	O. K. D. O. C.	Acetic Acid Potassium Salt	Tetrasodium EDTA	Acrylamide	Denvs	Sorbitan, Monooleate, Polyoxyethylene	Alcohols, C9-11-Iso- C10-Rich	Sorbitan, (2)-9-Octadecenoate (2:3)	Ethoxylated	Alcondis, C11-14-Iso-, C13-Rich,	Sodium Chloride	Light	Distillates (Petroleum). Hydrotreated	1-Propanesuffonic Acid. 2-Methyl-2-[(1- Oxo-2-Propenyl) Amino]-, Monosodium Salt Polymer with 2-Propensamide		Water	Methanol	Ethanol	Glutaraldehyde	Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	Ethylene Glycol	Water	Isopropanol	Memane, Chloro-	Sodium Chloride	Hydrochionde	Amines, Dicoco Alkymethyl,	Amines, Dicoco Alkymethyl	Isopropanol	Quaternary Ammonium Compounds: Dicoco Alkydimethyl, Chlorides	Isodecyl-Omega-Hydroxy	Water	Potassium Chloride	Sodium Hydroxide	Diethylene Glycol	Calcium Chloride	Sodium Chloride	Phosphinate, Sodium Salt	2-Propenoic Acid, Polymer with Sodium	Ethylene Glycol	Water	Water		Ingredients	では、日本のでは、日本にのでは、日本にのは、日本には、日本にのは、日本にのは、日本にのは、日本にのは、日本にのはのは、日本にのはのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本にのは、日本に
14808 EO 7	64-19-7	7758-98-7	7-00-171	177 08 7	RA DOLA	79-06-1	9005-65-6			8007-43-0	78330-21-9		7647-14-5	64742-47-8	00 000	0.000.000	0-01-2011	7777 10 5	67-56-1	84-17-5		68424-85-1	107-21-1	7732-18-5	67-63-0	74-87-3	7647-14-5	NA		61788-62-3	67-63-0	61789-77-3	61827-42-7	7732-18-5	7447-40-7	1310-73-2	111-46-6	10043-52-4	7647-14-5	129898-01-7	-1	107-21-1	7732-18-5	7722-18-5	Number (CAS#)	Abstract Service	
	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	1 00%	The state of the s	1 00%	5 00%	5.00%		5.00%	20.00%	20.00%		40,00%	0.1026	0.10%	A 50%	4.50%	20,00%	20.00%	20.00%	30.00%	0.10%	0.10%	0.10%		0.10%	1.00%	1 00%	20.00%	70.00%	0.10%	0.50%	0.50%	4 00%	4 00%	15 00%	15.00%	15 00%	80 00%	100 000	(% by mass)**	Maximum Ingradient. Concentration in Additive	
	233	233	233	233	233	2000	2 333		2.333	11,667	11 667		11.667	46 666	46,666		93,332	30	1,030	1 000	1 635	7 285	7 265	7 265	10.897	S	52	52		3	518	516	10 316	36,106	31	155	156	1 244	1 244	4.665	4 565	18 659	129 588 144		(LBS)	Mass per Component	
TEXT AND THE	0.00015%	0.00015%	0.00015%	0.00015%	0.00013%	0.0010400	0 0015492		0.00154%	0.00772%	0 00772%	No. of the last	0 00772%	0 03087%	0.03087%		0.06173%	0.00002%	%BULDO O	0.0010070	0.0000000	0 000,800	0.00480%	0.00480%	0.00721%	0 00003%	0 00003%	0.00003%	0.000000	0.00004	0.000000	0.00034%	0 00682%	0.02388%	0.00002%	0.00010%	0.00010%	0.00082%	0.00082%	0.00309%	0.00309%	0.01234%	85.71162%	(% by mass)**	in HF Fluid	Concentration	Maximum
	10 P. S.		The second second	The second second	N 100 TO					5 m 5 5 5 m 5									The second second																								THE PART SALES			Comments	
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