FORM NO. 22 R 10/	09 SUBMIT II	N QUADRUPLICATE TO:	ARM 3	6.22.307	Lease Nam	e:	
MONT	ANA BOARD OF	OIL AND GAS CO		6,22,601	Graham		
		JE, BILLINGS, MO			Lease Type	(Private/State/Fe	ederal):
		tion for Permit To:			Private		
Drill X	Deepen	Re-enter			Well Number	эг:	
Oil 🗵	Gas	Other			13-12-1-4		
Operator: Bla	ck Dog Operating	, LLC			Field Name		
Address: 6110	Clarkson Ln					ee, Northeast	DECEIVED
City: Houston	St	ate: TX	Zip: 77055		Unit Name ((if applicable):	MEOLIVEL
Telephone Nur	mber: 83	2-541-8334			NA		MAR 2.5 2025
Surface Location of V	Vell (quarter-quarter and	footage measurements):			Objective Fo	ormation(s):	MAIL Z J ZUZJ
SWSE, 340' F					Bakken		MONTANA BOARD OF O
Section	13, T29 N, R	57E			Township, F	Range, and Section	AS GONSERVATION • BILI
		on(s) if directional or horizo	ntal well:		T29N, R5	57E, Section 13	}
10021' TVD; 2		Castina 4 TOOM D	57 5		County:		
BHL - 220 FSL	., 000 FVVL, NVVINVI	/, Section 1, T29N, R	57E		Rooseve	lt	
					Elevation (i	ndicate GL or KB	3):
		Bider 104-	7 1075		2136' GL		
Size and descr	iption of drilling/spa	cing unit and applical		F	ormation at t	otal depth:	Anticipated Spud Date:
1920	Acres (Sections 1	, 12, & 13; T29N, I	R57E)		Bakk	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		2000'	549	Class C (Type III)
8-3/4"	7"	32.0 lbs/ft	P-110		10741'	687	Class G
6"	4-1/2"	13.5 lbs/ft	P-110		26123'	968	Class G
Drill 12-1/4" su 10741' with oil inhibited fresh casing. Hydrau Clean out later	rface hole to 2000' based (invert) mud. water mud. Run 4-1 ilically fracture stimi	Run 7" intermediate 1/2" liner and cement ulate well with approx II. Install artificial lift, a	9-5/8" surface cas casing and cemer to liner top at 9838 imately 21250400	sing and to 2003'. Cem lbs of s	d cement to s 00' from surfa ent bond log sand in 3704	surface. Drill 8-3/- ace. Drill 6" latera and pressure tes 00 bbls at 90 bbls	4" intermediate hole to al to 26143' with st 7" intermediate s/min over 79 intervals.
	BOARD	USE ONLY					
Approved (date)	OCT 3 1 2025	Permit Fee	\$1500			hereby certifies that application is true	
By Benjar	in I Menis	heck Numbe	A DO 0 0 00	Sig	ned (Agent)	Danny	Steen
	echnical rogram	Permit Expires Permit Numbe	2000	Tit	eP	etroleum Engin	eering Consultant
CO	ordinator			- Da	te	3/25/2025	
CONDITIONS OF AP STATED ON THE BA	PROVAL	1 Number: 25 - ○ ↑ ↑ ↑	-20100	- Te	lephone Numb	oer 4	
Samples Required:	NONE	X	FROM			feet to	o feet
		cores to USGS, Core Labo		S Conse			

SUPPLEMENTAL INFORMATION

MAR 2 5 2025

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

MONTANA BOARD OF OIL & GAS CONSERVATION • BILLINGS

- 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:

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.
- 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.

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 Von Water Volume:	Total Base Water Volume (gall)	True Vertical Depth (TVD)	Datum	Labitide	Longitude	Individual Indian	Faderal Woll	Wat Hamsand Number	Operation Number:	API Number	County	Slate	July Eng Date	
0	15,556,800	10,021	NAD83	48.259926	104.247677	No	No	Graham 13-12-1-4H	Black Dog Operating, LLC	25-085-XXXXX-00-00	Roosevelt	Montana	7/20/2025 (proposed)	(broboton)

Total Base Yon Water Volume: I	Total Base Water Volume (gall)	True Vertical Depth (TVD)	Dathm	Labride	ephilipacil	Indian Wall	Federal Well	Wee sameand Number of	Operation Number	API Number	County	Slate	July Eng Date	Long State Date
	15 556 800	10,021	NAD83	48.259926	104 247677	No	S G	Graham 13-12-1-4H	Black Dog Operating, LLC	25-085-XXXXXX-00-00	Roosevelt	Montana	7/20/2025 (proposed)	7/1/2025 (proposed)





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	64-19-7	/-8-90-/	7-00-171	177083	64-00-9	79-06-1	9005-65-6	The second secon	68526-85-2	8007-43-0	78330-21-9		7647-14-5	64742-47-8		38193-60-1			7732-18-5	67-56-1	84-17-5	111-30-8	1		107-21-1	7732-18-5	67-63-0	74-87-3	7647-14-5	NA	01/00/02-3	67-63-O	61789-77-3	The state of the s	61827-42-7	7732-18-5	7447-40-7	1310-73-2	111-66	10043-52-4	7647-14-5	129898-01-7	_	107-21-1	7732.18.5	7732-18-5	(a CWC) Jaconima	Abstract Service	Chemical	The second secon
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