FORM NO. 22 R 10	/09 SUBMIT	IN QUADRUPLICATE TO:	ARM	36.22.307	Lease Nam	e.	
MONT				36.22.601	l	n Farms Inc.	
		OIL AND GAS CO UE, BILLINGS, MO				(Private/State/Fe	oderal).
2333 0			DNIANA 59102		Private	(1 IIVate/Otate/) e	sucraiy.
- T		ation for Permit To:					
Drill X	Deepen [Re-enter			Well Number		
Oil X	Gas _	Other _		_ Ц	2-11-14-3		
Operator: Bla	ck Dog Operating	g, LLC			Field Name	or Wildcat:	
Address: 6110) Clarkson Ln					ee, Northeast	RECEIVED
City: Houston	S	tate: TX	Zip: 77055		Unit Name (if applicable):	
Telephone Nur	mber: 83	32-541-8334			NA		APR 0 3 2025
Surface Location of V	Vell (quarter-quarter and	footage measurements):			Objective Fo	ormation(s):	7 H K 0 0 2023
	NL, 1647' FEL				Bakken		MONTANA BOARD OF OIL
Section	2, T29N, R5	7E				Range, and Section	GAS CONSERVATION . BI
Proposed Total Depth	and Bottom-hole Locat	ion(s) if directional or horizo	ontal well:			7E, Section 1/3	-
10102' TVD; 2					County:	77 E, Geotion yo	
BHL - 220 FSL 	_, 1980 FWL, SESV	V, Section 14, T29N,	R57E		Roosevel	+	
		0 1 101			· ·	ndicate GL or KB):
Size and deep	intion of drilling/one	اکور اکلی۔ کا محافظ الکانی۔ کا محافظ الکانی			2337' GL		
				F	ormation at to		Anticipated Spud Date:
1920	Acres (Sections A	2, 11, & 14; T29N, I	R5/E)		Bakke	en	7/1/2025
Hole Size	Casing Size	Weight / Foot	Grade (API)		Depth	Sacks of Cemer	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	1	10658'	681	Class G
6"	4-1/2"	13.5 lbs/ft	P-110	2	26077'	971	Class G
Drill 12-1/4" sui 10658' with oil inhibited fresh casing. Hydrau Clean out latera	pe or attach labeled di rface hole to 2000' based (invert) mud. water mud. Run 4-1 lically fracture stimi	. Run 7" intermediate I/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 9750 imately 21250400	sing and at to 200 o'. Ceme lbs of sa	l cement to s 0' from surfa ent bond log a and in 37040	urface. Drill 8-3/4 ice. Drill 6" lateral and pressure test 0 bbls at 90 bbls/	" intermediate hole to to 26097' with 7" intermediate
		USE ONLY		The	undersigned	hereby certifies that	the information
Approved (date)	OCT 3 1 202	Permit Fee	\$ 1500	con	tained on this	application is true a	nd correct:
By Benjami	n & Amic	Check Number	1091	Sign	ed (Agent)	Dannes	Jacem
Tec	chnical	Permit Expires	APR 3 0 2020	J	icu (Agent)		
	ogramrdinator	Permit Number	33078	Title	Pe	etroleum Engine	ering Consultant
THIS PERMIT IS SUB CONDITIONS OF APP		I Number: 25 - 0 85	- 22095	Date		4/3/2025	
STATED ON THE BAC	CK		0000	- Tele	phone Numbe	or 40	6-855-6208
amples Required:	NONE	ALL	FROM	Tele	phone (4diffibe	feet to	
Core chips		cores to USGS, Core Labor		Conserv nue		vashed, dried and del	ivered prepaid to:

SUPPLEMENTAL INFORMATION

APR 0 3 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.

08522095

Hydraulic Fracturing Fluid Product Component Information Disclosure

Total Bana Nutr Wilder Volume 0	Total Supp Water Volume (gal) 15,556,800	True Vertical Depth (TVD) 10,104	NAD83	Latinus 48,301536	Longillude -104,266387	Indust Wall No	Father Wall No	Wall flame of fourther Jacobsen Fam	Operator Number Black Dog C	API Number 25-085-XX	County Roosevelt	State Montana	
					17			amts Inc. 2-11-14-3H	Operating, LLC	XXX-00-00			Contract Constitution of





15			
1	21,250,400		Contilling Nines, Quarts, Sand
	23,333	10:00	FFR4100
	3,889	934	ROCITION
	6,222	8.29)	Product 6191
	3,111	10.00	ASPESCENO
122	15,556,800	14.4	Water
Mass (1	Additive Quantity	Specific Gravity	Additive

Triggrediseria		14.05535%	21,250,400	100.00%	14808-60-7	Crystalline Silica in the form of Quartz	Proppart		Quartz Sinca,
Improdustrial Improdustri		0.00015%	233	0.10%	64-19-7				Contains Silva
Improdustrial Improdustria		0.00015%	233	0.10%	7758-98-7	Sulfuric Acid, Copper (2+) Salt (1:1)			
Improdustrial Improdustria		0.00015%	233	0.10%	127-08-2	Acetic Acid, Potassium Sait			
Improdustria Abstract Sarvice Concentration Management Company Co		0.00015%	233	0.10%	64-02-8	I eu asoqium EDIA			
International Internationa		0.00015%	233	0.10%	/9-06-1	Acrylamide			
Page		0.00154%	2,333	1.00%	0-00-00-0	Academido			
Transmission Austract Service Constraints in High Service Constraints					0000	Derive			
Transfer Trace T		0.00154%	2,333	1,00%	7-09-07:00	Sorbitan Monocloste Dollary of the			
Transferring Tran		0.00//2%	11,66/	2.00%	20001-10-0	Alcohols C9-11-Iso- C10-Birth			
Impartiserial Abstract Service Constituting in Adultive Company Co		0.0077270	11,007	7000	8007.43.0	Sorbitan (Z)-9-Octadecennate (2:3)			
Trace Trac		0.0077392	11 687	5.00%	78330-21-9	Ethoxylated			
Comments		0.00112.00	11,001			Alcohols, C11-14-Iso-, C13-Rich,			
Trace Trac		0.00772%	11.667	5.00%	7647-14-5	Sodium Chloride			
Triggredienta Abanteet Savide Constitutation Abaddishe Comments Composition Comments Composition		0.03087%	46.666	20.00%	64742-47-8	Light			
Trace-16-5		100000				Distillates (Petroleum), Hydrotreated			
Triggregation		0.03087%	46.666	20.00%	38193-60-1	1-Propanesufonic Acid, 2-Methyl-2-[(1- Oxo-2-Propenyl) Amino]-, Monosodium Salt, Polymer with 2-Propenamide			
Triggrediants Abstract & Abst		0.06173%	93,332	40.00%	1/32-18-5	yvaler	Lucaut Vacancei	Chambiology	111100
Transfer		0.00002%	36	0.10%	07-00-1	NO.	English Book con	ChampionY	EERA100
T732-18-5 100.00% 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 129.581 12		0.00108%	1,635	4.50%	G4-17-0				
Indicates Company Co		0.001007	1,000	A FOR	6A-17-5	Ethano			
Provided 1732-18-5 100.00% 129.588 144 85.7112% 100.002% 129.588 144 85.7112% 100.002% 129.588 144 85.7112% 100.002% 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144 129.588 144		0.0010892	1 635	4 50%	111-30-8	Glutaraldehyde			
Interest		0.00480%	7 285	20.00%	68424-85-1	Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides			
Impredicts		0.00480%	7,265	20,00%	107-21-1	Ethylene Glycol			
Ingredients		0,00480%	7,285	20.00%	7732-18-5	VValer			
Providents		0,00721%	10,897	30.00%	67-63-0	Isopropanol	Biodide	ChampionX	DIOCHHOUN
Transfer		0.00003%	52	0.10%	74-87-3	Methane, Chloro-			200
Transfer		0.00003%	52	0.10%	7647-14-5	Sodium Chloride			
Trace Trac		0.00003%	52	0.10%	NA	Hydrochloride			
Committee Comm		0.00003%	52	0.10%	01/88-62-3	Amines Disco Alkymetry			
Abstract Savice		0.00034%	516	1.00%	6/-63-0	isopropanol			
Abstract Savice Contention Management Community Management Management Community Management		0.00034%	518	1,00%	61789-77-3	Dicoco Alkyldimethyl, Chlorides			
Trace Trac	GAS CUNSERVATION .	0.00002.70	10,010			Quaternary Ammonium Compounds,			
Companies	MONTANA BOARD O	0 00892%	10 316	20 00%	61827-42-7	Poly (Oxy-1,2-Ethanediyl), Alpha- Isodecyl-Omega-Hydroxy			
Companies		0.02388%	36,106	70.00%	7732-18-5	Water	Surfactant	ChampionX	Product 6191
Abstract Savice Contentitation Additive Component Compon		0.00002%	31	0.10%	7447-40-7	Potassium Chloride			
Content Cont	707 C 0 2 707	0.00010%	55	0.50%	1310-73-2	Sodium Hydroxide			
Abstract Service Contention Main part Ingredient Main part Ingredient Main part Ingredient Main part Ingredient I	יחני ני ח מפא	0.00010%	155	0.50%	111-46-6	Diethylene Glycol			
Authorit Savic Content and Compound		0.00082%	1,244	4.00%	10043-52-4	Calcium Chloride			
Abstract Service Contention Mass per Ingredient Component Componen		0.00082%	1,244	4.00%	7647-14-5	Sodium Chloride			
Abstract Sarvice Concentration Additive Component Comments	スロしたことは	0.00309%	4,665	15.00%	129898-01-7	Phosphinate, Sodium Salt			
Main par Ingredient		0.00309%	4,665	15.00%	107-21-1	Ethylene Glycol			
Ingredients Abstract Service Consultation in Additive Component Concentration Number (CAS #) (% by mass)** (LBS) In HE Faid IN HE Faid Service Consultation (LBS) In HE Faid Service Con		0.01234%	18.659	%00 08	7732-18-5	Water	Scale Inhibitor	ChampionX	ASP ESC200
Concentration in Additive Component Concentration (% by mass)** [N. by mass]** [LES] (% by mass)** [LES]		85.71162%	129,588,144	100,00%	7732-18-5	Water	Carrier	Operator	Water
Maximum ingredient Nasa per ingradient	Section 1	in HE Fluid	(LES)	(nass)	Number (CAS #)				
Manufacture International Property Communication Communica		STREET, STREET	Total seem		Abstract Sarvice	Ingradients	Purposa	Supplier	Trade Name
		mannin		ŧ.	Chambra				