FORM NO. 22 R 10/	09 SUBMIT I	N QUADRUPLICATE TO:	ARM 30	6.22.307	Lease Nam	e:	
MONT			ARM 30	8.22.601		n Farms Inc.	
ı		OIL AND GAS CO JE, BILLINGS, MO				(Private/State/Fe	ederal):
		tion for Permit To:	MIANA 00102	_	Private	•	,-
Drill X	Deepen -	Re-enter			Well Number	er:	
Oil X	Gas	Other		. 🗆	2-11-14-	1H	
Operator: Bla	ck Dog Operating	, LLC			Field Name	or Wildcat:	
Address: 6110					Elm Coul	ee, Northeast	
City: Houston	St	ate: TX	Zip: 77055		Unit Name ((if applicable):	RECEIVE
Telephone Nur	mber: 83	2-541-8334			NA		100 00 0000
Surface Location of V	Vell (quarter-quarter and	footage measurements);			Objective Fo	ormation(s):	APR 0.3 2025
,m _	NL, 1581' FEL				Bakken		MONTANA BOARD OF C
	Tagn R571				Township, F	Range, and Section	and the second second second second second second second
		on(s) if directional or horizo	ontal well:		T29N, R5	7E, Section 18	a
10102' TVD; 2		Section 14, T29N, R5	7		County:		
DI IL - 220 1 31	-, 000 FEL, 3E3E, 3	Section 14, 129N, Ro	/ E		Roosevel	lt	
					Elevation (i	ndicate GL or KB	:
		order 105-	2625		2337' GL		
Size and descr	iption of drilling/spa	cing unit and applica	ble order, if any:	F	ormation at to	otal depth:	Anticipated Spud Date:
		2, 11, & 14; T29N, I			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	,	10536'	671	Class G
6"	4-1/2"	13.5 lbs/ft	P-110	2	25964'	973	Class G
Drill 12-1/4" sur 10536' with oil inhibited fresh casing. Hydrau Clean out later	rface hole to 2000' v based (invert) mud. water mud. Run 4-1 lically fracture stimu	Run 7" intermediate /2" liner and cement late well with approx I. Install artificial lift, a	9-5/8" surface casi casing and cement to liner top at 9606' imately 21250400 li	ing and to 200 . Ceme bs of sa	I cement to s 00' from surfa ent bond log and in 37040	surface. Drill 8-3/4 ace. Drill 6" lateral and pressure test 00 bbls at 90 bbls/	" intermediate hole to to 25984' with to 7" intermediate min over 79 intervals.
	BOARD	USE ONLY					
Approved (date)	OCT 3 1 2025	Permit Fee	\$15000			hereby certifies that application is true a	
By Benjami	1 Davis	Check Number	100 0 0 000C	Sign	ned (Agent)	Danny	reen
Title Pro	hnical ogram	Permit Expires Permit Numbe		Title	Pe	etroleum Engine	eering Consultant
THIS PERMIT IS SUB		Number: 25 -085	- 22053	Date	е	4/3/2025	_
CONDITIONS OF API STATED ON THE BA	LOVAL I		00013	Tele	ephone Numbe	er40	06-855-6208
amples Required:	NONE	ALL	FROM			feet to	
Core chip	s to address below, full o	cores to USGS, Core Labor Montana I	ratory, Arvada, CO. Req Board of Oil and Gas (2535 St. Johns Aven Billings, MT 59102	Conserv ue		washed, dried and de	livered 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:

- 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

Talul Blase Non Water Volume	Total Buse Water Volume (1980)	True Vertical Depth (TVD)	Distant	Ladiludar	kongituda	Indian Wat	Fooder Well	Wed Namontal Number	Operator Number	API Number	County	State	Job End Date:
0	15,556,800	10,104	NAD83	48.301536	-104.286116	No	No	Jacobsen Farms Inc. 2-11-14-	Black Dog Operating, LLC	25-085-XXXXX-00-00	Roosevelt	Montana	8/20/2025 (proposed)







UNDWAI	Chemi
	cal Disck
1	o C

- 0			
1	1	ľ	•
9	5	•	
C	?		
	OHO: Ca	Oil & Gas	Toil& Gas

MITTER, MITTER	THE PERSON	
0	JUB GCC GT	10000

		14.05535%	21,250,400	100.00%	14808-60-7	Crystalline Silica in the form of Quartz	Proppant		Quartz
		0.00015%	233	0.10%	04-19-7				Crystatine Silica,
		U.UUUU3%	233	0.10%	R4-10-7	Acatic Acid			
		0.0001078	200	0.40%	7758-QR-7	Sulfuric Acid. Copper (2+) Salt (1-1)			
		0.0001594	233	0.10%	127-08-2	Acetic Acid, Potassium Salt			
		0.00015%	233	0.10%	8-20-48				
		0.00075%	233	0.10%	1000				
		0.0010436	2,000	0.408/	79.08.1	Acrylamide			
			3	1 00%	9005-65-6	Derivs			
		0.0010470	2,000			Sorbitan, Monooleate, Polyoxyethylene			
		0.00154%	2333	1.00%	68528-85-2	Alcohols, C9-11-Iso-, C10-Rich			
		0.00772%	11.667	5.00%	8007-43-0	Sorbitan, (Z)-9-Octadecenoate (2:3)			
		0.00772%	11,667	5.00%	/8330-21-9	Euloxylated			
					10000	Ethandated			
	Section 1988	0.00772%	11,667	5.00%	/04/-14-0	Alcohole Cat and len Cap Blan			
		0.03087%	40,000	20.0079	7647 44 6	Sodium Chloride			
		200000	10 000	20 00%	64742-47-R	Light			
		0.00000.70	10,000			Distillates (Petroleum), Hydrotreated			
		0.03087%	48 BSS	20.00%	38193-60-1	Salt, Polymer with 2-Propenamide			
						Oxo-2-Propenyl) Amino]-, Monosodium			
						1-Propanesulfonic Acid, 2-Methyl-24(1-			
		0.001/0%	20,002	10.000					
		0.0047384	02 222	40 00%	7732-18-5	Water	Friction Reducer	ChampionX	FFK4100
		2600000	36	0.10%	67-56-1	Methanol			
		0.00108%	1.635	4.50%	64-17-5	Ethanol			
		0.00108%	1.635	4.50%	111-30-8	Glutaraldehyde			
		0.00480%	7,265	20.00%	08424-80-1	DelizyFC1z-10-Alkyldimetryl, Chlondes			
						Quaternary Ammonium Compounds,			
						· Value of the control of the contro			
		0.00480%	7 265	20.00%	107-21-1	Ethylene Glycol			
		0.00480%	7 265	20,00%	7732-18-5	Water			
		0.00721%	10,897	30.00%	67-63-0	isopropanol	BIOCIDE	CriampionX	DICCLITONA
		0.00003%	52	0.10%	74-87-3	Methane, Chloro-			BIOCHARON
		0.00003%	52	0.10%	7647-14-5	Sodium Chloride			
		0.00003%	52	0.10%	NA	Нудгоспірпде			
						Amines, Dicoco Alkymethyl,			
		0.00003%	52	0.10%	61/88-62-3	Amines, Dicoco Alkymetryi			
GAS CORSERVATION . BILLINGS	GMO COROER	0.00034%	516	1.00%	0/-63-0	Alico			
WITCH OF CITY	o to o to to	0.00034%	516	1.00%	01/08-//-0	Cicoco Ciryinaniouly, Ciminades			
MONTANA BOARD OF OIL &	MONTANA			4 0000	61790 77 2	Dioco Alkyldinethyl Chlorides			
		0.00682%	10.316	20,0076	1-79-17010	Olisteriary Ammonium Compounds			
				2000	24077 40 7	Isodeod-Omega Hidowy			
	AFK	0.02388%	36,106	70.00%	1/32-18-5	Water And Establish Alleha	Guidciani	Citalibiology	
2000		0.00002%	31	0.10%	/44/-4U-/	LOGSSIGH CHINING	Circulation	ChempionX	Product 6191
		0.00010%	155	0.50%	1310-/3-2	Sodium Hydroxide			
		0.00010%	155	0.50%	111-40-0	Coding Bidgeride			
֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	115	0.00082%	1,244	4.00%	10043-02-4	Carduit Ciliona			
て「一一一一一	してて	0.500000	447	4.00%	40043 63 4	Calcium Chlorida			
		0.00000	1,000	A nnex	7647-14-5	Sodium Chlorida			
		Managar o	1 005	15 00%	129898-01-7	Phosphinate, Sodium Salt			
		0.UUJUJUJ	4,000	10.00%	100	2-Propenoic Acid Polymer with Sodium			
		0.01234%	900,009	46 000	107-31-1	Ethylana Glycol			
		00.200.000	10,000,11	SO ODE	7732-18-5	Water	Scale Inhibitor	ChampionX	ASP FSC200
		85 71162%	129 588 144	100.00%	7732-18-5	Water	Carrier	Operator	Water
		Britis and the	(teast)	Constitution Security	To second second				
	- Constitution	- Contraction	management	The second second second	Number (Cas at			100 m 200 m	
				3	Abstract Sarvice	Ingradients	Purpose	Supplier	Trade Name
		Ingradiant	Man out	Maximum ingredient	Chamical				
		OUT CONTROL OF THE PARTY OF THE							