

Operator Name Prairie Resources Corp. Lease Name Darby Well# 4 SEC 14 TWP 13 RGE 20 ☒ East ☐ West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem test giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken

☐ Yes☒ No

Samples Sent to Geological Survey

☐ Yes☒ No

Cores Taken

☒ Yes☐ No

Formation Description

☐ Log☒ Sample

Name

Top

Bottom

Hertha
Ft. Scott375
604

size

set at

packer at

Liner Run

☐ yes☐ no

Date of First Production

Producing method

☐ flowing☒ pumping☐ gas lift☐ Other (explain)Estimated Production
Per 24 Hours

Oil

Gas

Water

Gas-Oil Ratio

Gravity

Bbls

MCF

Bbls

CFPB

Disposition of gas:

☒ vented☐ sold☐ used on lease

METHOD OF COMPLETION

☐ open hole☒ perforation

Other (specify)

☐ Dually Completed.☐ Commingled

PRODUCTION INTERVAL

CASING RECORD

☒ new☐ used

Report all strings set - conductor, surface, intermediate, production, etc.

Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surface Casing	9 7/8" 5 5/8"	7" 2 7/8 10 Rnd	15.5 6.7	60 738	Portland 50/50 Pozz	23 103	None 2% NaCl

PERFORATION RECORD

shots per foot

specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used)

Depth

14-13-206

ACO-1 WELL HISTORY

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OPERATOR Prairie Resources LEASE NAME DarbySEC 14 TWP 13 RGE 20(E)
(W)WELL NO. #4

FILL IN WELL INFORMATION AS REQUIRED.

Show all important zones of porosity and contents thereof;
 cored intervals, and all drill-stem tests, including depth
 interval tested, cushion used, time tool open, flowing &
 Shut-in pressures, and recoveries.

Show Geological markers,
 logs run, or Other
 Descriptive information.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Brown Clay	0.0'	20.0'		
Gray clay w/trace gravel	20.0'	43.0'		
Brown broken limestone	43.0'	49.0'		
Gray sandstone	49.0'	54.0'		
Black shale	54.0'	55.0'		
Gray shale	55.0'	57.0'		
Black shale	57.0'	58.0'		
Gray limestone	58.0'	65.0'		
Gray shale	65.0'	80.0'		
Gray limestone	80.0'	98.0'		
Gray shale	98.0'	130.0'		
Gray limestone	130.0'	162.0'		
Gray sandy shale	162.0'	195.0'		
Gray limestone	195.0'	210.0'		
Gray shale	210.0'	215.0'		
Brown limestone	215.0'	217.0'		
Gray limestone	217.0'	219.0'		
Black shale	219.0'	220.0'		
Gray brown limestone	220.0'	223.0'		
Gray limestone w/shale seams	223.0'	245.0'		
Gray limestone	245.0'	255.0'		
Gray shale	255.0'	270.0'		
Red shale	270.0'	273.0'		
Gray shale	273.0'	275.0'		
Gray limestone	275.0'	281.0'		
Dark gray shale	281.0'	283.0'		
Gray limestone	283.0'	285.0'		
Dark gray shale	285.0'	287.0'		
Gray limestone	287.0'	290.0'		
Brown limestone	290.0'	293.0'		
Gray limestone	293.0'	325.0'		
Gray sandy limy shale	325.0'	330.0'		
Black shale	330.0'	332.0'		
Gray shale	332.0'	335.0'		
Gray limestone	335.0'	357.0'		
Gray shale	357.0'	358.0'		
Black shale	358.0'	360.0'		
Gray limestone	360.0'	366.0'		
Gray shale	366.0'	369.0'		
Gray limestone	369.0'	375.0'		
Gray shale	375.0'	379.0'		
Gray sandstone	379.0'	390.0'		
Gray sandy shale	390.0'	495.0'		
Gray sandstone	495.0'	500.0'		
Gray shale w/limestone & red shale	500.0'	520.0'		
Gray shale seams	520.0'	525.0'		
Gray limestone	525.0'	526.0'		
Gray sandy shale	526.0'	535.0'		
			Hertha	375.0'

MAY 17 1985

State Geological Survey
WICHITA BRANCH

MAR 23 1985

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OPERATOR Prairie Resources LEASE NAME Darby
WELL NO. #4

SEC 14 TWP 13 RGE 20 (E)
(W)

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Shut-in pressures, and recoveries.

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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Black Shale	590.0'	592.0'	Ft. Scott	604.0'
Gray sandy shale w/limestone seams	592.0'	599.0'		
Gray limestone	599.0'	604.0'		
Gray shale	604.0'	607.0'		
Red shale	607.0'	608.0'		
Gray shale	608.0'	617.0'		
Gray limestone	617.0'	618.0'		
Gray shale	618.0'	620.0'		
Black shale	620.0'	622.0'		
Gray shale	622.0'	627.0'		
Gray limestone	627.0'	628.0'		
Gray sandy shale	628.0'	635.0'		
Dark gray shale	635.0'	637.0'		
Gray limestone	637.0'	637.5'		
Gray sandy shale	637.5'	639.5'		
Brown sandstone, oil	639.5'	643.5'		
Gray sandy shale, w/oil seams	643.5'	646.0'		
Brown sandstone, oil	646.0'	647.0'		
Gray sandy shale	647.0'	649.5'		
Gray sandy shale	649.5'	655.5'		
Sames	655.5'	693.0'		
Black shale	693.0'	694.0'		
Gray shale	694.0'	697.0'		
Gray sandy shale	697.0'	711.3'		
Brown sandstone, oil	711.3'	712.9'		
Gray sandy shale	712.9'	721.3'		
Gray sandy shale	747.0'	Total Depth		
Gray shale	535.0'	540.0'		
Gray limestone	540.0'	546.0'		
Gray shale	546.0'	550.0'		
Gray limestone	550.0'	552.0'		
Gray shale	552.0'	555.0'		
Black shale	555.0'	557.0'		
Gray shale	557.0'	560.0'		
Gray limestone	560.0'	568.0'		
Gray shale	568.0'	570.0'		
Gray sandstone	570.0'	573.0'		
Gray sandy shale	573.0'	575.0'		
Gray shale	575.0'	585.0'		
Brown limestone	585.0'	589.0'		
Gray shale	589.0'	590.0'		