

SECURITIES AND EXCHANGE COMMISSION

FORM 13F-HR

Initial quarterly Form 13F holdings report filed by institutional managers

Filing Date: **2005-05-02** | Period of Report: **2005-03-31**
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FILER

MITCHELL CAPITAL MANAGEMENT CO

CIK: **1080351** | IRS No.: **481032366** | State of Incorporation: **KS** | Fiscal Year End: **1231**
Type: **13F-HR** | Act: **34** | File No.: **028-05171** | Film No.: **05789739**

Mailing Address
2600 GRAND BLVD
SUITE 750
KANSAS CITY MO 64108

Business Address
2600 GRAND BLVD
SUITE 750
KANSAS CITY MO 64108
8165616512

Form 13F

Form 13F Cover Page

Report for the Calendar Year or Quarter Ended: 033105

Check here if Amendment [] ; Amendment Number: _____

This Amendment (Check only one): [] is a restatement.
[] adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: Mitchell Capital Management Co.
Address: 2600 Grand Blvd
Suite 750
Kansas City, MO 64108

13F File Number: 28-05171

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statement, schedules, lists and tables, are considered integral parts of this form.

Person signing this Report on Behalf of Reporting Manager:

Name: Ken Green
Title: Vice President
Phone: 816-561-6512

Signature, Place, and Date of Signing:

Ken Green Kansas City, MO 033105

Report Type (Check only one):

[X] 13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report).

[] 13F NOTICE. (Check here if all holdings of this reporting manager are reported in this report).

[] 13F COMBINATION REPORT. (Check here if a portion of all the holdings for this reporting manager are reported in this report and a portion are report by other manager (s)).

<TABLE>

NAME OF ISSUER	TITLE OF CLASS	CUSIP	FORM 13F INFORMATION TABLE							VOTING AUTHORITY		
			VALUE (x\$1000)	SHARES/ PRN AMT	SH/ PRN	PUT/ CALL	INVSTMT DSCRETN	OTHER MANAGERS	SOLE	SHARED	NONE	
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AFLAC Inc	COM	001055102	5502	147659	SH		SOLE			147259		
Altera Corp.	COM	021441100	1972	99675	SH		SOLE			99075		
Amgen Inc	COM	031162100	4557	78291	SH		SOLE			77991		
Apache Corp	COM	037411105	4205	68675	SH		SOLE			68425		
Applied Materials Inc	COM	038222105	4055	249535	SH		SOLE			248735		
BP PLC - Sp ADR	COM	055622104	315	5045	SH		SOLE			5045		
Bank of America	COM	060505104	548	12437	SH		SOLE			12437		
Best Buy Company	COM	086516101	5018	92900	SH		SOLE			92625		
Bright Horizons Family Solutio	COM	109195107	2456	72800	SH		SOLE			72550		
CDW Corporation	COM	12512n105	2365	41725	SH		SOLE			41425		
Cass Info Systems, Inc.	COM	14808p109	347	9010	SH		SOLE			9010		
Cathay General Bancorp	COM	149150104	4162	132140	SH		SOLE			131640		
Cisco Systems Inc	COM	17275R102	378	21150	SH		SOLE			21150		
Coca Cola	COM	191216100	363	8700	SH		SOLE			8700		
Cognizant Tech Solutions-A	COM	192446102	2624	56790	SH		SOLE			56565		
D.R. Horton Inc.	COM	23331a109	2121	72554	SH		SOLE			72321		
Dentsply International	COM	249030107	4642	85320	SH		SOLE			85020		
Express Scripts	COM	302182100	5622	64480	SH		SOLE			64305		
Exxon/Mobil Corp	COM	30231G102	280	4706	SH		SOLE			4706		
Fiserv Inc	COM	337738108	4680	117585	SH		SOLE			117085		
General Elec	COM	369604103	939	26031	SH		SOLE			26031		

Hanmi Financial Corporation	COM	410495105	4025	243220	SH	SOLE	242420
Hibbett Sporting Goods Inc.	COM	428565105	3416	113709	SH	SOLE	113359
ITT Industries	COM	450911102	3804	42155	SH	SOLE	42005
Investors Financial SVCS	COM	461915100	4604	94135	SH	SOLE	93785
Johnsn & Johnsn	COM	478160104	211	3140	SH	SOLE	3140
L-3 Comm Holdings	COM	502424104	4007	56425	SH	SOLE	56225
Leucadia Natl	COM	527288104	276	8041	SH	SOLE	8041
MBNA Corp	COM	55262L100	340	13844	SH	SOLE	13844
Microsoft Corp	COM	594918104	497	20574	SH	SOLE	20574
Monster Worldwide	COM	611742107	4095	146188	SH	SOLE	146188
Oshkosh Truck Corp	COM	688239201	6727	82050	SH	SOLE	81750
Qualcomm Inc	COM	747525103	4400	120108	SH	SOLE	119858
Royal Dutch Pete	COM	780257705	228	3800	SH	SOLE	3800
SCP Pool Corp	COM	784028102	4615	144845	SH	SOLE	144370
SEI Investments Company	COM	784117103	3606	99735	SH	SOLE	99385
Scansource Inc	COM	806037107	3600	69450	SH	SOLE	69150
School Specialty Inc	COM	807863105	2388	60975	SH	SOLE	60445
Sungard Data	COM	867363103	4913	142400	SH	SOLE	141925
Target Corp	COM	87612E106	2851	56990	SH	SOLE	56840
Teva Pharm Ind-SP ADR	COM	881624209	6352	204974	SH	SOLE	204324
Texas Regional Bancshares - A	COM	882673106	4047	134406	SH	SOLE	133906
Toll Brothers Inc	COM	889478103	1991	25250	SH	SOLE	25150
Tractor Supply	COM	892356106	5341	122365	SH	SOLE	121865
United Stationers	COM	913004107	266	5874	SH	SOLE	5874
Williams-Sonoma Inc	COM	969904101	3260	88705	SH	SOLE	88405
XTO Energy Inc	COM	98385x106	2712	82574	SH	SOLE	82274
Yahoo	COM	984332106	5378	158633	SH	SOLE	158433
Yankee Candle Comp	COM	984757104	5032	158725	SH	SOLE	158325

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