



**INJECTION WELL PERMIT APPLICATION**

(TO DRILL, DEEPEN, PLUG BACK, OR CONVERT AN EXISTING WELL)

**RECEIVED** MAY 07 1998

MAY 07 1998

**NOTE** ▶ Permit approval for drilling only, not injection. Approval or denial for injection determined after Mechanical Integrity Test results reviewed and official notification given.

**MO Oil & Gas Council**

APPLICATION TO DRILL       DEEPEN       PLUG BACK       CONVERSION

NAME OF COMPANY OR OPERATOR: Pense Bros Drilling Co Inc      DATE: \_\_\_\_\_

ADDRESS: 800 Newberry St      CITY: Fredricktown      STATE: MO      ZIP CODE: 63645

**DESCRIPTION OF WELL AND LEASE**

NAME OF LEASE: McMahon      WELL NUMBER: 1-W      ELEVATION (GROUND): 950

WELL LOCATION: \_\_\_\_\_ FT. FROM (N) (S) SEC. LINE \_\_\_\_\_ FT. FROM (E) (W) SEC. LINE

WELL LOCATION: NE SE SECTION: 5 TOWNSHIP: 43N RANGE: 33W COUNTY: Cass

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE: 165 FEET  
DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE: 200 FEET

PROPOSED DEPTH: 300      ROTARY OR CABLE TOOLS: Rotary      DRILLING CONTRACTOR, NAME AND ADDRESS: Town Oil Co. 16205 W. 287, Paola, KS. 66071      APPROX. DATE WORK WILL START: 9-5-97

NUMBER OF ACRES IN LEASE: 40      NUMBER OF WELLS ON LEASE, INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR: 6  
NUMBER OF ABANDONED WELLS ON LEASE: 1

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?      NO. OF WELLS: PRODUCING 5  
NAME: Pense Bros      INJECTION 1  
ADDRESS: 800 Newberry Fredricktown, MO. 63645      INACTIVE \_\_\_\_\_  
ABANDONED \_\_\_\_\_

STATUS OF BOND

SINGLE WELL       BLANKET BOND       ON FILE  
AMOUNT \$ \_\_\_\_\_      AMOUNT \$ 20,000.00       ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED.)

PROPOSED CASING PROGRAM				APPROVED CASING -- TO BE FILLED IN BY STATE GEOLOGIST			
AMOUNT	SIZE	WT/FT	AMT. OF CEM.	AMOUNT	SIZE	WT/FT	AMT. OF CEM.
20'	6 1/4	14#	3				
300	2 7/8	6.5#	40				

I, the undersigned, state that I am the Partner of the Town Oil Co. (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE: Ralph Town      DATE: 9-5-97

PERMIT NUMBER: 20655       DRILLER'S LOG REQUIRED       E-LOGS REQUIRED IF RUN

APPROVED DATE: 5/14/98       CORE ANALYSIS REQUIRED IF RUN       DRILL STEM TEST INFO. REQUIRED IF RUN

APPROVED BY: Jane Holly Williams       SAMPLES REQUIRED       SAMPLES NOT REQUIRED

**NOTE** ▶ THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION. APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE.

I \_\_\_\_\_ of the \_\_\_\_\_

Company confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized Council representative.

DRILLER'S SIGNATURE

DATE

**PROPOSED OPERATIONS DATA**

PROPOSED AVERAGE DAILY INJECTION,	PRESSURE <u>200</u> PSIG, RATE <u>25</u> BPD/GPM, VOLUME _____ BBL/GAL
APPROVED AVERAGE DAILY INJECTION, (TO BE FILLED IN BY STATE GEOLOGIST)	PRESSURE <u>200</u> PSIG, RATE <u>25</u> BPD/GPM, VOLUME _____ BBL/GAL
PROPOSED MAXIMUM DAILY INJECTION,	PRESSURE <u>350</u> PSIG, RATE <u>50</u> BPD/GPM, VOLUME _____ BBL/GAL
APPROVED MAXIMUM DAILY INJECTION, (TO BE FILLED IN BY STATE GEOLOGIST)	PRESSURE <u>350</u> PSIG, RATE <u>50</u> BPD/GPM, VOLUME _____ BBL/GAL

ESTIMATED FRACTURE PRESSURE/GRADIENT OF INJECTION ZONE \_\_\_\_\_ PSI/FOOT

DESCRIBE THE SOURCE OF THE INJECTION FLUID

**NOTE ►** SUBMIT AN APPROPRIATE ANALYSIS OF THE INJECTION FLUID. (SUBMIT ON SEPARATE SHEET)

DESCRIBE THE COMPATIBILITY OF THE PROPOSED INJECTED FLUID WITH THAT OF THE RECEIVING FORMATIONS, INCLUDING TOTAL DISSOLVED SOLIDS COMPARISONS.

*Same as Producing Zone*

GIVE AN ACCURATE DESCRIPTION OF THE INJECTION ZONE INCLUDING LITHOLOGIC DESCRIPTIONS, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY, AND PERMEABILITY.

*Same as Pro. Zone.*

GIVE AN ACCURATE DESCRIPTION OF THE CONFINING ZONES INCLUDING LITHOLOGIC DESCRIPTION, GEOLOGIC NAME, THICKNESS, DEPTH, POROSITY, AND PERMEABILITY.

SUBMIT ALL AVAILABLE LOGGING AND TESTING DATA ON THE WELL

GIVE A DETAILED DESCRIPTION OF ANY WELL NEEDING CORRECTIVE ACTION WHICH PENETRATES THE INJECTION ZONE IN THE AREA OF REVIEW (1/2 MILE RADIUS AROUND WELL). INCLUDE THE REASON FOR AND PROPOSED CORRECTIVE ACTION.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

Form OGC-5

NEW WELL  WORKOVER  DEEPEN  PLUG BACK  INJECTION  SAME RESERVOIR  DIFFERENT RESERVOIR  OIL  GAS  DRY

OWNER: Pense Bros. Drilling Co., Inc. ADDRESS: 800 Newberry St. Fredricktown, MO. 63645

LEASE NAME: McMahan WELL NUMBER: 1-W

LOCATION: 1660' FSL 1185' FEL SEC. TWP. AND RANGE OR BLOCK AND SURVEY: 5-43N-33W

COUNTY: Cass PERMIT NUMBER (OGC-3 OR OGC-31): 20655

DATE SPUDDED: 9-27-97 DATE TOTAL DEPTH REACHED: 9-29-97 DATE COMPLETED READY TO PRODUCE OR INJECT: 9-29-97 ELEVATION (DF, RKR, RT, OR Gr.) FEET: 950 ELEVATION OF CASING HD. FLANGE FEET:

TOTAL DEPTH: 322 PLUG BACK TOTAL DEPTH:

PRODUCING OR INJECTION INTERVAL(S) FOR THIS COMPLETION: 274-284 ROTARY TOOLS USED (INTERVAL) 0 TO 322 CABLE TOOLS USED (INTERVAL):

WAS THIS WELL DIRECTIONALLY DRILLED? No WAS DIRECTIONAL SURVEY MADE? WAS COPY OF DIRECTIONAL SURVEY FILED? DATE FILED:

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LIST LOGS FILED WITH THE STATE GEOLOGIST): Gamma Ray-Neutron DATE FILED:

**CASING RECORD**

CASING (REPORT ALL STRINGS SET IN WELL - CONDUCTOR, SURFACE, INTERMEDIATE, PRODUCING, ETC.)						
PURPOSE	SIZE HOLE DRILLED	SIZE CASING SET	WEIGHT (LB. FT)	DEPTH SET	SACKS CEMENT	AMOUNT PULLED
Surface	9 3/4	6 1/4	14	52	8	0
Completion	5 5/8	2 7/8	6.5	317	44	0

**TUBING RECORD**

**LINER RECORD**

SIZE	DEPTH SET	PACKER SET AT	SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
IN.	FEET	FEET	INCH	FEET	FEET		FEET
No							

**PERFORATION RECORD**

**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

NUMBER PER FEET	SIZE AND TYPE	DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL
2	2 1/8 alum jets	274-284	25 bbls gelled water 5 sx sand	274-284

**INITIAL PRODUCTION**

DATE OF FIRST PRODUCTION OR INJECTION		PRODUCING METHOD (INDICATE IF FLOWING, GAS LIFT, OR PUMPING — IF PUMPING, SHOW SIZE AND TYPE OF PUMP.)					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	OIL PRODUCED DURING TEST	GAS PRODUCED DURING TEST	WATER PRODUCED DURING TEST	OIL GRAVITY	
TUBING PRESSURE		CASING PRESSURE	CAL'ED RATE OF PRODUCTION PER 24 HOURS	OIL	GAS	WATER	GAS OIL RATIO
			PER 24 HOURS	bbls.	MCF	bbls.	API (CORR.)
				bbls.	MCF	bbls.	
12-97							
DISPOSITION OF GAS (STATE WHETHER VENTED, USED FOR FUEL OR SOLD)							

METHOD OF DISPOSAL OF MUD PIT CONTENTS: Hauled off and covered

CERTIFICATE: I, THE UNDERSIGNED, STATE THAT I AM THE \_\_\_\_\_ OF THE Pense Bros Drilling Co. COMPANY, AND THAT I AM AUTHORIZED BY SAID COMPANY TO MAKE THIS REPORT, AND THAT THIS REPORT WAS PREPARED UNDER MY SUPERVISION AND DIRECTION AND THAT THE FACTS STATED THEREIN ARE TRUE, CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

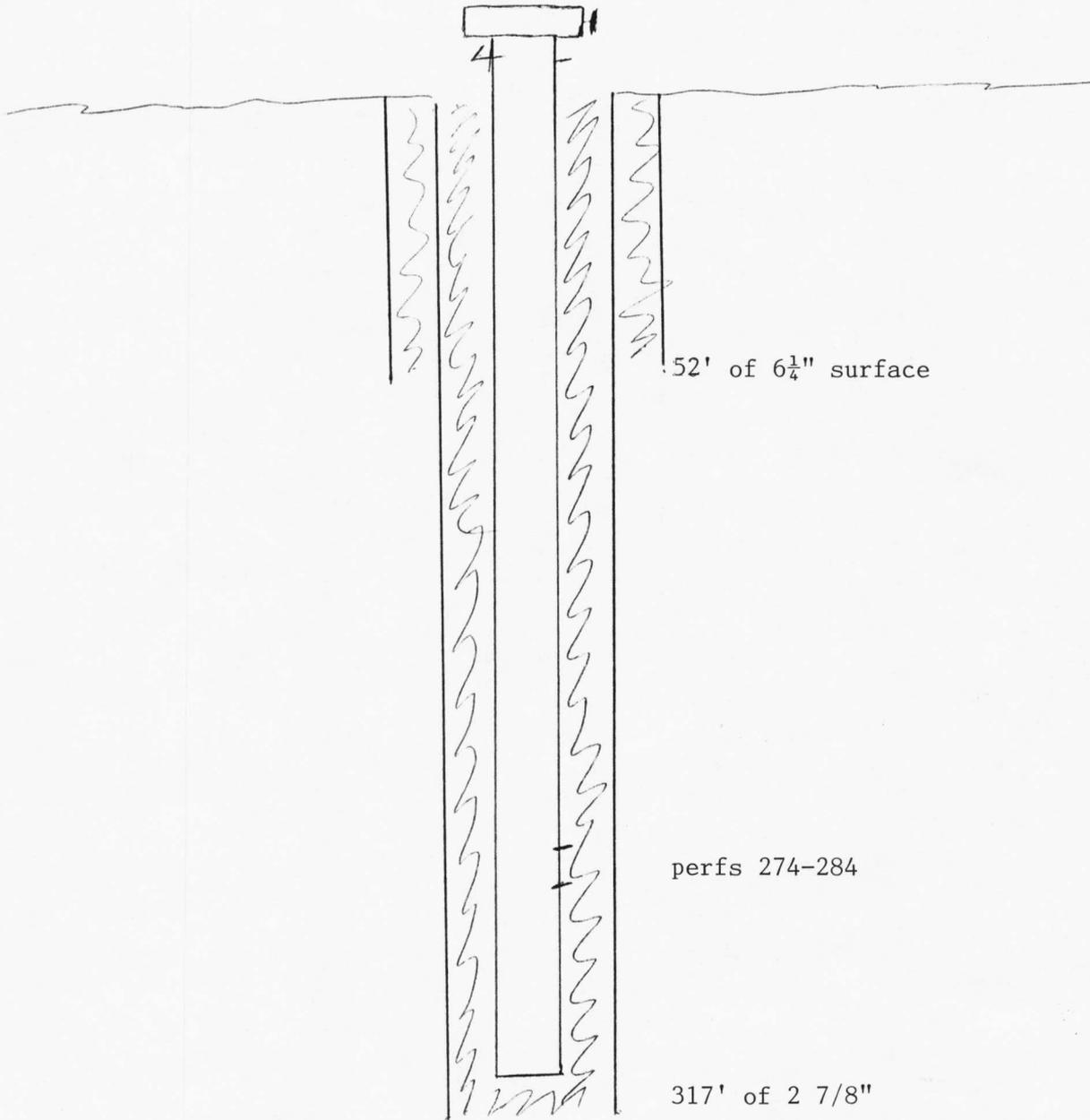
DATE: 12-4-98 SIGNATURE: Lester Town by djb

RECEIVED  
DEC 14 1998



**MISSOURI DEPARTMENT OF NATURAL RESOURCES  
MISSOURI OIL AND GAS COUNCIL  
INJECTION WELL SCHEMATIC**

COUNTY Cass	PERMIT NUMBER	OPERATOR Pense Bros Drilling Co.	WELL NUMBER McMahon 1-W
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52' of 6 1/4" surface

perfs 274-284

317' of 2 7/8"

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DEC 14 1998  
MO Oil & Gas Council

**INSTRUCTIONS** ON THE ABOVE SPACE DRAW A NEAT, ACCURATE SCHEMATIC DIAGRAM OF THE APPLICANT INJECTION WELL, INCLUDING THE FOLLOWING: CONFIGURATION OF WELL HEAD, TOTAL DEPTH OR PLUG BACK TOTAL DEPTH, DEPTH OF ALL INJECTION OR DISPOSAL INTERVALS, AND THEIR FORMATION NAMES, LITHOLOGY OF ALL FORMATIONS PENETRATED, DEPTHS OF THE TOPS AND BOTTOMS OF ALL CASING AND TUBING, SIZE AND GRADE OF ALL CASING AND TUBING, AND THE TYPE AND DEPTH OF PACKER, DEPTH, LOCATION, AND TYPE OF ALL CEMENT, DEPTH OF ALL PERFORATIONS AND SQUEEZE JOBS, AND GEOLOGIC NAME AND DEPTH TO BOTTOM OF ALL UNDERGROUND SOURCES OF DRINKING WATER WHICH MAY BE AFFECTED BY THE INJECTION. USE BACK IF ADDITIONAL SPACE IS NEEDED, OR ATTACH SHEET



CONSOLIDATED INDUSTRIAL SERVICES, INC.  
 211 W. 14TH STREET, CHANUTE, KS 66720  
 316-431-9210 or 800-467-8676

TICKET NUMBER **4750**  
 LOCATION Ottawa  
 FOREMAN Alan Mader

TREATMENT REPORT

DATE	CUSTOMER ACCT.#	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
8-29-97	7823	McMahaen #1-W					Cass	
CHARGE TO <u>Town 0:1</u>				OWNER				
MAILING ADDRESS <u>16205 W 287<sup>ST</sup></u>				OPERATOR				
CITY <u>Paola</u>				CONTRACTOR <u>Town</u>				
STATE <u>KS</u>		ZIP CODE <u>66071</u>			DISTANCE TO LOCATION <u>45</u>			
TIME ARRIVED ON LOCATION <u>12:00</u>				TIME LEFT LOCATION <u>2:00</u>				

WELL DATA	
HOLE SIZE	<u>5 5/8</u>
TOTAL DEPTH	<u>320</u>
CASING SIZE	<u>2 7/8</u>
CASING DEPTH	<u>315</u>
CASING WEIGHT	<u>p.in at 309</u>
CASING CONDITION	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

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 DEC 14 1998

MO Oil & Gas Council

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS Establish circulation with clean water. Mixed + pumped 1sx of gel followed by app 5 bbl clean water. Mixed + pumped 44 sy 50/50 per, 2% gel. Circulated cement to surface. Pumped 2 1/2 rubber plug to p.in at 309'. Well held 600<sup>psi</sup> pressure for 30 min. M.I.T. Closed valve.

Alan Mader

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psi
FINAL DISPLACEMENT	psi
ANNULUS	psi
MAXIMUM	psi
MINIMUM	psi
AVERAGE	psi
ISIP	psi
5 MIN SIP	psi
15 MIN SIP	psi

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE x PRESSURE x 40.8	

AUTHORIZATION TO PROCEED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

MECHANICAL INTEGRITY TEST REPORT

RECEIVED

DEC 11 2007

Test Date: 14 Nov 2007

Mo Oil & Gas Council

Operator: Town Oil Company, Inc.  
Contact Person: Lester Town  
Address: 16205 West 287th St. Paola, Kansas 66071  
Phone: 913-294-2125

Lease McMahon Well # 1-W  
County CASS Permit # 20655

TEST INFORMATION:

Type MIT: Pressure  Radioactive Tracer Survey  Temperature Survey

	Run #1	Run #2	Run #3
Start Time:	<u>8:00</u>		
End Time:	<u>9:00</u>		

Length of Test: 60 min  
(Start Time minus End Time)

Initial Pressure (PSI): 70  
Ending Pressure (PSI): 70

Pressure Change: 0  
(Initial Pressure minus Ending Pressure)

Fluid used for test (water, nitrogen, CO2, ect.): Air

Comments about test: Perf - 274'-284' 274'-110' = 164  
164 x .43 = 70# (110' to fluid) TD 305'

The bottom of the tested zone is shut in with cement at a depth of 305' ft. In signing the form below, it is certified that the above indicated well was tested for mechanical integrity on the date shown at the top of this page.

Signed: Stirling P. Hornbuckle EOR  
Operator Contact Person or Title  
Approved Agent

DO NOT WRITE BELOW THIS LINE

Results were: Satisfactory  Not Satisfactory   
State Agent: Jeff JAQUSS Witnessed: Yes  No

REMARKS: Computer Update  FILE WITH PERMIT!

MECHANICAL INTEGRITY TEST REPORT

RECEIVED

NOV 15 2002

MO Oil & Gas Council

Test Date: 8 Nov 2002

Operator: Town Oil Company Inc

Contact Person: Fester Town

Address: 16205 West 87th St. PAOLA IAN 66071

Phone: 913 294 2125

Lease Mc MAHON

Well # 1 W

County CASS

Permit # 20634 20655

TEST INFORMATION:

Type MIT: Pressure  Radioactive Tracer Survey  Temperature Survey

Start Time: 0800 Run #1 Run #2 Run #3

End Time: 0835

Length of Test: 35 MIN.  
(Start Time minus End Time)

Initial Pressure (PSI): 118 #

Ending Pressure (PSI): 118 #

Pressure Change: 0  
(Initial Pressure minus Ending Pressure)

Fluid used for test (water, nitrogen, CO2, ect.): Air

Comments about test: Per FORMATIONS 274-284 TD 305'

FULL OF FLUID 274' of water x .43 = 118#

The bottom of the tested zone is shut in with Cement at a depth of \_\_\_\_\_ ft. In signing the form below, it is certified that the above indicated well was tested for mechanical integrity on the date shown at the top of this page.

Signed: Stirling P. Hainbuckle EOR,  
Operator Contact Person or Title  
Approved Agent

DO NOT WRITE BELOW THIS LINE

Results were: Satisfactory  Not Satisfactory

State Agent: WD Witnessed: Yes  No

REMARKS: \_\_\_\_\_

Computer Update

FILE WITH PERMIT!

037-20655

BIKES each of you,  
ester and Freda Shipley 13-11c  
Drexel,

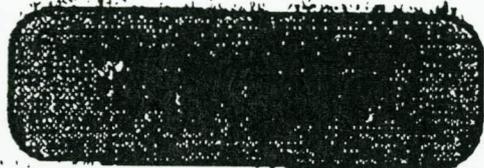
Thank you for sponsoring the first  
all tri-county community show. Your  
help has been a lot. We got enough  
to say that we may have it again next  
year. We'd also like to thank the  
people that came to see our pieces,  
our teacher, Shirley Williams  
and family. If you didn't come this  
year, please come next year.

gried,  
ck Thomas and Shelby Musick  
13-11c

**RENT**—  
3-bedroom apartment in Drexel.  
and refrigerator. No Pets. Non-  
smoker. \$300 rent and \$300.00 de-  
posit. Water and trash paid. 657-  
16-11c

**RENT**—  
Mobile Home parking spaces,  
State Street, Drexel. Call 816-  
171. 9-11c

**AL CANDY** route. 30 vending  
machines. Earn approx. \$800/day. All  
equipment. 1995. Call 1-800-998-VEND.  
Established 1978. \*Oil business.  
We make the best racing oil in  
the S. & for your family car.  
We have commercial/retail accounts.  
Minimum cash investment \$19,500.  
Call 397-6645.



**NOTICE**—  
Drexel Scouts 242 will hold first  
pack meeting, Monday, September  
22, 6:30 p.m., Drexel Methodist  
Church basement. Ages 1st - 4th  
Grades. 657-2481: **JOIN NOW!**

**PUBLIC NOTICE**  
Perme Bros. has applied for salt-  
water disposal/injection wells to  
be drilled to an approximate depth  
of 300 feet, at the following loca-  
tions: Markham #4, SE SE SE;  
McMahon #1W, SW, NE, SE;  
McMahon #2W, SW NE SE;  
McMahon #3W, SE NE SE;  
Honsinger #1W, SW SE NE;  
Honsinger #2W, SW SE NE all in  
Section 5, Township 43N, Range  
33W in Cass County, Missouri.  
Written comments or request for  
additional information regarding  
such wells should be directed  
within fifteen (15) of this notice to  
State Geologist  
Missouri Oil & Gas Council  
P.O. Box 250  
Rolla, MO 65401

**WANTED** low band portable radio  
with or without charger. K.E. Hat-  
ten, 816-657-2102.

**OWN FOR THE PRICE OF  
RENTING!** Build your home NOW,  
without the downpayment banks de-  
mand. Complete construction & per-  
manent financing if qualified. De-  
George Home Alliance, 1-800-343-  
2884.

**MORTGAGE LENDING.**  
Refinance 1st, 2nds, all types of  
credit, Professional Lending Serv-  
ices Inc., Columbia, Mo. 1-800-530-

Saturday, September 20th and  
Sunday September 21st, 8 a.m. - 7  
4th & Main, Drexel, Mo. across from  
Drexel School. Women's suits,  
women's casual wear, children's  
clothing, infant wear, misc., house-  
hold items, bike, carpet etc. Rain  
cancels until September 27. 13-11c

*Appeared in the  
Sept 18, 1997 issue  
of The Drexel  
Star*

### First perfect score of year takes Power Points prize

With upsets striking with alarming  
regularity, it was beginning to look  
like we'd never see a perfect score in  
the Missouri POWER POINTS  
Football Contest.

But all that came to an end during  
Week 3.

Steve Crites of Brighton, Mo.  
tallied the year's first perfect score of  
136 points to take home state honors  
and the accompanying \$1,000 cash  
prize in the contest.

Crites entered the contest through  
the Bolivar Herald-Free Press  
newspaper.

Local winners were: Adrian - John  
Gross 121 points; Drexel - David  
Duncan 105 points.

887 2032 or 333 1111  
**Cinema 6 of  
Harrisonville**  
In the Mill-Walk Mall  
2727 Cahrell Road  
\*All Shows Seen Before 8:00  
P.M. Are \$3.50 All Seats\*  
Sept. 19-Sept. 23 @ 4:00; 6:40; 9:00  
with a Sat. & Sun. Matinee @ 1:30  
Sean Paul & Michael Douglas in