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The Maurice L. Brown Company
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RE: Maurice L. Brown
~~No. 3 Merle~~ LKC #18
150' N & 50' E of SE NW SW
Sec. 14-T9S-R21W
Graham County, Kansas

ELEVATIONS:	2262 Ground Level
COMMENCED:	2267 Kelly Bushing
COMPLETED:	September 25, 1979
ROTARY TOTAL DEPTH:	October 5, 1979
LOGGED TOTAL DEPTH:	3762'
SURFACE CASING:	3756'
PRODUCTION CASING:	8 5/8" set at 258' with 190 sacks
LOGS:	5 1/2" set at 3760' with 600 sacks
	Gamma Ray, Neutron, Laterolog, BHC Acoustilog

DAILY PENETRATION RATE:

September 25, 1979	Moved in - Spud 4:45 P.M.
September 26, 1979	Drill Plug at 10:15 A.M.
September 27, 1979	2120 Feet 7:00 A.M.
September 28, 1979	2790 Feet "
September 29, 1979	3330 Feet "
September 30, 1979	3487 Feet "
October 1, 1979	3535 Feet D.S.T. No. 3 "
October 2, 1979	3580 Feet "
October 3, 1979	3645 Feet D.S.T. No. 6 "
October 4, 1979	3762 Feet D.S.T. No. 7 "
October 5, 1979	Set 5 1/2" Casing

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REMARKS:

All measurements are from Kelly Bushing (2267 Feet). Five feet above ground.

One foot drilling time was recorded and ten foot samples caught from 3200' to Rotary Total Depth.

Mud program by Magcobar.

FORMATION:

The following formation tops were determined by drill time and sample analysis, and log analysis.

<u>Formation</u>	<u>Sample</u>	<u>Log</u>	<u>Datum</u>
Stone Coral	1715	1719	+548
Heebner	3408	3410	-1143
Lansing "A"	3448	3450	-1183
Lansing "C"	3488	3492	-1225
Lansing "D"	3502	3507	-1240
Lansing "E"	3518	3525	-1258
Lansing "F"	3528	3534	-1267
Lansing "G"	3540	3545	-1278
Lansing "G"	3571	3574	-1307
Lansing "H"	3580	3583	-1316
Lansing "I"	3600	3604	-1337
Lansing "J"	3615	3619	-1352
Lansing "K"	3632	3636	-1369
Lansing "L"	3655	3659	-1392
Base Kansas City	3664	3669	-1402
Conglomerate	3707	3711	-1444

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DRILL STEM TESTS:

A geological drilling time and sample description log is included with this report.

The following is a sample description of the intervals covered by drill stem tests:

Lansing "A" Zone: 3448 -1181

3448 - 3457 Feet Cream-gray, fine, some medium crystalline Fossiliferous limestone, crystalline and fossil cast porosity, odor and show of free oil, spotted tan stain.

D.S.T. No. 1

3450 - 3460 Feet 1st Open: Weak Blow
 2nd Open: Very weak blow
 Recovered: 160' Muddy Water

I.H.P.	1793#
I.F.P.	42# - 52#
I.S.I.P.	554#
F.F.P.	84# - 94#
F.S.I.P.	533#
Temperature	120 Minutes
	102 Degrees F

Lansing "C" Zone: 3488 -1221

3488 - 3492 Feet Gray, fine crystalline fossiliferous limestone, traces poor crystalline and fossil cast porosity, very slight show of free oil, scattered light tan, spotted stain.

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Lansing "D" Zone: 3502 - 1235

3502 - 3505 Feet Gray, fine crystalline - dense fossiliferous limestone, poor crystalline and fossil cast porosity. Very slight show of free oil. No odor, traces of spotted stain.

D.S.T. No. 2

3470 - 3510 Feet 1st Open: Very weak blow
2nd Open: No blow.
Recovered: 30' Drilling Mud

I.H.P.	1845#	
I.F.P.	63# - 52#	60 Minutes
I.S.I.P.	241#	60 Minutes
F.F.P.	73# - 52#	90 Minutes
F.S.I.P.	241#	120 Minutes
F.H.P.	1793#	
Temperature	100 Degrees F	

Lansing "F" Zone: 3528 -1261

3528 - 3532 Feet Gray, fine crystalline fossiliferous limestone. Crystalline and fossil cast porosity. Show of free oil, odor on fresh break, few pieces with good to fair stain.

D.S.T. No. 3

3522 - 3535 Feet 1st Open: Fair to strong blow
2nd Open: Strong Blow
Recovered: 180 Feet - - - Gas in pipe
250 Feet - - - Very heavy oil cut mud
120 Feet - - - Water
I.H.P. 1866#
I.F.P. 52# - 94# 60 Minutes
I.S.I.P. 303# 60 Minutes
F.F.P. 126# - 136# 60 Minutes
F.S.I.P. 303# 60 Minutes
F.H.P. 1793#
Temperature 101 Degrees F

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Lansing "G" Zone: 3540 -1273

3540 - 3550 Feet Traces cream - grey, fine crystalline fossiliferous limestone, poor crystalline and fossil cast porosity, very slight show of free oil, spotted stain; but mostly grey-white micro-crystalline, chalky limestone, trace of white fine crystalline, oolicastic limestone with no shows.

D.S.T. No. 4

3535 - 3550 Feet 1st Open: Very weak - 20 Minute Blow
2nd Open: No Blow
Recovered: 10 Feet Watery Mud

I.H.P.	1877#	
I.F.P.	31# - 31#	60 Minutes
I.S.I.P.	52#	60 Minutes
F.F.P.	42# - 42#	90 Minutes
F.S.I.P.	73#	120 Minutes
Temperature:	100 Degrees F	

Lansing "H" Zone: 3580 -1333

3600 - 3603 Feet Greenish grey, dense to fine crystalline fossiliferous limestone. Poor crystalline and fossil cast porosity with light tan stain.

Lansing "J" Zone: 3615 -1348

3615 - 3618 Feet Grey, fine crystalline chalky limestone, poor crystalline porosity with light tan stain.

D.S.T. No. 5

3565 - 3625 Feet 1st Open: Very weak thirty minute blow
2nd Open: No blow
Recovered: 15 Feet Drilling Mud

I.H.P.	1939#	
I.F.P.	63# - 63#	60 Minutes
I.S.I.P.	282#	60 Minutes
F.F.P.	73# - 73#	RE 90 Minutes
F.S.I.P.	387#	STATE COM 120 Minutes
F.H.P.	1897#	
Temperature	101 Degrees F	JAN 17 1980

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Lansing "K" Zone: 3632 - 1365

3635 - 3643 Feet Gray fine crystalline chalky limestone. Few pieces with pin point vug porosity, but mostly no visible porosity. Odor and show of free oil. Fair - Good stain.

D.S.T. No. 6

3625 - 3645 Feet 1st Open: Very weak blow
 2nd Open: No Blow
 Recovered: 35 Feet Watery mud with few spots of oil

I.H.P.	1939#	
I.F.P.	42# - 31#	60 Minutes
I.S.I.P.	52#	60 Minutes
F.F.P.	42# - 42#	90 Minutes
F.S.I.P.	52#	120 Minutes
F.H.P.	1887#	
Temperature	100 Degrees F	

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