OILFIELD RESEARCH LABORATORIES
536 NORTH HIGHLAND - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

November 8, 1982

Patrick Development Corporation
c/o Kerry Patrick
10009 Howe Drive
Leawood, Kansas 66206

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Johnson Lease, Well No. PDC-15, located in the Northeast ¼ of Section 31, T-26S, R-17E, Woodson County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on November 4, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Leawood, Kansas

Company Patrick Development Corporation Lease Johnson Well No. PDC-15

Depth Interval, Feet	Description
	LOWER SQUIRREL SANDSTONE
829.0 - 829.9	Brown sandstone.
829.9 - 830.4	Gray sandy shale.
830.4 - 830.7	Grayish brown shaly sandstone.
830.7 - 832.3	Gray slightly sandy shale.
832.3 - 832.6	Brown slightly shaly sandstone.
832.6 - 833.3	Grayish brown very shaly sandstone.
833.3 - 835.0	Gray slightly sandy shale.
835.0 - 835.4	Brown very shaly sandstone.
835.4 - 836.2	Gray slightly sandy shale.
836.2 - 836.5	Grayish brown very shaly sandstone.
836.5 - 837.2	Gray slightly sandy shale.
837.2 - 838.1	Grayish brown very shaly sandstone.
838.1 - 838.6	Grayish brown shaly sandstone.
838.6 - 839.4	Gray shale.
839.4 - 839.7	Grayish brown shaly sandstone.
839.7 - 840.0	Gray shale.
840.0 - 840.5	Alternate layers gray shale and brown sandstone.
840.5 - 841.6	Gray shale.
841.6 - 841.8	Grayish brown very shaly sandstone.
841.8 - 844.0	Gray shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Patrick Development Corporation Lease Johnson Well No. PDC-15

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	829.3	18.6	37	33	70	534	123.
2	830.5	11.6	8	83	91	72	4.6
3	832.4	11.3	28	68	96	246	6.0
4	833.2	11.8	41	54	95	375	Imp.
5	835.2	10.0	40	52	92	310	Imp.
6	836.4	10.9	18	73	91	152	Imp.
7	837.8	14.8	51	33	84	586	0.87
8	838.5	17.0	40	27	67	528	2.0
9	839.5	14.5	42	30	72	473	3.2
10	840.4	11.2	45	38	83	391	Imp.
11	841.7	15.4	40	38	78	478	Imp.