



OILFIELD RESEARCH LABORATORIES

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

April 19, 1982

Triple K Petroleum
Professional Building
Suite 11
401 South Main
Ottawa, Kansas 66067

Gentlemen:

Enclosed herewith are the results of tests run on the rotary core taken from the Broquin Lease, Well No. 6, located in Miami County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and was received in our laboratory on April 14, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Ottawa, Kansas

T16S, R.22E, Sec.31

Bourquin

Oilfield Research Laboratories

GENERAL INFORMATION & SUMMARY

Company Triple K Petroleum Lease Broquin Well No. 6
 Location _____
 Section _____ Twp. _____ Rge. _____ County Miami State Kansas

Elevation, Feet

Name of Sand.....

Squirrel

Top of Core

668.0

Bottom of Core

679.2

Top of Sand

668.0

Bottom of Sand

677.6

Total Feet of Permeable Sand

5.0

Distribution of Permeable Sand: Permeability Range Millidarcys

Feet

Cum. Ft.

1.0 - 1.5	2.4	2.4
1.5 - 2.0	1.0	3.4
3.0 - 4.0	1.0	4.4
15.0 - 20.0	0.6	5.0

Average Permeability Millidarcys

3.5

Average Percent Porosity

15.5

Average Percent Oil Saturation

22.4

Average Percent Water Saturation.....

68.4

Average Oil Content, Bbls./ A. Ft.

289.

Total Oil Content, Bbls./ Acre.....

2,440.

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LOGName Triple K Petroleum Lease Broquin Well No. 6

<u>Depth Interval, Feet</u>	<u>Description</u>
668.0 - 669.5	Light brown shaly slightly calcareous sandstone.
669.5 - 671.4	Grayish light brown shaly sandstone.
671.4 - 672.1	Gray shale.
672.1 - 672.5	Gray shale with brown sandstone partings.
672.5 - 673.0	Gray shale.
673.0 - 673.6	Brown sandstone.
673.6 - 677.6	Grayish brown very shaly sandstone.
677.6 - 679.2	Gray slightly sandy shale.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Triple K Petroleum Lease Broguin Well No. 6

Sample No.	Depth, Feet	Effective Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.	Feet of Sand		Total Oil Content	Perm. Capacity Ft. X md.
			Oil	Water	Total			Ft.	Cum. Ft.		
1	668.4	16.8	40	51	91	521	3.3	1.0	1.0	521	3.30
2	669.4	14.7	43	52	95	490	1.2	0.5	1.5	245	0.60
3	670.4	18.1	23	56	79	323	1.7	1.0	2.5	323	1.70
4	671.3	18.8	35	47	82	510	1.4	0.9	3.4	459	1.26
5	672.4	14.2	19	61	80	209	Imp.	0.4	3.8	84	0.00
6	673.5	20.0	43	45	88	667	16.	0.6	4.4	400	9.60
7	674.5	10.6	12	85	97	99	Imp.	1.0	5.4	99	0.00
8	675.4	13.4	6	90	96	62	Imp.	1.0	6.4	62	0.00
9	676.5	15.7	15	82	97	183	1.2	1.0	7.4	183	1.20
10	677.4	13.7	6	91	97	64	Imp.	1.0	8.4	64	0.00

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SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company		Triple K Petroleum		Lease		Broquin		Well No.		6	
Depth Interval, Feet		Feet of Core Analyzed		Average Permeability, Millidarcys		Permeability Capacity Ft. x Md.					
668.0 - 673.6		4.0		4.1		16.46					
673.6 - 677.6		1.0		1.2		1.20					
668.0 - 677.6		5.0		3.5		17.66					

Depth Interval, Feet		Feet of Core Analyzed		Average Percent Porosity		Average Percent Oil Saturation		Average Percent Water Saturation		Average Oil Content Bbl./A. Ft.		Total Oil Content Bbls./Acre	
668.0 - 673.6		4.4		17.5		34.0		51.5		462		2,032	
673.6 - 677.6		4.0		13.4		9.8		87.0		102		408	
668.0 - 677.6		8.4		15.5		22.4		68.4		289		2,440	

WATER SAT.,
PERCENT

← →

OIL SAT.,
PERCENT



SANDSTONE

SHALE WITH SANDSTONE PARTINGS

AVERAGE

TRIPLE K PETROLEUM

BROQUIN LEASE

WELL NO. 6

MIAMI COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS
668.0 - 673.6	4.4	17.5	34.0	51.5	4.1
673.6 - 677.6	4.0	13.4	9.8	87.0	1.2
668.0 - 677.6	8.4	15.5	22.4	68.4	3.5

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CHANUTE, KANSAS
APRIL, 1982
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