



OILFIELD RESEARCH LABORATORIES

536 NORTH HIGHLAND - CHANUTE, KANSAS - PHONE HE1-2650

September 23, 1966

Virgyl D. Johnson
Suite 1119 Mid-City Building
1331 Union Avenue
Memphis, Tennessee

Dear Sir:

Enclosed herewith are the results of tests run on the Rotary core taken from the Christena Mason Lease, Well No. 1, Bourbon County, Kansas, and submitted to our laboratory on September 20, 1966.

This core was sampled and the samples sealed in cans by a representative of Oilfield Research Laboratories. The well was drilled in virgin territory.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

BRP:rf

10 c. - Memphis, Tennessee
2 c. - Gilbert Fouts

-LOG-

Company Virgyl D. Johnson Lease Mason Well No. 1

Depth Interval, Description

Feet UPPER TUCKER

278.7 - 280.3 - Grayish light brown, shaly sandstone.
 280.3 - 282.3 - Light brown, shaly sandstone.
 282.3 - 284.3 - Dark, slightly carbonaceous, shaly sandstone.
 284.3 - 285.5 - Sandy shale.
 285.5 - 289.0 - Shale.
 289.0 - 295.5 - Sandy shale.
 295.5 - 297.7 - Loss.
 297.7 - 304.8 - Sandy shale.
 304.8 - 305.2 - Coal.
 305.2 - 313.5 - Sandy shale.
 313.5 - 315.7 - Sandy limestone.

LOWER TUCKER

317.7 - 322.6 - Brown sandstone.
 322.6 - 328.0 - Light brown, laminated, shaly, slightly calcareous
 sandstone.
 328.0 - 336.7 - Loss.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Virgyl D. Johnson Lease Mason Well No. 1

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.		
						-UPPER TUCKER-					
1	279.1	14.0	27	60	87	293	Imp.	0.9	0.9	264	0.00
2	280.1	15.7	25	54	79	304	Imp.	0.7	1.6	213	0.00
3	281.1	15.3	41	46	87	486	1.0	1.3	2.9	631	1.30
4	282.1	16.4	33	46	79	419	2.0	0.7	3.6	293	1.40
5	283.1	13.3	42	49	91	433	3.1	1.3	4.9	562	4.03
6	284.1	11.8	43	54	97	393	0.66	0.7	5.6	275	0.46
						-LOWER TUCKER-					
7	318.1	17.4	35	39	74	471	12.	0.9	0.9	425	10.80
8	319.1	17.7	32	40	72	439	21.	1.0	1.9	439	21.00
9	320.1	18.1	34	38	72	476	29.	1.0	2.9	476	29.00
10	321.1	17.8	31	43	74	428	7.1	1.0	3.9	428	7.10
11	322.1	16.3	32	35	67	404	10.	1.0	4.9	404	10.00
12	323.1	18.0	27	40	67	377	2.6	1.0	5.9	377	2.60
13	324.1	17.5	31	42	73	421	5.0	1.0	6.9	421	5.00
14	325.1	16.3	25	43	68	316	5.7	1.0	7.9	316	5.70
15	326.1	15.8	27	43	70	331	5.3	1.0	8.9	331	5.30
16	327.1	16.6	32	49	81	412	5.5	1.4	10.3	576	7.70