



# OILFIELD RESEARCH LABORATORIES

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

December 7, 1981

Allison Oil Company  
Box 95  
Chanute, Kansas 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Glades Lease, Well No. T-21, located in Section 16 in Woodson County, Kansas.

The cores were sampled by a representative of the client and were submitted to our laboratory on December 3, 1981. Sample No. 8 was unbagged and all of the Squirrel sand core, samples No. 12 through 25 were unbagged.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

T245, R16E, Sec 16

- REGISTERED ENGINEERS -

CORE ANALYSIS - WATER ANALYSIS - REPRESSURING ENGINEERING - SURVEYING & MAPPING - PROPERTY EVALUATION & OPERATION

## OILFIELD RESEARCH LABORATORIES

LOGName Allison Oil Company Lease Glades Well No. T-21

<u>Depth Interval, Feet</u>	<u>Description</u>
<u>UPPER SQUIRREL SAND</u>	
959.0 - 960.8	Grayish light brown very shaly calcareous sandstone.
960.8 - 964.3	Grayish brown shaly sandstone with fine shale partings.
964.3 - 964.8	Grayish brown slightly shaly sandstone.
964.8 - 967.5	Brown sandstone with intermittent fine shale partings.
967.5 - 968.2	Grayish brown shaly sandstone with fine shale partings.
968.2 - 970.0	Brown sandstone with intermittent fine shale partings.
<u>SQUIRREL SAND</u>	
1005.0 - 1005.4	Grayish brown shaly sandstone.
1005.4 - 1006.3	Brown sandstone.
1006.3 - 1007.0	Brown sandstone with intermittent fine shale partings.
1007.0 - 1008.4	Dark brown sandstone.
1008.4 - 1013.7	Dark brown sandstone with intermittent fine shale partings.
1013.7 - 1014.6	Brown and gray laminated sandstone and shale.
1014.6 - 1015.0	Dark brown sandstone.
1015.0 - 1017.4	Brownish black slightly carbonaceous sandstone with micaceous partings.
1017.4 - 1018.5	Black carbonaceous sandstone with micaceous partings.

## RESULTS OF SATURATION & PERMEABILITY TESTS

Company Allison Oil Company Lease Glades Well No. T-21

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbla. / A Ft.	Perm., Mill.
			Oil	Water	Total		
<u>UPPER SQUIRREL SAND</u>							
1	959.5	6.0	14	75	89	174	Imp.
2	960.4	7.1	11	83	94	61	118.
3	961.7	14.3	21	36	57	233	2.8
4	962.5	14.5	16	56	72	180	4.5
5	963.5	17.6	65	22	87	888	6.8
6	964.5	17.2	56	22	78	747	8.7
7	965.4	14.9	57	35	87	601	12.
* 8	966.5	12.5	58	26	84	563	11.
9	967.6	14.8	53	31	84	609	4.6
10	968.5	19.1	53	18	71	785	31.
11	969.6	18.8	52	25	77	758	28.
<u>SQUIRREL SAND</u>							
* 12	1005.6	18.8	58	16	74	846	42.
* 13	1006.4	18.9	71	17	88	1041	32.
* 14	1007.4	21.2	65	13	78	1069	92.
* 15	1008.5	19.7	64	20	84	978	26.
* 16	1009.6	20.9	66	6	72	1070	60.
* 17	1010.4	19.5	59	18	77	893	46.
* 18	1111.5	19.5	64	8	72	968	58.
* 19	1012.5	20.1	69	7	76	1076	370.
* 20	1013.5	21.0	85	10	95	1385	68.
* 21	1014.7	20.6	67	9	76	1071	28.
* 22	1015.5	18.6	84	9	93	1212	1.5
* 23	1016.5	19.3	52	11	63	779	6.3
* 24	1017.5	17.6	34	13	47	464	2.8
* 25	1018.3	17.5	48	10	58	652	3.3
Note: * Samples were unbagged.							