

OILFIELD RESEARCH LABORATORIES

- REGISTERED ENGINEERS -

700 NORTH MISSION
OKMULGEE, OKLAHOMA
PHONE: 4444

Chanute, Kansas

536 N. HIGHLAND
CHANUTE, KANSAS
PHONE: HE 1-2650

August 25, 1961

McDaniels & Miesner
Route 4
Independence, Kansas

Gentlemen:

Attached hereto are the results of tests run on the Cable tool core taken from the Wayside sand on the Jensen Lease, Well No. 3, Wilson County, Kansas, and submitted to our laboratory on August 23, 1961.

This core was sampled and the samples sealed in plastic bags by a representative of the client.

As you will note the last sample produced oil on flood pot tests. On this basis, we calculate a water-flood recovery of 132 barrels per acre foot. We do not know how much of the formation is represented by this sample, and thus can not report a recovery value per acre. The number of feet of formation represented by the sample times 132 will give the recovery per acre.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Benjamin R. Pearman
Benjamin R. Pearman

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Oilfield Research Laboratories

RESULTS OF SATURATION TESTS

TABLE II

Company McDaniels & Miesner Lease Jensen Well No. 3

Sat. No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Total	Oil Content Bbls./A. Ft.	Feet of Core		Total Oil Content Bbls./Acre
			Oil	Water			Ft.	Cum. Ft.	
1	487	14.9	14	55	69	162	1.0		162
2		10.8	25	67	92	210	1.0		210
3	497	16.0	24	60	84	299	1.0		299

RESULTS OF LABORATORY FLOODING TESTS

TABLE IV

Company McDaniels & Miesner Lease Jensen Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Volumes of Water Recovered cc ^a	Effective Permeability MIDDarcy ^b	Initial Fluid Production Pressure Lbs./Sq./In.
			%	Bbls./A. Ft.	%	Bbls./A. Ft.	% Oil	% Water	Bbls./A. Ft.			
1	487	15.0	16	186	0	0	16	73	186	8	0.245	40
2		11.1	24	207	0	0	24	68	207	0	Imp.	50+
3	497	16.5	24	307	4	51	20	74	256	120	2.84	20

Notes: cc—cubic centimeter.

^a—Volume of water recovered at the time of maximum oil recovery.

^b—Determined by passing water through sample which still contains residual oil.