

# OILFIELD RESEARCH LABORATORIES

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OKMULGEE, OKLAHOMA  
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- REGISTERED ENGINEERS -

Chanute, Kansas

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July 11, 1959

General American Oil Co. of Texas  
P. O. Box 352  
Hutchinson, Kansas

Gentlemen:

Attached hereto are the results of tests run on the 2 11/16" Rotary core samples taken from the Engle Lease, Well No. E-5, located in Section 27, 28? Township 28S, Range 22E, Crawford County, Kansas, and submitted to our laboratory by Mr. C. J. West on July 8, 1959.

These core samples were sealed in cans by a representative of the client.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Carl L. McElrea*  
Carl L. McElrea

CLM:cs

4 c.

**Oilfield Research Laboratories**  
**RESULTS OF PERMEABILITY TESTS**  
**TABLE I**

Company General American  
Oil Co. of Texas Lease Engle Well No. E-5

Sample No.	Depth Feet	Permeability Millidarcys	Feet of Core		Permeability Capacity Ft. x Md.
			Ft.	Cum. Ft.	
1	163.4	22.			
2	165.6	5.8			
3	167.8	20.			
4	170.1	26.			
5	172.0	6.3			

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## RESULTS OF SATURATION TESTS

TABLE II

Company General American Oil Co. of Texas Lease Engle Well No. E-5

Sat. No.	Depth, Feet	Effective Porosity Percent	Percent Saturation		Oil Content Bbls./A. Ft.	Feet of Core		Total Oil Content Bbls./Acre
			Oil	Water		Ft.	Cum. Ft.	
1	163.4	16.3	17	64	81			
2	165.6	15.5	20	61	81			
3	167.8	17.5	24	58	82			
4	170.1	17.0	19	61	80			
5	172.0	14.4	23	61	84			

### TABLE VI

Company General American Oil Co. of Texas Lease Engle Well No. E-5

Sample No.	Depth, Feet	Chloride Content of Brine in Sand ppm	Percent Water Saturation		
			Connate	Drilling & Foreign	Total
1	163.4	6,800			
2	165.6	3,400			
3	167.8	3,000			
4	170.1	5,300			
5	172.0	7,500			

**Note: ppm — parts per million**