



# OILFIELD RESEARCH LABORATORIES

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

July 18, 1981

Black Diamond Drilling Company  
R R # 2  
Colony, Kansas 66015

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Alice Burris Lease, Well No. 55, located in Section 29, T-28S, R-20E, in Neosho County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and was submitted to our laboratory on July 16, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Colony, Kansas

- REGISTERED ENGINEERS -

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

## OILFIELD RESEARCH LABORATORIES

LOGName Black Diamond Drilling Company Lease Alice Burris Well No. 55

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>BARTLESVILLE SAND</u>
521.0 - 522.0	Grayish brown slightly calcareous shaly sandstone.
522.0 - 522.4	Brown slightly calcareous sandstone.
522.4 - 524.1	Grayish brown slightly calcareous shaly sandstone.
524.1 - 526.6	Brown slightly calcareous sandstone.
526.6 - 527.0	Grayish very light brown slightly calcareous very shaly sandstone.
527.0 - 529.3	Grayish brown slightly calcareous shaly sandstone.
529.3 - 529.8	Dark brown slightly calcareous sandstone.
529.8 - 530.8	Grayish brown slightly calcareous very shaly sand- stone.
530.8 - 531.6	Brown slightly calcareous sandstone.
531.6 - 531.9	Gray sandy shale.
531.9 - 533.1	Dark brown slightly calcareous sandstone.
533.1 - 533.5	Gray sandy shale.
533.5 - 534.4	Dark brown slightly calcareous sandstone.
534.4 - 534.9	Grayish very light brown slightly calcareous very shaly sandstone.
534.9 - 535.5	Dark brown slightly calcareous sandstone.

## Oilfield Research Laboratories

### RESULTS OF SATURATION & PERMEABILITY TESTS

**TABLE 1**

Company Black Diamond Drilling Co ~~Lease~~ Alice Burris Well No. 55

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	521.6	18.0	35	31	66	489	7.3
2	523.5	17.1	45	38	83	597	5.9
3	524.3	17.5	35	41	76	475	16.
4	525.3	19.3	29	34	63	434	29.
5	526.4	19.1	25	36	61	370	36.
6	527.4	16.5	30	57	87	384	2.8
7	528.6	17.9	33	51	82	458	2.9
8	529.6	21.3	35	29	64	578	105.
9	531.4	18.3	37	34	71	525	6.2
10	532.5	20.8	42	33	75	678	41.
11	533.6	19.3	55	28	83	824	31.
12	535.4	19.3	58	26	84	868	18.