

OILFIELD RESEARCH LABORATORIES

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

August 30, 1982

Triad Energies, Inc.
c/o Richard Charlesworth
P. O. Box 71
Cherryvale, Kansas 67335

Gentlemen:

Enclosed herewith is the report of the analysis of the rotary core taken from the Baker Lease, Well No. 3, located in Montgomery County, Kansas and submitted to our laboratory on August 25, 1982.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/rmc

5 c to Cherryvale, Kansas

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Triad Energies, Inc. Lease Baker Well No. 3
 Location _____
 Section 33 Twp. 31S Rge. 17E County Montgomery State Kansas

Elevation, Feet	
Name of Sand.....	Bartlesville
Top of Core	745.0
Bottom of Core	764.0
Top of Sand	746.8
Bottom of Sand	763.7
Total Feet of Permeable Sand	9.1
Total Feet of Floodable Sand.....	0.0

Distribution of Permeable Sand: Permeability Range Millidarcys	Feet	Cum. Ft.
0 - 2	2.4	2.4
2 - 4	4.1	6.5
4 - 6	0.3	6.8
11 - 15	2.3	9.1

Average Permeability Millidarcys	5.0
Average Percent Porosity	16.4
Average Percent Oil Saturation	21.5
Average Percent Water Saturation.....	57.8
Average Oil Content, Bbls./A. Ft.	275.
Total Oil Content, Bbls./Acre.....	2,608.
Average Percent Oil Recovery by Laboratory Flooding Tests.....	0.
Average Oil Recovery by Laboratory Flooding Tests, Bbls./A. Ft.	0.
Total Oil Recovery by Laboratory Flooding Tests, Bbls./Acre	0.
Total Calculated Oil Recovery, Bbls./Acre.....	0.

The core was sampled and the samples sealed in plastic bags by a representative of the client. Salt water mud was used as a drilling fluid. The core was reported to be from a virgin area.

Since the core did not respond to flooding susceptibility tests, no calculated recovery is given.

FORMATION CORED

The detailed log of the formation cored is as follows:

<u>Depth Interval, Feet</u>	<u>Description</u>
745.0 - 745.8	Gray sandy shale.
745.8 - 746.7	Gray sandy limestone.
746.7 - 747.1	Gray very shaly sandstone.
747.1 - 749.6	Gray sandy shale.
749.6 - 750.6	Grayish light brown shaly sandstone.
750.6 - 752.4	Gray slightly sandy shale.
752.4 - 752.7	Grayish light brown shaly sandstone.
752.7 - 753.2	Gray shale.
753.2 - 754.6	Light brown shaly sandstone.
754.6 - 755.4	Gray sandy limestone.
755.4 - 757.8	Grayish light brown shaly sandstone.
757.8 - 759.7	Gray slightly sandy shale.
759.7 - 760.0	Grayish light brown shaly sandstone.
760.0 - 761.2	Light brown sandstone.
761.2 - 762.0	Grayish light brown shaly sandstone.
762.0 - 763.1	Light brown sandstone.
763.1 - 763.7	Grayish light brown very shaly sandstone.
763.7 - 764.0	Gray shale.

Oilfield Research Laboratories

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Triad Energies, Inc.

Lease Baker

Well No. 3

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.		
1	746.8	10.7	15	68	83	125	Imp.	0.4	0.4	50	0.00
2	749.7	16.0	25	55	80	310	1.9	0.5	0.9	155	0.95
3	750.4	15.4	24	48	72	287	3.3	0.5	1.4	144	1.65
4	752.5	16.8	31	41	72	404	4.0	0.3	1.7	121	1.20
5	753.5	16.2	21	59	80	264	2.9	0.7	2.4	185	2.03
6	754.4	15.3	26	62	88	309	2.1	0.7	3.1	216	1.47
7	755.5	15.9	18	65	83	222	2.5	0.7	3.8	155	1.75
8	756.5	17.1	16	60	76	212	3.6	0.7	4.5	148	2.52
9	757.4	16.2	11	71	82	138	1.8	1.0	5.5	138	1.80
10	759.8	16.9	18	65	83	236	1.3	0.3	5.8	71	0.39
11	760.8	17.9	29	51	80	403	11.	1.2	7.0	484	13.20
12	761.8	16.6	19	55	74	245	3.7	0.8	7.8	196	2.96
13	762.8	19.1	22	59	81	326	14.	1.1	8.9	359	15.40
14	763.4	13.8	29	42	71	310	0.90	0.6	9.5	186	0.54

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company	Lease	Baker	Well No.
Triad Energies, Inc.			3
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
746.7 - 763.7	9.1	5.0	45.86
Depth Interval, Feet	Feet of Core Analyzed	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.
746.7 - 763.7	9.5	21.5	57.8
	16.4	21.5	57.8
		21.5	57.8
			275
			2,608

Oilfield Research Laboratories

RESULTS OF LABORATORY FLOODING TESTS

TABLE IV

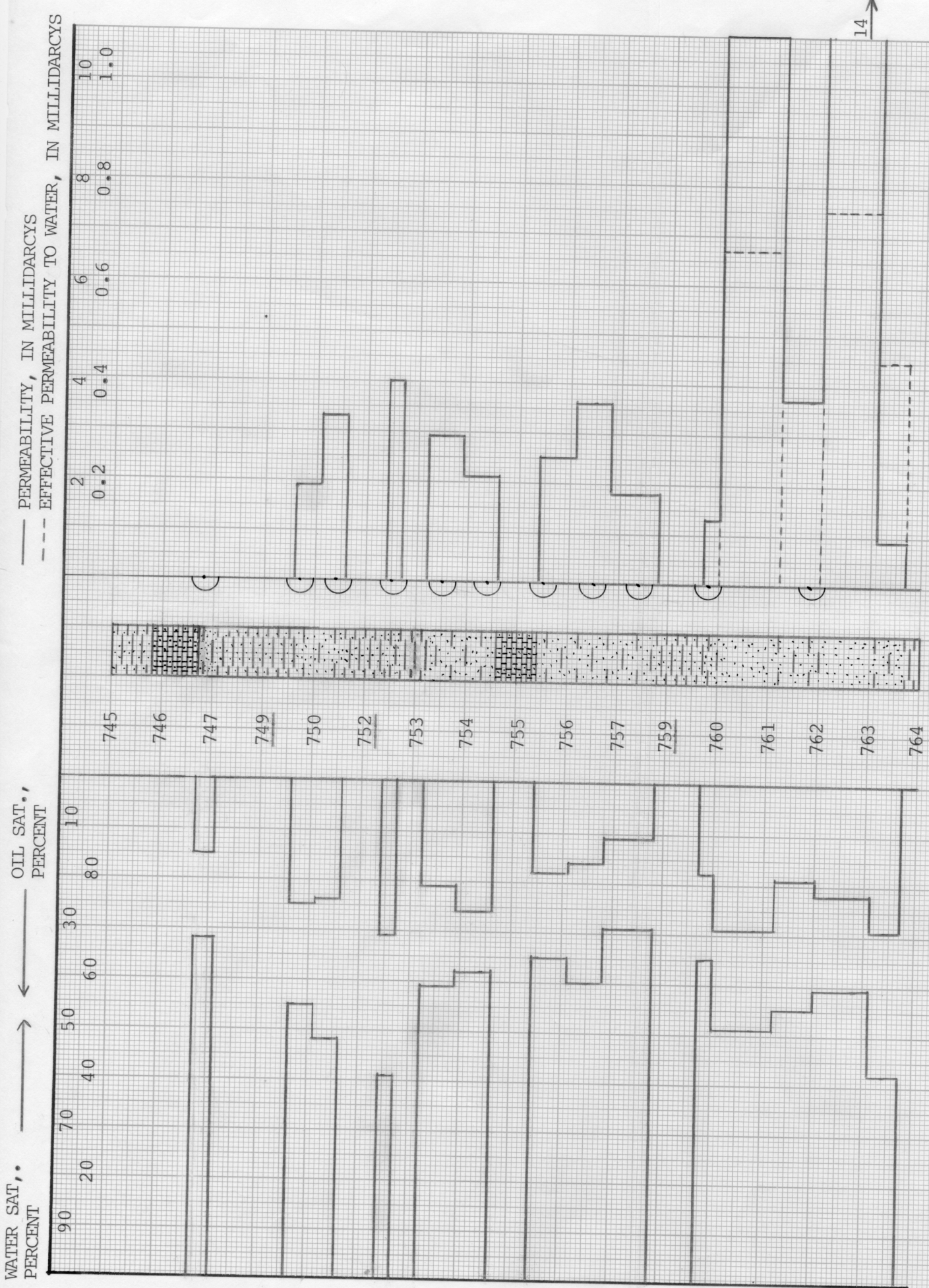
Company Triad Energies, Inc. Lease Baker Well No. 3

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Volume of Water Recovered cc*	Effective Permeability Millidarcys**	Initial Fluid Production Pressure Lbs./Sq./In.
			%	Bbls./A. Ft.	%	Bbls./A. Ft.	% Oil	% Water	Bbls./A. Ft.			
1	746.8	11.2	15	130	0	0	15	69	130	0	Imp.	-
2	749.7	16.1	25	312	0	0	25	56	312	0	Imp.	-
3	750.4	15.2	24	283	0	0	24	49	283	0	Imp.	-
4	752.5	16.7	31	402	0	0	31	42	402	0	Imp.	-
5	753.5	15.7	22	268	0	0	22	58	268	0	Imp.	-
6	754.4	14.8	27	310	0	0	27	61	310	0	Imp.	-
7	755.5	16.1	18	225	0	0	18	65	225	0	Imp.	-
8	756.5	16.6	17	219	0	0	17	59	219	0	Imp.	-
9	757.4	16.0	11	137	0	0	11	72	137	0	Imp.	-
10	759.8	17.0	18	237	0	0	18	64	237	0	Imp.	-
11	760.8	17.7	29	398	0	0	29	59	398	40	0.67	40
12	761.8	16.1	20	250	0	0	20	54	250	0	Imp.	-
13	762.8	19.0	22	324	0	0	22	68	324	54	0.75	30
14	763.4	14.3	28	311	0	0	28	59	311	32	0.45	35

Notes: cc—cubic centimeter.

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

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



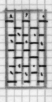
KEY:


SANDSTONE


SANDY LIMESTONE

SANDY SHALE

KEY:


 SANDY LIMESTONE

 SANDY SHALE

 SHALY SANDSTONE

 SANDSTONE

 SHALE

 IMPERMEABLE TO WATER

TRIAD ENERGY, INC.

BAKER LEASE

WELL NO. 3

MONTGOMERY COUNTY, KANSAS

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCYS	CALCULATED OIL RECOVERY BBLs. / ACRE
-------------------------	--------------------------	--------------------------------	-----------------------------------	-------------------------------------	---	--

746.7 - 763.7	9.5	16.4	21.5	57.8	5.0	-
---------------	-----	------	------	------	-----	---

OILFIELD RESEARCH LABORATORIES
 CHANUTE, KANSAS
 AUGUST, 1982 PDC