

OILFIELD RESEARCH LABORATORIES

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

November 23, 1981

Siddeg Production, Ltd.
219 South Plummer
Chanute, Kansas 66720

Gentlemen:

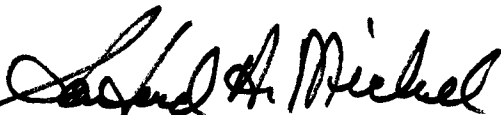
Enclosed herewith are the results of tests run on the rotary core taken from the Finney C Lease, Well No. 2-3-03, located in Allen County, Kansas.

The core was sampled and sealed in plastic bags by a representative of Oilfield Research Laboratories and received in our laboratory on November 17, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES



Sanford A. Michel

SAM/mkf

5 c to Chanute, Ks.

Oilfield Research Laboratories
GENERAL INFORMATION & SUMMARY

Company Siddeg Production, Ltd. Lease Finney C Well No. 2-3-03
 Location 1422' N of S Line & 1150' W of E Line
 Section 21 Twp. 25S Rge. 18E County Allen State Kansas

Elevation, Feet

Name of Sand.....

BARTLESVILLE

Top of Core

846.0

Bottom of Core

865.4

Top of Sand

846.0

Bottom of Sand

865.4

Total Feet of Permeable Sand

12.6

Distribution of Permeable Sand:
 Permeability Range
 Millidarcys

Feet

Cum. Ft.

0 - 10

6.0

6.0

20 - 30

2.8

8.8

40 - 65

1.9

10.7

90 - 98

1.9

12.6

Average Permeability Millidarcys

21.3

Average Percent Porosity

16.9

Average Percent Oil Saturation

44.6

Average Percent Water Saturation

39.2

Average Oil Content, Bbls./A. Ft.

641.

Total Oil Content, Bbls./Acre

11,224.

OILFIELD RESEARCH LABORATORIES

LOGName Siddeg Production, Ltd. Lease Finney C Well No. 2-3-03

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
846.0 - 851.4	Grayish brown shaly sandstone.
851.4 - 852.2	Brown shaly sandstone.
852.2 - 853.1	Grayish brown shaly sandstone.
853.1 - 854.0	Brown sandstone.
854.0 - 855.3	Gray very shaly sandstone containing a vertical fracture.
855.3 - 855.6	Brown sandstone.
855.6 - 856.2	Grayish brown shaly sandstone.
856.2 - 856.8	Brown sandstone.
856.8 - 858.6	Alternate layers of gray shale and brown sandstone.
858.6 - 860.0	Grayish black sandstone.
860.0 - 860.6	Grayish black slightly shaly sandstone.
860.6 - 863.0	Grayish black sandstone.
863.0 - 865.4	Grayish black slightly shaly sandstone with micaceous partings.

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Siddeg Production, Ltd.Lease Finney CWell No. 2-3-03

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	846.5	11.2	18	80	98	156	Imp.	1.0	1.0	156	0.00
2	847.6	11.2	20	77	97	174	Imp.	1.0	2.0	174	0.00
3	848.5	9.2	21	73	94	150	Imp.	1.0	3.0	150	0.00
4	849.4	10.5	25	70	95	204	Imp.	1.0	4.0	204	0.00
5	850.5	15.4	32	57	89	382	2.8	1.4	5.4	535	3.92
6	851.5	17.7	29	34	63	398	8.2	0.8	6.2	318	6.56
7	852.5	8.1	20	74	94	126	Imp.	0.9	7.1	113	0.00
8	853.5	19.3	64	18	82	958	97.	0.9	8.0	862	87.30
9	855.4	19.9	49	32	81	757	61.	0.3	8.3	227	18.30
10	856.5	20.0	55	26	81	853	52.	0.6	8.9	512	31.20
11	857.4	21.1	55	18	73	900	90.	1.0	9.9	900	90.00
12	858.5	22.2	49	18	67	844	9.2	0.8	10.7	675	7.36
13	859.5	20.5	66	15	81	1050	21.	1.4	12.1	1470	29.40
14	860.5	20.2	61	22	83	956	8.0	0.6	12.7	574	4.80
15	861.5	21.8	57	24	81	964	26.	1.4	14.1	1350	36.40
16	862.5	20.7	58	19	77	931	44.	1.0	15.1	931	44.00
17	863.5	19.5	73	19	92	1104	6.3	1.0	16.1	1104	6.30
18	864.5	17.5	51	24	75	692	5.6	1.4	17.5	969	7.84

Oilfield Research Laboratories

SUMMARY OF PERMEABILITY & SATURATION TESTS

TABLE III

Company Siddeg Production, Ltd. Lease Finney C Well No. 2-3-03

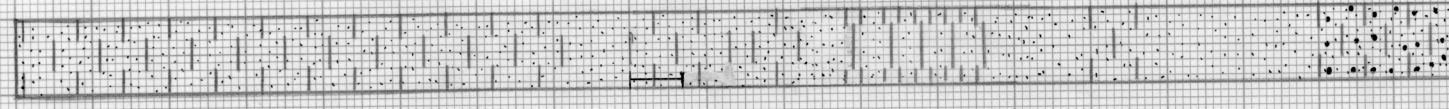
Depth Interval, Feet	Feet of Core Analyzed	Average Permeability, Millidarcys	Permeability Capacity Ft. x Md.
846.0 - 853.1	2.2	4.8	10.48
853.1 - 865.4	10.4	34.9	362.90
846.0 - 865.4	12.6	21.3	373.38

Depth Interval, Feet	Feet of Core Analyzed	Average Percent Porosity	Average Percent Oil Saturation	Average Percent Water Saturation	Average Oil Content Bbl./A. Ft.	Total Oil Content Bbls./Acre
846.0 - 853.1	7.1	12.0	23.9	66.7	232	1,650
853.1 - 865.4	10.4	20.2	58.7	20.5	921	9,574
846.0 - 865.4	17.5	16.9	44.6	39.2	641	11,224

PERMEABILITY, IN MILLIDARCYS

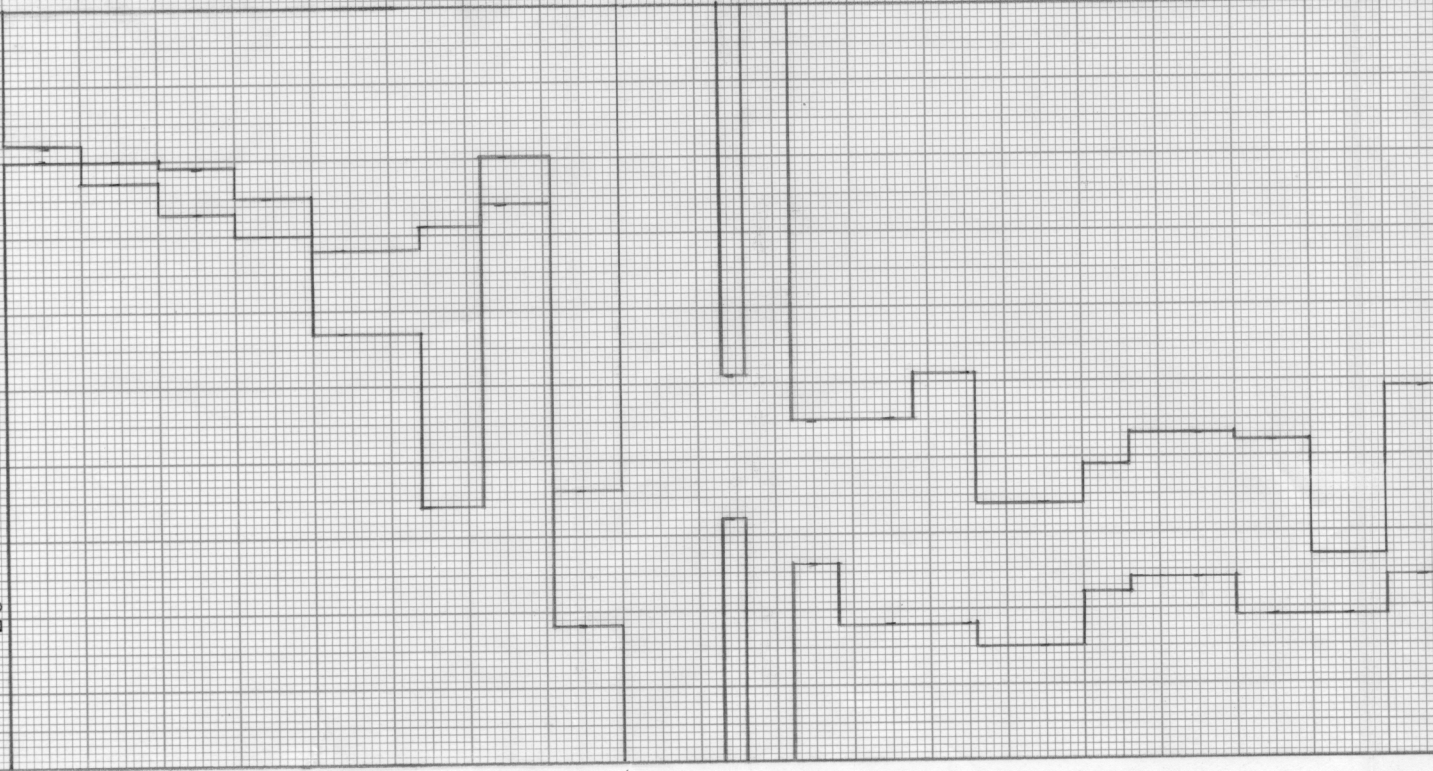
100
80
60
40
20

846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864



WATER SAT., PERCENT ←
OIL SAT., PERCENT →

90
80
70
60
50
40
30
20
10





KEY:



SANDSTONE



SHALY SANDSTONE



MICACEOUS SHALY SANDSTONE



ALTERNATE LAYERS OF SANDSTONE AND SHALE



FORMATION CONTAINING A VERTICAL FRACTURE

SIDDEG PRODUCTION, LTD.

FINNEY C LEASE

ALLEN COUNTY, KANSAS

WELL NO. 2-3-03

DEPTH INTERVAL, FEET	FEET OF CORE ANALYZED	AVERAGE PERCENT POROSITY	AVG. OIL SATURATION PERCENT	AVG. WATER SATURATION PERCENT	AVERAGE PERMEABILITY, MILLIDARCS
846.0 - 853.1	7.1	12.0	23.9	66.7	4.8
853.1 - 865.4	10.4	20.2	58.7	20.5	34.9
846.0 - 865.4	17.5	16.9	44.6	39.2	21.3

OILFIELD RESEARCH LABORATORIES
CHANUTE, KANSAS
NOVEMBER, 1981

PDC