



OILFIELD RESEARCH LABORATORIES

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

October 21, 1981

Biron, Inc.
Box 211
910 West Elm
Chanute, Kansas 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary cores taken from the Roebuck Lease, Well No. AX-16, located in Section 29, T-33S, R-10E, in Chautauqua County, Kansas.

The cores were sampled and sealed in plastic bags by a representative of the client and were submitted to our laboratory on October 14, 1981.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

Sanford A. Michel

SAM/kas

5 c to Chanute, Kansas

- REGISTERED ENGINEERS -

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

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LOGName Biron, Inc. Lease Roebuck Well No. AX-16

<u>Depth Interval, Feet</u>	<u>Description</u>
	<u>WAYSIDE AND PERU SANDS</u>
1553.0 - 1557.0	Gray shale.
1557.0 - 1560.0	Gray and brown laminated very shaly sandstone.
1560.0 - 1565.0	Grayish light brown shaly sandstone.
1565.0 - 1567.2	Grayish light brown sandstone.
1567.2 - 1574.2	Grayish light brown slightly shaly sandstone.
1574.2 - 1575.5	Light brown sandstone.
1575.5 - 1576.0	Grayish light brown shaly sandstone.
1576.0 - 1578.3	Grayish light brown sandstone.
1578.3 - 1579.3	Grayish light brown slightly shaly sandstone.
1579.3 - 1583.2	Grayish light brown sandstone.
1583.2 - 1591.3	Grayish light brown slightly shaly sandstone.
1591.3 - 1593.2	Grayish light brown sandstone.
1593.2 - 1593.6	Grayish light brown shaly sandstone.

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Biron, Inc. Lease Roebuck Well No. AX-16

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A Ft.	Perm., Mill.
			Oil	Water	Total		
1	1557.3	14.1	24	72	96	263	0.32
2	1558.5	14.3	19	74	93	211	0.19
3	1559.7	9.2	26	68	94	387	Imp.
4	1560.5	16.1	30	52	82	375	2.2
5	1561.6	15.0	24	55	79	279	2.5
6	1562.6	14.7	24	55	79	274	2.8
7	1563.4	15.2	14	58	72	165	1.8
8	1564.6	16.3	14	58	77	177	8.2
9	1565.3	17.1	14	55	69	186	10.
10	1566.5	16.0	19	55	74	236	10.
11	1567.4	14.7	12	63	75	137	4.5
12	1568.5	14.9	24	47	71	277	3.4
13	1569.4	14.9	17	52	69	197	4.2
14	1570.5	14.2	22	56	78	242	6.5
15	1571.6	14.4	24	50	74	268	4.2
16	1572.5	13.5	34	43	77	356	6.9
17	1573.6	16.1	25	50	75	312	8.7
18	1574.3	16.1	23	47	70	287	14.
19	1575.7	15.3	14	56	78	166	2.0
20	1576.5	15.8	34	16	50	417	15.
21	1577.5	16.0	29	44	73	360	18.
22	1578.7	13.2	27	55	82	277	4.5
23	1579.4	13.9	35	45	80	377	13.
24	1580.5	14.4	11	62	73	123	10.
25	1581.5	13.4	29	36	65	302	12.
26	1582.5	14.2	23	57	80	253	11.
27	1583.4	15.3	27	50	77	320	5.0
28	1584.4	15.2	29	47	76	342	8.0
29	1585.5	16.3	22	54	76	278	6.9
30	1586.4	16.2	33	54	87	415	8.9
31	1587.6	15.1	22	56	78	258	7.5
32	1588.3	14.8	26	55	81	299	4.0
33	1589.4	15.1	28	50	78	328	5.0
34	1590.5	14.0	24	65	89	261	2.3
35	1591.5	12.0	23	47	70	303	12.
36	1592.5	14.8	19	57	76	218	10.
37	1593.4	15.5	26	50	76	313	4.3