



# OILFIELD RESEARCH LABORATORIES

P. O. BOX 647 - CHANUTE, KANSAS 66720 - PHONE (316) 431-2650

January 13, 1986

Eagle Resources, Inc.  
Route #3, Box 13  
Chanute, Kansas 66720

Gentlemen:

Attached hereto are the results of tests run on the rotary core taken from the Snell Lease, Well No. 1, located in Section 9, T-34S, R-11E, Chautauqua County, Kansas.

The core was sampled and sealed in plastic bags by a representative of the client and submitted to our laboratory on January 8, 1986.

Your business is greatly appreciated.

Very truly yours,

OILFIELD RESEARCH LABORATORIES

*Alan M. Dunning*

Alan M. Dunning

AMD/rmc

5 c to Chanute, Kansas

34S-11E-9

LOG

Company Eagle Resources, Inc. Lease Snell Well No. 1

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
	<u>PERU SANDSTONE</u>
1337.0 - 1338.0	Sandstone, gray, very shaly.
1338.0 - 1347.4	Sandstone, grayish light brown, shaly.
1347.4 - 1348.0	Sandstone, light brown, shaly.
1348.0 - 1354.2	Sandstone, light brown.
1354.2 - 1355.0	Sandstone, grayish brown, shaly, (slightly salt and pepper).
1355.0 - 1356.2	Sandstone, grayish brown, (slightly salt and pepper).

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RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1

Company Eagle Resources, Inc. Lease Snell Well No. 1

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation			Oil Content Bbls. / A. Ft.	Permeability, Millidarcys
			Oil	Water	Total		
1	1337.7	14.2	2	78	80	22	0.17
2	1338.5	18.0	14	53	67	196	4.3
3	1339.5	18.8	15	52	67	219	6.4
4	1340.5	16.4	13	54	67	165	2.3
5	1341.5	16.8	17	56	73	222	2.4
6	1342.3	16.5	14	61	75	179	1.1
7	1343.8	16.9	7	62	69	92	1.2
8	1344.5	17.2	10	57	67	133	2.3
9	1345.4	18.6	16	48	64	231	8.0
10	1346.5	15.2	10	65	75	118	0.98
11	1347.5	17.6	14	53	67	191	5.4
12	1348.5	17.8	14	52	66	193	10.
13	1349.5	16.7	27	49	76	350	7.5
14	1350.5	18.0	24	48	72	335	19.
15	1351.5	17.9	23	46	69	319	19.
16	1352.5	16.0	21	52	73	261	8.7
17	1353.5	18.6	27	37	64	390	20.
18	1354.5	13.4	22	54	76	229	1.7
19	1355.5	15.5	26	51	77	313	7.4

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**RESULTS OF LABORATORY FLOODING TESTS**

**TABLE IV**

Company Eagle Resources, Inc. Lease Snell Well No. 1

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.			
13	1349.5	17.1	27	358	10	133	17	76	225	100	1.65	30
14	1350.5	17.5	24	326	7	95	17	78	231	86	0.97	30
16	1352.5	16.3	21	266	4	51	17	74	215	42	0.56	30
17	1353.5	18.1	27	379	7	98	20	66	281	52	0.60	30
19	1355.5	15.2	26	307	7	83	19	67	224	14	0.17	40

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.