

June 9, 2000

Phoenix Kansas Energy, LLC
536 N. Highland
Chanute, KS 66720

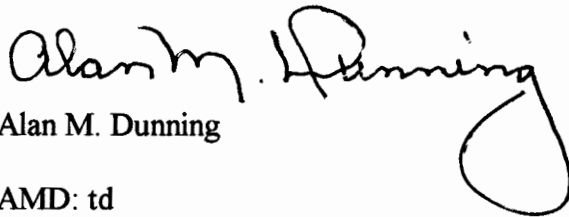
Gentlemen:

Attached hereto are the results of testing the rotary core taken from the Alexander A Lease, Well No. PW-5, located 1980' FSL and 2640' FEL, Section 35, T23S, R16E, Woodson County, Kansas.

The core was sampled by a representative of the client and submitted to our laboratory on May 26, 2000.

Your business is greatly appreciated.

OILFIELD RESEARCH LABORATORIES


Alan M. Dunning

AMD: td

1 c: John Bumgardner
1 c: Paul Beck

LOG

Company Phoenix Kansas Energy, LLC Lease Alexander A Well No. PW-5

Squirrel Sandstone

<u>Depth Interval,</u> <u>Feet</u>	<u>Description</u>
989.0 – 989.2	Limestone, gray, shaly, fossiliferous.
989.2 – 989.7	Shale, gray, with scattered brown, sandstone streaks and inclusions.
989.7 – 990.2	Sandstone, grayish brown, shaly with scattered shale and mica partings.
990.2 – 991.1	Sandstone, brown, with widely scattered shale and mica partings.
991.1 – 993.0	Sandstone, brown.
993.0 – 994.2	Sandstone, brown, with widely scattered shale and mica partings and inclusions.
994.2 – 997.0	Sandstone, brown, with scattered shale and mica partings.
997.0 – 997.5	Sandstone and shale, brown and gray, laminated.
997.5 – 998.5	Sandstone, grayish brown, shaly, with scattered shale and mica partings.
998.5 – 999.1	Shale, gray, with scattered brown, sandstone partings and inclusions.
999.1 – 1000.1	Sandstone, grayish brown, shaly, with scattered shale and mica partings.
1000.1 – 1002.4	Shale, gray.
1002.4 – 1002.7	Shale, gray, with widely scattered brown, sandstone streaks.
1002.7 – 1003.6	Shale, gray.

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RESULTS OF SATURATION & PERMEABILITY TESTS

Company: **PHOENIX KANSAS ENERGY, LLC** Lease: **Alexander A** Well No. **PW-5**

Sample No.	Depth, Feet	Porosity, Percent	Percent Saturation		Oil Content Bbls. / A.Ft.	Perm., Md.	Feet of Sand		Total Oil Content	Permeability Ft. X Md.
			Oil	Water			Ft.	Cum.Ft.		
1	990.6	17.3	63	25	88	7.7	0.9	0.9	761	6.93
2	991.5	19.9	50	29	79	76.	0.9	1.8	695	68.40
3	992.5	22.0	56	13	69	170.	1.0	2.8	956	170.00
4	993.5	20.5	56	28	84	53.	1.2	4.0	1069	63.60
5	994.5	16.0	54	27	81	18.	0.8	4.8	536	14.40
6	995.6	17.5	45	35	80	16.	1.0	5.8	611	16.00
7	996.5	16.3	62	30	92	11.	1.0	6.8	784	11.00
8	997.6	15.6	49	39	88	2.0	0.5	7.3	297	1.00
9	998.4	15.2	65	32	97	3.4	0.5	7.8	383	1.70
10	999.5	17.5	45	40	85	1.3	1.0	8.8	611	1.30

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RESULTS OF LABORATORY FLOODING TESTS

Company: **PHOENIX KANSAS ENERGY, LLC** Lease: **Alexander A** Well No. **PW-5**

Sample No.	Depth Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Effective Permeability Millidarcys*
			%	Bbls / A.Ft.	%	Bbls / A.Ft.	% Oil	% Water	Bbls / A.Ft.	
1	990.6	17.6	63	860	17	232	46	52	628	1.53
2	991.5	20.2	50	784	5	78	45	53	706	14.82
3	992.5	21.9	56	951	12	204	44	52	747	19.42
4	993.5	20.9	56	908	12	195	44	53	713	8.60
5	994.5	15.8	54	662	0	0	54	28	662	Imp.
6	995.6	17.8	45	621	2	28	43	54	593	1.13
7	996.5	16.6	62	798	11	142	51	47	656	1.40
8	997.6	15.6	49	593	0	0	49	40	593	Imp.
9	998.4	15.4	65	777	0	0	65	32	777	0.13
10	999.5	17.4	45	607	0	0	45	40	607	Imp.

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