

April 17, 2000

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

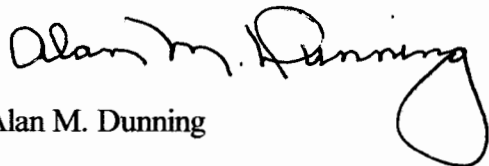
Gentlemen:

Attached hereto are the results of testing the rotary core taken from the Alexander B Lease, Well No. PW-8, located 2970' NSL and 2970' WEL, Section 35, T23S, R16E, Woodson County, Kansas.

The core was sampled by a representative of the client and submitted to our laboratory on March 17, 2000.

Your business is greatly appreciated.

OILFIELD RESEARCH LABORATORIES

Handwritten signature of Alan M. Dunning in cursive script.

Alan M. Dunning

AMD: td

1 c: John Bumgardner
1 c: Paul Beck

LOG

Company Phoenix Kansas Energy, LLC Lease Alexander B Well No. PW-8

Squirrel Sandstone

<u>Depth Interval, Feet</u>	<u>Description</u>
980.0 – 980.3	Shale, gray.
980.3 – 980.6	Limestone, gray, shaly, fossiliferous, with scattered shale streaks.
980.6 – 980.9	Limestone, light gray, fossiliferous, with scattered shale inclusions and streaks.
980.9 – 981.2	Shale, gray.
981.2 – 982.4	Sandstone, grayish brown, very shaly, with scattered shale and mica partings.
982.4 – 985.0	Sandstone, dark brown, with scattered shale and mica partings and inclusions.
985.0 – 986.4	Shale, gray, with widely scattered brown, sandstone partings and streaks.
986.4 – 987.0	Sandstone, brown, with scattered shale and mica partings.
987.0 – 990.0	Sandstone and shale, brown and gray, laminated.
990.0 – 991.4	Shale, gray, with widely scattered brown, sandstone partings and containing a healed vertical fracture.
991.4 – 991.9	Shale, gray.
991.9 – 993.0	Shale, gray, with widely scattered light brown, sandstone partings and inclusions.

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RESULTS OF SATURATION & PERMEABILITY TESTS

Company: **PHOENIX KANSAS ENERGY, LLC** Lease: **Alexander B** Well No. **PW-8**

Sample No.	Depth, Feet	Porosity, Percent	Percent Saturation			Oil Content Bbls. / A.Ft.	Perm., Md.	Feet of Sand		Total Oil Content	Permeability Capacity Ft. X Md.
			Oil	Water	Total			Ft.	Cum.Ft.		
1	981.5	16.8	49	39	88	639	2.8	1.2	1.2	767	3.36
2	982.5	22.0	53	20	73	905	91.	0.9	2.1	815	81.90
3	983.4	21.6	50	21	71	838	70.	0.9	3.0	754	63.00
4	984.5	19.0	57	27	84	840	30.	0.8	3.8	672	24.00
5	986.5	18.3	48	33	81	681	27.	0.6	4.4	409	16.40
6	987.5	15.8	32	50	82	392	3.7	1.0	5.4	392	3.70
7	988.5	18.2	36	39	75	508	10.	1.0	6.4	508	10.00
8	989.5	16.1	48	36	84	600	1.	1.0	7.4	600	1.00

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RESULTS OF LABORATORY FLOODING TESTS

Company: **PHOENIX KANSAS ENERGY, LLC** Lease: **Alexander B** Well No. **PW-8**

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	981.5	16.7	49	635	0	0	49	39	635	Imp.
2	982.5	21.8	53	897	5	85	48	50	812	3.24
3	983.5	21.6	50	838	-	-	-	-	-	-
4	984.4	19.3	57	853	11	165	46	50	688	1.07
5	986.5	18.3	48	681	-	-	-	-	-	-
6	987.5	15.8	32	392	0	0	32	50	392	Imp.
7	988.5	18.2	36	508	-	-	-	-	-	-
8	989.5	16.1	48	600	0	0	48	36	600	Imp.

* Determined by passing water through sample which still contains residual oil. Samples 3,5, and 7 unobtainable.