

January 17, 2000

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

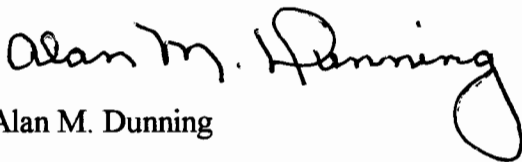
Gentlemen:

Attached hereto are the results of testing the rotary core taken from the Alexander B Lease, Well No.PW-30, located 3630' 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 December 27, 1999.

Your business is greatly appreciated.

OILFIELD RESEARCH LABORATORIES

A handwritten signature in black ink that reads "Alan M. Dunning". The signature is fluid and cursive, with a large loop at the end of the last name.

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-30.

Upper Squirrel

<u>Depth Interval, Feet</u>	<u>Description</u>
960.0 - 962.0	Sandstone, grayish brown, very shaly, with scattered large shale partings.
962.0 - 962.3	Shale, gray, with scattered brown, sandstone partings.
962.3 - 963.3	Sandstone and shale, brown and gray, alternate layers.
963.3 - 966.0	Sandstone, grayish brown, shaly, with scattered shale partings.
966.0 - 967.8	Shale, gray, with widely scattered brown, sandstone partings.
967.8 - 975.0	Shale, gray.

Lower Squirrel

999.0 - 1000.5	Shale, gray, with widely scattered brown, sandstone partings.
1000.5 - 1001.7	Sandstone, brown, with scattered shale and mica partings.
1001.7 - 1002.4	Shale, gray, with scattered brown, sandstone partings and inclusions.
1002.4 - 1003.0	Sandstone, grayish brown, shaly, with scattered shale and mica partings.
1003.0 - 1003.2	Shale, gray, with scattered brown, sandstone inclusions.
1003.2 - 1003.7	Sandstone, dark brown, with scattered mica partings.
1003.7 - 1004.4	Shale, gray, with scattered brown, sandstone partings and inclusions.
1004.4 - 1005.8	Sandstone, grayish brown, shaly, with scattered shale and mica partings.
1005.8 - 1006.4	Shale, gray, with scattered light brown, sandstone partings and streaks.
1006.4 - 1007.0	Sandstone, grayish brown, shaly, with scattered shale and mica partings.

Company Phoenix Kansas Energy, LLC. Lease Alexander "B" Well No. PW – 30.

LOG (Page 2) Lower Squirrel Continued

<u>Depth Interval, Feet</u>	<u>Description</u>
1007.0 – 1007.9	Shale, gray, with scattered brown, sandstone partings and streaks.
1007.9 – 1008.9	Sandstone, grayish brown, very shaly, slightly carbonaceous.
1008.9 – 1011.4	Sandstone, grayish black, very shaly, carbonaceous, with scattered shale and mica partings and streaks.
1011.4 – 1012.8	Sandstone, grayish brown, very shaly.
1012.8 – 1017.0	Shale, gray.

OILFIELD RESEARCH LABORATORIES

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Phoenix Kansas Energy, LLC

Lease Alexander B

Well No. PW-30

Sample No.	Depth, Feet	Porosity Percent	Percent Saturation		Oil Content Bbls/AF	Perm., md.	Feet of Sand		Total Oil Content	Perm. Capacity Ft X md
			Oil	Water			Ft.	Cum. Ft.		
1	960.5	15.0	40	41	81	Upper Squirrel 465	1.0	1.0	465	1.00
2	961.5	15.8	42	39	81	515	1.0	2.0	515	2.30
3	962.6	14.7	39	42	81	445	1.0	3.0	445	0.59
4	963.5	16.0	38	47	85	472	0.7	3.7	330	1.82
5	964.5	18.2	45	34	79	635	1.0	4.7	635	2.00
6	965.7	16.9	52	19	71	682	1.0	5.7	682	7.70
7	1000.6	18.0	49	24	73	LOWER Squirrel 684	0.5	0.5	342	10.00
8	1001.3	17.7	52	30	82	714	0.7	1.2	500	15.40
9	1002.6	17.4	63	26	89	850	0.6	1.8	510	0.84
10	1003.5	21.8	46	25	71	778	0.5	2.3	389	17.50
11	1004.5	14.9	58	23	81	670	0.6	2.9	402	3.30
12	1005.5	18.2	67	24	91	946	0.8	3.7	757	1.12
13	1006.7	17.1	56	35	91	743	0.6	4.3	446	1.56
14	1008.5	15.2	60	28	88	708	1.0	5.3	708	0.00
15	1009.5	16.7	62	21	83	803	1.1	6.4	883	0.52
16	1010.5	15.9	49	24	73	604	1.4	7.8	846	0.39
17	1012.5	14.2	43	30	73	474	1.4	9.2	664	0.00

Oilfield Research Laboratories

Results of Laboratory Flooding Tests

Company Phoenix Kansas Energy, LLC Lease Alexander B Well No. PW-30

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation		Effective Permeability Millidarcys*	Initial Fluid Production Pressur P.S.I.
			%	Barrels Ac./Ft.	%	Barrels Per Acre Ft.	% Oil	% Water	Barrels Per Ac./Ft.	
1	960.5	15.0	40	465	Upper Squirrel		40	41	Imp.	-
2	961.5	15.5	42	505	0	0	42	39	Imp.	-
3	962.6	14.9	39	451	0	0	39	42	Imp.	-
4	963.5	16.0	38	472	0	0	38	48	Imp.	-
5	964.5	18.1	45	632	0	0	45	35	Imp.	-
6	965.7	16.9	52	682	0	0	52	19	Imp.	-
7	1000.6	18.4	49	699	Lower Squirrel		43	55	3.13	15
8	1001.3	17.9	52	722	6	86	48	49	1.13	25
9	1002.6	17.4	63	850	4	56	63	26	Imp.	-
10	1003.5	-	-	-	0	0	-	-	-	-
11	1004.5	-	-	-	-	-	-	-	-	-
12	1005.5	18.0	67	936	0	0	67	25	Imp.	-
13	1006.7	17.1	56	743	0	0	56	35	Imp.	-
14	1008.5	15.0	60	698	0	0	60	28	Imp.	-
15	1009.5	16.7	62	803	0	0	62	21	Imp.	-
16	1010.5	15.6	49	593	0	0	49	25	Imp.	-
17	1012.5	14.4	43	480	0	0	43	31	Imp.	-
NOTE:		Samples 10 and 11 unobtainable								

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