December 2, 1999

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. PO-14, located 2640'NSL & 4290'WEL, Section 35, T23S, R16E, Woodson County, Kansas.

The core was sampled by a representative of the client and submitted to our laboratory on October 26, 1999.

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 "B" Well No. PO – 14

Squirrel Sandstone

Depth Interval, Feet	Description
1000.0 – 1000.3	Sandstone, light grayish brown, very shaly.
1000.3 – 1001.5	Sandstone, brown, with scattered shale and mica partings.
1001.5 – 1002.0	Sandstone, light grayish brown, very shaly, with scattered shale and mica partings.
1002.0 – 1003.0	Sandstone, brown, with scattered shale and mica partings.
1003.0 – 1003.9	Sandstone, light grayish brown, very shaly, with scattered shale and mica partings.
1003.9 – 1004.3	Sandstone and shale, light brown and gray, laminated.
1004.3 – 1007.0	Shale, gray, with widely scattered light brown, and dark brown, sandstone partings and streaks.
1007.0 – 1009.0	Shale, gray.
1009.0 – 1010.1	Shale, gray, with widely scattered light brown, sandstone partings.
1010.1 – 1010.6	Sandstone, grayish, brown, shaly, with scattered shale and mica partings.
1010.6 – 1014.8	Shale, gray.

OILFIELD RESEARCH LABORATORIES

RESULTS OF SATURATION & PERMEABILITY TESTS

TABLE 1-B

Company Phoenix Kansas Energy, LLC Lease Alexander"B" Well No. PO-14

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	Total			Ft.	Cum. Ft.		
1	1000.5	18.6	42	24	66	606	12.	0.6	0.6	364	7.20
2	1001.4	20.7	42	22	64	674	21.	0.6	1.2	404	12.60
3	1002.4	20.1	41	21	62	639	31.	1.0	2.2	639	31.00
4	1003.5	15.0	34	46	80	396	1.8	0.9	3.1	356	1.62
5	1010.5	13.5	48	36	84	503	5.7	0.5	3.6	252	2.85

Oilfield Research Laboratories

Results of Laboratory Flooding Tests

Company Phoenix Kansas Energy, LLC Lease Alexander "B" Well No. PO-14

Sample No.	Depth, Feet	Effective Porosity Percent	Original Oil Saturation		Oil Recovery		Residual Saturation			Effective Permeability Millidarcys*	Initial Fluid Production Pressuri P.S.I.
			%	Barrels Ac./Ft.	%	Barrels Per Acre Ft.	% Oil	% Water	Barrels Per Ac./Ft.		
1	1000.5	18.2	42	593	2	28	40	54	565	0.13	50
2	1001.4	20.8	42	678	4	65	38	60	613	0.47	30
3	1002.4	19.7	41	627	3	46	38	58	581	0.82	30
4	1003.5	14.8	34	390	0	0	34	46	390	Imp.	-
5	1010.5	13.5	48	503	0	0	48	36	503	Imp.	-

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