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KCC WICHITA

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July 21, 2001

**Peak Energy LLC**  
P O Box 783  
Coffeyville KS 67337

**Re: Peak Energy # P-1 Birdzell**  
NE SE SE  
Section 32 Twp 33s Rge 4e  
Cowley County, KS

Gentlemen:

The # P-1 Birdzell was under my Geological Supervision from a depth of 450 feet to 2140 feet which was total depth. The subject well was drilled with drilling fluid, mud was furnished by Fud Mud, Inc. Eldorado Ks. Drilling contractor was McGown Drilling Inc., Mound City Ks. Drilling operations were commenced 6-15-01, Electric logging was completed 6-22-01.

Good shows of Gas were encountered in the Red Eagle Lime at a depth of 550' & a lower Douglas sand (Stranger formation) at a depth of 1932 ft. Casing was run for completion 6-23-01.

**FORMATION TOPS**

All measurements from ground level  
Elevation: 1230 EST ground  
Electric log measurements

NEVA LIME	521	+709
RED EAGLE LIME	550	+680
ADMIRE GROUP	720	+510
HOWARD LIME	1225	-05
SEVERY ZONE	1326	-96
TOPEKA LIME	1380	-150
HEEBNER SHALE	1777	-547
IRELAND SAND	1808	-578
DOUGLAS SAND	1932	-702
HASKELL LIME	1940	-710
IATAN LIME	2076	-846
STALNAKER SAND	2106	-876

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SAMPLE DESCRIPTIONS  
ZONES OF INTEREST  
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**RED EAGLE LIME**                    550' - 554':    Lime, light tan, fossiliferous, good vuggy porosity, light stain. Electric log calculates 20% porosity, 27% water saturation.

**ADMIRE SAND**                    750' - 758':    Sand, green, gray, fine grained, friable. Electric log calculates 19% porosity, 51% water saturation.

**IRELAND SAND**                    1808' - 1812': Sand, white, shly, Electric log calculates 12% porosity, 95% water saturation.

**LOWER DOUGLAS SAND**    1936' - 1940': Sand, tan, fine grained, friable, stained. Electric log calculates 23% porosity, 32% water saturation.

The subject well was logged and perforated with four 3 1/8 slick gun shots from 1936' to 1938' and completed as a commercial gas well July 10, 2001.

Respectfully submitted,

  
James R. Craig