

# GEOLOGICAL SUMMARY

**KCC**  
JUL 13 2006  
**CONFIDENTIAL**

Arena Resources, Inc.

Nichols #1-32

1320' FWL, 1320' FNL Sec 32-T27S-R30W

Gray County, Kansas

API #15-069-20289

Elevations: G.L.- 2824', K.B.- 2830' (reference datum)

The following formation depths were determined from cased-hole electric logs, and the sub-sea datums are referenced to the KB elevation of 2830':

<u>Formation</u>	<u>Log Depth</u>	<u>Datum +/- to Schmidt #1-30</u>	
T/Blaine	1110'	+1720'	+19'
T/Cedar Hills	1316'	+1514	+8'
B/Stone Corral	1850'	+ 980'	+17'
T/Hollenberg	2633'	+ 197'	+0'
T/Herington	2667'	+ 163'	-4'
T/Krider	2694'	+ 136'	-1'
T/Odell	2722'	+ 108'	-7'
Total Depth	2736'	+ 94'	

The sub-sea datums are also compared to datums from the Arena Resources-Schmidt #1-30 well located in the SW NW NE sec 30-T27S-R30W.

The Herington-Krider interval consists primarily of tan to light gray, finely crystalline to sucrosic, slightly argillaceous and silty dolomite, with intercrystalline to vuggy porosity. The Odell Shale from consists of light gray, silty, slightly calcareous to dolomitic shale and siltstone. Recommended perforations are the upper Herington from 2673'-2679', and the Krider interval from 2696'-2704'.

Ron Osterbuhr  
06/2006

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