

DUANE STECKLEIN

**PETROLEUM GEOLOGIST —
579 280TH AVE.
HAYS, KANSAS 67601
785-432-2477**

GEOLOGICAL REPORT

**Habit Petroleum, LLC
Bartos #11
990' FNL & 1360' FWL
SEC. 10 TWP. 10s RGE. 21w
Graham County, Kansas**

**COMMENCED: 4/5/10
COMPLETED: 4/10/10
CONTRACTOR: American Eagle Drilling
SURFACE PIPE: 8 ½ at 247'
PRODUCTION PIPE: 5 ½ at 3898'**

May 8, 2010

**RECEIVED
DEC 29 2010
KCC WICHITA**

Formation Data

Elevation: (2266' G.L.) – (2273' K.B.)
All top formations measured from 2273 K.B.

<u>FORMATION</u>	<u>LOG TOPS</u>	<u>SEA-LEVEL DATUM</u>
Topeka	3264	-991
Heebner	3468	-1194
Toronto	3490	-1217
Lansing-K.C.	3506	-1233
Base-K.C.	3733	-1460
Cherty Conglomerate	3794	-1521
Simpson Sand	3820	-1547
Arbuckle	3832	-1559

All samples were examined and described by me on actual location and did not start until a depth of 3650' was reached. All zones and sample tops examined are all true and accurate according to drillers' depth.

One foot drilling time was logged from a depth of 3700' to 3900', and all zones were examined by five foot samples at a rotary depth of 3650' to 3900'.

RECEIVED
DEC 29 2010
KCC WICHITA

Sample Description

Following are the pertinent geological formations and all zones of subject well Bartos #11.

THE FOLLOWING ZONES WERE NOTED:

LANSING – K.C.

(H-Zone)	3644-3646	Limestone – tan to cream, fine crystalline to dense, poor inter porosity with a show of oil stain to free oil when broken, no odor.
(I-Zone)	3665-3670	Limestone – white to cream, dense lime, poor to no inter porosity, no show of oil.
(J-Zone)	3686-3688	Limestone – same as above.
(K-Zone)	3710-3714	Limestone – white, fine to medium crystalline, show of vuggy porosity with a show of oil stain, no odor, fair inter porosity.

CHERTY CONGLOMERATE

3794-3820	Chert – multicolored, show of black residual stain, poor to no inter porosity.
-----------	--

SAND	3823-3828	Sand – translucent and clear, subrounded, friable, show of free oil.
------	-----------	--

ARBUCKLE	3832-3839	Dolomite – cream, medium to coarse crystalline with vugs in part, fair inter porosity with a show of oil stain to free oil, fair odor.
----------	-----------	--

3844-3848	Dolomite – same as above (looks like it could carry more water).
-----------	--

3857-3860	Dolomite – white and scattered pink dolomite, scattered show of oil stain, fine to medium crystalline, poor inter porosity, slight odor, (watered out).
-----------	---

RECEIVED

DEC 29 2010

KCC WICHITA

3861-3878 Dolomite – white, cream, and pink, dense,
poor to no inter porosity, very slight show of
oil stain.

3880-3900 Dolomite – same as above (barren).

Remarks and Conclusion

The Bartos #1 was drilled by Heartland Enterprizes in 1983 as a dry hole. Habit petroleum washed down the Bartos #1 and drilled out of the original hole around 1,000 ft. deep and made new hole and called it the Bartos #11. The operator of Habit Petroleum drilled deeper into the Arbuckle formation and set 5 ½ casing to further test the well.

Respectfully submitted,

Duane Stecklein, Geologist

RECEIVED
DEC 29 2010
KCC WICHITA