31-13s-17w

SE SW NE

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GEOLOGICAL REPORT

Hertel Oil Company, LLC
Wiesner #5
E/2 – SW – NE -15' S + 95' E
SEC. 31 TWP. 13s RGE. 17w
Ellis County, Kansas

COMMENCED: 1/2306
COMPLETED: 1/28/06
CONTRACTOR: Vonfeldt Drilling Inc.
SURFACE PIPE: 8 ⅝ at 205'

15-051-25491-00-00

February 15, 2006

Formation Data

Elevation: (2033 G.L.) – (2038 K.B.)
All top formations measured from 2038 K.B.

FORMATION	SAMPLE TOPS	SEA-LEVEL DATUM
Anhydrite	1262	+ 776
Base Anhydrite	1302	+ 736
Topeka	3013	- 975
Heebner	3282	-1244
Toronto	3302	-1264
Lansing-K.C.	3325	-1287
Base-K.C.	3554	-1516
Cherty Conglomerate	3569	-1531
R.T.D.	3605	-1567

All samples were examined and described by me on actual location and did not start until a depth of 3060' 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 3000' to 3605', and all zones were examined by ten foot samples at a rotary depth of 3050' to 3300'. Five foot samples were examined from a rotary depth of 3305' to 3605'.

Sample Description

Following are the pertinent geological formations and all zones of subject well Wiesner #5.

THE FOLLOWING ZONES WERE NOTED:

TOPEKA	3030-3040	Limestone – tan and brown, fine crystalline to very tight, no inter porosity, show of fossiliferous lime. No show of oil or odor.
	3042-3062	Limestone – buff, tan and gray, fine crystalline to very dense lime, poor to no inter porosity. No show of oil or odor..
	3063-3072	Limestone – buff to tan, fine crystalline, poor inter porosity. No show of oil or odor.
DEERCREEK	3088-3096	Limestone – buff and gray, fine crystalline to dense lime, poor inter porosity. No show of oil or odor.
	3100-3118	Limestone – tan, fine tight crystalline, poor inter porosity. No show of oil or odor.
	3120-3138	Limestone – buff and gray fine tight crystalline, poor inter porosity. No show of oil or odor.
LECOMPTON	3150-3165	Limestone – buff and light gray, fine tight crystalline poor inter porosity. No show of oil or odor.
	3169-3181	Limestone – off white to cream, fine crystalline to chalky in part, poor inter porosity. No show of oil or odor.
OREAD	3210-3242	Limestone – off white to cream, fine crystalline to dense lime, cherty in part, poorly developed. No show of oil or odor.
	3245-3255	Limestone – same as above.

	3257-3262	Limestone – buff to tan, dense to a fine crystalline in part, poor to fair inter porosity, with a very scattered show of oil stain to free oil in pinpoint. No odor noted.
	3263-3280	Limestone – same as above.
TORONTO	3302-3306	Limestone – buff to cream, fine crystalline to dense lime, poor inter porosity, slight show of saturated stain to free oil in part. No odor noted.
	3307-3311	Limestone – same as above.
LANSING – K.C.		
(A-Zone)	3326-3335	Limestone – buff to off white, very fine crystalline, to dense, very poor inter porosity, slight show of oil stain. No odor noted; chalky in part
(C-Zone)	3353-3359	Limestone – buff to cream, dense to very fine crystalline, with a poor inter porosity, small show of oil stain to a pinpoint show of free oil, in oolitic lime. No odor noted.
	3362-3366	Limestone – cream to off white, fine crystalline, with a poor to fair inter porosity, slight show of oil stain and saturated. No odor noted; show of free oil in pinpoint.
(D-Zone)	3374-3379	Limestone – same as above with chalky scattered sucrosic crystalline.
	3380-3390	Limestone – off white, dense and chalky. No show of oil or odor.
(E-Zone)	3400-3403	Limestone – same as above.
(F-Zone)	3405-3411	Limestone – buff to off white, fine to medium crystalline, poor to fair inter porosity, scattered show of oil stain. No free oil or odor; chalky in part.

(G-Zone)	3421-3425	Limestone – same as above with some oolits, free oil in pinpoint.
(H-Zone)	3470-3480	Limestone – cream, fine crystalline to dense lime, chalky, very small show of oil stain, poor inter porosity to a show of oolicastic. No odor; cherty.
(I-Zone)	3492-3497	Limestone – cream, very dense and cherty, no visible porosity. No show of oil or odor.
(J-Zone)	3510-3515	Limestone – cream to buff, dense and cherty, very scattered show of oolicatic porosity with a show of oil stain and free oil in pinpoint. Slight odor when broken.
(K-Zone)	3530-3535	Limestone – buff to off white, very dense lime, poor to no visible porosity. No show of oil or odor.
BASE - K.C.		
(L-Zone)	3550-3554	Limestone – same as above.
CHERTY CONGLOMERATE		
(30 & 60 min. circulation)	3569-3585	Chert – white. Scattered sand, very tight, show of friable sand with a saturated stain, to a show of free oil in pinpoint, show of black residual stain. No odor.
	3586-3590	Chert – tan and white, very scattered black residual stain. No odor (shaly) red and gray.
	3591-3605	Same as above.

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Remarks and Conclusion

During the drilling of the Wiesner #5 the subject well ran 1' low in the Lansing –Kansas City to the Wiesner #2 and 11' low to the Wiesner #4. The Arbuckle Dolomite did not develop in the Wiesner #5 and as a result the Conglomerate developed into a chert eliminating possible productive reservoir. It was recommended by the operator of Hertel Oil Company to plug and abandoned subject well Wiesner #5 as a dry hole.

Respectfully submitted,

Duane Stecklein

Duane Stecklein, Geologist