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ORIGINAL

RECEIVED
AUG 1 1 2003
KCC WICHITA

Hupfer Operating Inc.
Silica #2
C-S/2-SW; Section 32-19s-10w
Rice County, Kansas

5 ½" Production Casing Set

Contractor: Sterling Drilling Company (Rig #1)

Commenced: May 19, 2003

Completed: May 25, 2003

Elevation: 1811' K.B.; 1809' D.F.; 1802' G. L.

Casing Program: Surface; 8 5/8" @ 252'
Production; 5 1/2" @ 3300 ft.

Samples: Samples saved and examined 1400 ft. to the Rotary Total Depth.

Drilling Time: One (1) foot drilling time recorded and kept 1400 ft. to the Rotary Total Depth.

Measurements: All depths measured from the Kelly Bushing.

Formation Testing: There were two (2) Drill Stem Test ran by Arrow Testers.

Electric Log: By Log Tech; Radiation Guard Log.

Formation	Log Depth	Sub-Sea Datum
Herington	1437	+374
Krider	1447	+364
Winfield	1486	+325
Towanda	1554	+257
Ft. Riley	1590	+221
Base Florence	1698	+113
Council Grove	1766	+45
Grand Haven	2224	-413
Tarkio Lime	2306	-495
Elmont	2370	-559
Howard	2524	-713
Severy	2581	-770
Topeka	2624	-813
Heebner	2888	-1077
Toronto	2910	-1099
Douglas	2920	-1109
Brown Lime	3009	-1198
Lansing	3037	-1226
Base Kansas City	3274	-1463
Arbuckle	3299	-1488
Rotary Total Depth	3303	-1492
Log Total Depth	3303	-1492

(All tops and zones are corrected to Electric Log measurements.)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

HERINGTON THRU INDIAN CAVE SECTIONS

1437-2180' There were several well developed zones of porosity encountered in the drilling of the Herington thru Tarkio Sections. But no shows of oil and/or gas was noted (see sample log).

2ND TARKIO SAND SECTION

2251-2263' Sand; gray and grayish, very fine grained, sub rounded, sub angular, few friable, micaceous, fair intergranular porosity, trace gas bubbles.

3RD TARKIO SAND SECTION

2235-2260' Sand; gray, very fine grained, micaceous, glauconitic, shaley, poor visible porosity, no shows.

TOPEKA SECTION

2798-2802' Limestone; tan, fossiliferous, granular in part, spotty light brown stain, chalky, scattered pinpoint porosity, trace gray chert.

2840-2850' Limestone; tan, slightly fossiliferous, granular, chalky, poor spotty stain, trace of free oil and no odor in fresh samples.

TORONTO SECTION

2910-2921' Limestone; white and cream, slightly fossiliferous, fine to medium crystalline, chalky, trace black stain, no show of free oil or odor in fresh samples.

DOUGLAS SECTION

2933-2944' Sand; gray to white, very fine grained, sub rounded to sub angular, friable, good sorting, calcareous in part, good intergranular porosity, good dark brown to black stain, show of free oil and good odor in fresh samples.

LANSING SECTION

3043-3048' Limestone; tan and brown, finely crystalline, slightly granular, scattered porosity, brown to golden brown stain, no show of free oil or odor in fresh samples.

3058-3062' Limestone; gray and white, fossiliferous, oocastic, fair fossil cast to oocastic porosity, spotty golden brown to brown stain, show of free oil and fair odor in fresh samples.

3079-3090' Limestone; white and tan, oolitic, chalky in part, scattered porosity, golden brown and brown stain, trace of free oil and questionable odor in fresh samples.

3095-3100' Limestone; gray and dark gray, fossiliferous, oolitic, poor visible porosity, trace brown and gray to black stain, no show of free oil and faint odor.

3108-3122' Limestone; gray and tan, oolitic, fossiliferous, fair porosity, poor brown stain, poor show of free oil and faint odor in fresh

samples.

3125-3134' Limestone; tan, oolitic, oocastic, fair oocastic porosity, poor light brown no show of free oil or odor in fresh samples.

3136-3141' Limestone; tan, oocastic, fair oocastic porosity, slightly cherty, (barren).

Drill Stem Test #1 3048-3148'

Times: 30-30-30-45

Blow: Strong; gas to surface 7 minutes, gas gauged as follows:

Initial Flow	
10 minutes	**17,200 cfgpd**
20 minutes	**15,400 cfgpd**
30 minutes	**10,900 cfgpd**
Final Flow	
10 minutes	**8,700 cfgpd**
20 minutes	**T.S.T.M.**
30 minutes	**T.S.T.M.**

Recovery: 255' gas cut mud

Pressures:

ISIP	**778**	**psi**
FSIP	**730**	**psi**
IFP	**94-105**	**psi**
FFP	**105-117**	**psi**
HSH	**1600-1600**	**psi**

3170-3175' Limestone; gray, very finely crystalline, oolitic, in part, chalky, poor porosity, no shows.

3180-3188' Limestone; brown, finely crystalline, oolitic in part, chalky, poor porosity, no shows.

3196-3204' Limestone; cream, oolitic, chalky, few oocastic, scattered porosity, no show and questionable odor in fresh samples.

3214-3222' Limestone; white and gray, oolitic, oocastic, poor visible porosity, no shows.

3231-3238' Limestone; as above.

3243-3252' Limestone; white and tan, cherty, poorly developed porosity, no shows.

3252-3270' Limestone; as above, few fossiliferous, poor porosity, no shows.

ORIGINAL

ARBUCKLE SECTION

3299-3300' Dolomite; white and tan, finely crystalline, slightly cherty, trace stain.

3300-3303' Dolomite; tan and buff, finely crystalline, sucrosic, scattered pinpoint to intercrystalline and few vuggy type porosity, trace brown and golden brown stain, show of free oil and fair odor in fresh samples.

Drill Stem Test #2 3263-3303'

Times: **30-30-30-30**

Blow: **Strong**

Recovery: **480' gas in pipe**
1250' muddy gassy oil
120' water

Pressures:			
	ISIP	**1000**	**psi**
	FSIP	**978**	**psi**
	IFP	**94-317**	**psi**
	FFP	**365-494**	**psi**
	HSH	**1635-1635**	**psi**

Rotary Total Depth 3303 (-1492)
Log Total Depth 3303 (-1492)

Recommendations:
On the basis of the favorable structural position and the positive results of Drill Stem Test #2, it was recommended by all parties involved to set and cement 5 ½" production casing at 3300' (three foot off bottom) and the following zones be tested in the Silica #2:

1.	Arbuckle	open hole completion methods	
2.	Lansing	3058-3061	perforate
3.	Lansing	3043-3046	perforate
4.	Douglas Sand	2933-2944	perforate

Respectfully submitted;

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