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October 6, 2008

To: **HOWELL OIL COMPANY, INC.**
2400 Riverbirch Rd
Hutchinson, Ks. 67502

Re: **SABIN # 4** **GL 1467'** **KB 1475'**
610' FSL1650'FWL *W2 SE SW*
Section 13-23S-4W
Reno County, Kansas

15-155-2536-0000

The Sabin # 4 was drilled to a rotary depth of 3500'. The open-hole log total depth was also 3500'. Pipe was set to further test the Mississippian section through perforation. Geological supervision was from 9/30/2008 through 10/1/2008. Drilling time, wet and dry samples were collected and analyzed from 2500' to Rotary Total Depth. The well was open-holed logged by LOG-TECH. Logs ran were Dual Compensated Porosity and Dual Induction. 5/1/2 casing was set on 10/2/2008.

13-23-4W

<u>FORMATIONS</u>	<u>LOG TOPS</u>	<u>SHOWS</u>
Heebner	2350 (-875)	
Douglas Sand	2448 (-973)	
Lansing-KC	2516 (-1041)	
Swope Porosity	2918 (-1443)	
Hertha Porosity	2966 (-1491)	
Base Kansas City	2992 (-1517)	
Cherokee Shale	3126 (-1651)	
Mississippian (Upper)	3260 (-1785)	Light Show oil
Mississippian Dolomite	3300 (-1825)	Good Show oil
*** Miss. Porosity (Howell Zone)	3312 (-1837)	Good Show oil
Lower Miss. Porosity	3350 (-1875)	Fair Show oil

DESCRIPTION OF SHOWS

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E-Log Intervals

Mississippian

3266-3264 (Upper Miss) *

Cherty Limestone, fossiliferous, white-cream fine in slight/fair intercrystalline porosity. Dull spotted fluorescence ~ 1 %, Slight odor, very slight show of free oil, scattered dark brown stain in a few pieces.

3284-95 (Upper Miss) *

Chert white/cream, devitrified, slight pinpoint and weathered porosity, dull fluorescence, stain ~ 15%. Fair odor, slight show free oil and gas.

3300-3406 (Miss. Dolomite) ***

Dolomite tan/brown good intercrystalline sucrosic porosity, fair dark brown staining. Dull fluorescence in 20%. Fair show free oil and some gas bubbles with good odor.

3314-3334 (Howell Zone) *****

Chert white cream, good weathered, pinpoint and vuggy porosity. Good shows free oil, strong odor, stain and bright fluorescence 20%. Slight shows of gas bubbles. Limestone, cherty white-cream finex in w/ fair porosity. Shows of free oil, stain and fluorescence in 10%. The zone overall was 70-80% chert.

3350-3366 (Lower Miss) ***

Chert and cherty limestone, white to cream, 10-20% with poor-fair visible pinpoint and weathered porosity. Dull fluorescence ~ 15%. Light odor, fair show of free oil, scattered stain brown to black residual. Some dolomite in samples with shows as above.

3380-3400 (Lower Miss.) *

Chert, white with fair porosity ~ 25%, very slight shows free oil, light fleeting odor, dull fluorescence < 5%. Limestone/dolomite cherty, poor intercrystalline fossil porosity. Trace shows free oil. Dolomitic in part with good porosity but mostly barren.

3422-50 (Lower Miss) *

Chert as above, with slight porosity, 95% fresh dense with trace shows and fluorescence in 1-2%. No odor. Limestone cherty, tan finex in w/ slight porosity but mostly barren. Some dolomites in samples with fair porosity, mostly barren.

SUMMARY

There were no sample shows observed above the Mississippian section that carried shows in multiple porosity benches described above. The best shows in the Mississippian were seen in the Dolomite (3300-3406), "Howell Zone" from (3314-3334) and the lower Miss. section from 3350-3396.

Based on sample shows, open-hole log evaluation and structural position pipe was set to further test the Mississippian section. It was also decided from past production and completion history of the area that the "Howell Zone" should be perforated first in the top few feet.

Respectfully Submitted;

Joe M. Baker- Geologist

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