

PAUL SEPTER

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GEOLOGICAL REPORT

Contractor: Damac Drlg. Co. SeRoBee & Shaffer #B-1 Werner
 Commenced: June 17, 1974 NE NW Sec. 18-32S-9W
 Completed: June 27, 1974 Harper County, Kansas

Gentlemen:

Following is the geological report on the above captioned well. Samples were examined from 3600 to total depth. Measurements were taken from the Kelly bushing.

Elevation: 1459 KB 1454 GL
 Surface Pipe: 8 5/8" set at 263 ft. with 225 sacks.
 Production Pipe: 5 1/2" set at 4334.
 Drill Stem Tests: One by Western Testers
 Electric Logs: None

Formation Summary

Lansing	3610 (-2151)
Base Kansas City	4125 (-2666)
Mississippian	4331 (-2872)
Total Depth	4350 (-2891)

Sample DescriptionsLansing-Kansas City

3610 - 4125 This series of limestones had numerous zones of porosity. No shows were observed.

Mississippian

4331 - 4340 Chert, white, some tan, some tripolitic, fair pinpoint and weathered porosity with fair spotted stain, faint odor, no free oil.

4340 - 4350 Chert, as above with good pinpoint porosity, fair spotted stain and slight show of free oil.

18-32-9W

Drill Stem Test No. 1; 4333 - 4350; Tool open 30 min.; shut in 30 min.; open 30 min.; shut in 30 min.; Strong blow, gas in one minute; gauged:


10 min.	. . . . .	5,700,000	CFGD
20 min.	. . . . .	5,370,000	CFGD
30 min.	. . . . .	5,200,000	CFGD
40 min.	. . . . .	5,370,000	CFGD
50 min.	. . . . .	5,200,000	CFGD
60 min.	. . . . .	5,200,000	CFGD

Recovered: 60 feet of clean oil
Flow Pressures: 814 - 441 psi.
Bottom Hole Pressures: 1281 - 1175 psi.

Recommendations

It is respectfully recommended that completion be made open hole in the Mississippian Osage with acid treatment and additional penetration only as necessary to facilitate production. In the event water is encountered with additional penetration, pipe is set three feet in the section to allow for the setting of a plug and perforating the top of the section to produce the gas.

Very truly yours,



Robert C. Lewellyn

RCL:dm

