

24-31-9W

GEOLOGICAL REPORT

SE RO BEE & SHAFFER

Darnes "A" #2

S/2 NE SE Sec.24-31-9W.

Harper County, Kansas

LEE POULSEN

PETROLEUM GEOLOGIST

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GEOLOGICAL REPORT

Contractor: Graves Drilling Co.      SeRoBee & Shaffer Darnes "A" #2  
 Commenced: October 17, 1975      S/2 NE SE Section 24-31-9w  
 Completed: October 24, 1975      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: 1587' K.B.      1576' G.L.  
 Surface Pipe: 8 5/8" @ 220' with 225 sacks.  
 Production Pipe: 5 1/2" @ 4372 ft. with 100 sacks.  
 Drillstem Tests: One by Halliburton.  
 Electric Logs: None

Formation Summary

Lansing .....	3602 (-2015)
Base-Kansas City .....	4154 (-2567)
Cherokee .....	4285 (-2698)
Mississippian .....	4370 (-2783)
Total Depth .....	4384 (-2797)

Sample DescriptionsLansing-Kansas City

3602 - 4154 Numerous zones of porosity were encountered in this series of limestones, no shows were observed.

Mississippian

4370 - 4375 Chert; White and gray, fresh to slightly weathered, slight scattered porosity and spotted staining, no free oil, no odor.

4375 - 4384 Chert; white, weathered to tripolitic, fair pinpoint and vugular porosity, much dark saturation, show of free oil, faint odor.

Drillstem Test 4372 to 4374'. Tool open 30 min., closed in 30 min. Open 90 min., Closed in 60 min.  
 Gas to surface in 17 min. Final and maximum gauge 33,200 cubic feet of gas per day.

24-31-72

Recovered 220 feet of frothy oil cut mud  
and muddy oil.

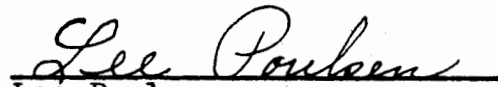
Flow Pressures: 37 - 56 & 56 - 93 psi.

Closed in Pressures: 1279 - 1260 psi.

Rotary Total Depth 4384 feet.

Production casing was set and cemented 12 feet off bottom at  
4372 feet.

Very truly yours,

  
Lee Poulsen