

ORIGINAL

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LEBSACK OIL PRODUCTION  
P.O. BOX 489  
HAYS, KANSAS 67601

Geological Report  
Heter No. 1-16  
670' FSL & 2285' FEL  
Section 16-T22s-R11w  
Stafford Co. Ks.

CONTRACTOR	Sterling Drilling Co.
Date Spudded	July 6, 2001
Date Rotary Completed	July 13, 2001
Total Depth	3585'
Surface Casing	8-5/8" @ 254'
Production Casing	5-1/2" @ 3584'
Elevations	1801' Ground 1810' Kelly Bushing
Measurement Zero	Kelly Bushing
Samples & Drilling Time logged	2400' to T.D.
Other Logs	Gas Detector-Electric Dual Induction and Density-Neutron

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Geological Formation Tops

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Formation	Drlg. Time Depth	Electric Log	Sub-sea Depth Elec. Log
Tarkio	2440	2439	- 629
Howard	2652	2659	- 849
Severy	2710	2714	- 904
Topeka	2766	2766	- 956
Heebner	3059	3055	- 1245
Brown	3201	3194	- 1384
Lansing	3225	3217	- 1407
Viola	3516	3505	- 1695
Simpson	3545	3538	- 1728
T.D.	3585	3579	- 1769

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Intervals of Interest, Electric Log

Severy  
2714-66

There was no sand evident in the samples or  
or indicated by the electric logs.

Lansing  
"D" Zone  
3261-66

tan, fine oolitic and oolicestic limestones,  
with light oil staining. Gas detector logged  
48 units. Log porosity 12%. Water saturation  
50-73%.

Drill Stem Test #3  
3250 - 75' mis-run

Drill Stem Test #4  
3244-69' There was a weak to fair strong blow, testing times:  
30/30" 30'/30' 30/30'/30'/3' The recovery was  
535' of mud with a show of oil.  
Pressures: ISIP-937 IFP 105/327  
FSIP-909 FFP 221/298

Viola  
3520-34

White chert with fine vuglar porosity and light  
oil staining. Gas Detector logged 100 units.  
Log porosity 20% porosity, water saturation 33-46%

Simpson  
3538-46

Clear fine grained sand. No oil shows evident  
in the samples. Gas Detector response was not  
accurate, because of gas in the mud system, from  
the Viola Chert.

DST No. 2 (Viola & Simpson)

3502-85 There was a very weak blow. Testing Times  
60/60 and 5/0. The  
recovery was 65' of mud with no show.  
Pressures ISIP - 735  
Flow Press -18/55 & 58/61

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Structure Comparison

SUMMARY

<u>FORMATION</u>	<u>Heter No. 1-16</u> <u>This well</u>	<u>N.E. Sleeper No.1</u> <u>Simpson Sand Oil</u> <u>well 3/8 Mile S.E.</u>
Lansing	-1407	- 1425
Viola	-1695	- 1730
Simpson Sand	-1728	- 1755

The samples, plus gas detector and electric logs indicate probable oil production in the Lansing "D" Zone and Viola chert. The Drill Stem Tests covering these intervals were not conclusive. It was recommended and casing was set to evaluate the well for commercial production.

Reported by

Wayne Lebsack

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