

DEC 5 1970

20-21-24W  
CNE SW

DRILLER LOG

#1 Bieber

CASING RECORD:  
288.39' of new 8-5/8"  
surface casing.

COMPANY: R. V. Lehner  
CONTRACTOR: Strata Drilling, Inc.

DESCRIPTION: C/NE SW  
Section 20-21S-24W  
Hodgeman County, Kansas

TOTAL DEPTH:  
4450'

COMMENCED: April 6, 1970  
COMPLETED: April 14, 1970

ELEVATION: 2319' KB

D. & A.

*Mis*

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Clay & Shale	0	290	Ran 288.39' of new 8-5/8" surface casing; set and cemented at 283.39' with 160 sacks of regular cement, 2% gel and 3% C. C. Plug down at 9:15 A. M. April 7, 1970.
Shale & Shells	290	307	
Shells, Blue Shale & Red Bed	307	782	
Shale	782	938	
#1 Anhydrite	938	947	
Shale & Red Bed	947	1032	
Shale	1032	1530	
Shale & Shells	1530	1541	
Anhydrite	1541	1578	
Shale & Shells	1578	2065	
Shale, Shells & Red Bed	2065	2504	
Shale & Lime	2504	2939	
Shale w/Lime Streaks	2939	3174	
Shale & Lime	3174	3520	
Lime, Shale & Sand	3520	3776	
Lime & Shale	3776	4325	
Lime	4325	4430	
Lime & Chert	4430	4440	
Lime	4440	4450	

*Sample Logs*

<i>Heebner</i>	<i>3755</i>
<i>Lansing</i>	<i>3803</i>
<i>J. F. Scott</i>	<i>4321</i>
<i>Chry Cong.</i>	<i>4397</i>
<i>Miss. Dal.</i>	<i>4412</i>

ROTARY TOTAL DEPTH 4450'

D. & A.

Plugged hole as follows: Plugged at 800' with 80 sacks of pozmix; plugged at 270' with 30 sacks of pozmix; plugged at 40' with 10 sacks of pozmix. Plug down at 6:00 P. M. April 14, 1970.