

4-B-17W

DRILLERS LOG

STAAB A-1 Survey
Geological
TECHNICAL BRANCH

CASING RECORD:

8 5/8" set at 248'

OPERATOR: Isern-Schultz

TOTAL DEPTH:

3598'

CONTRACTOR: Helberg Oil Compan

COMMENCED: July 1, 1981

COMPLETED: July 10, 1981

DESCRIPTION:

Center E $\frac{1}{2}$ SE NW
Sec 4, Twp. 13, Rge. 17 $\frac{1}{4}$ West.

<u>FORMATION</u>	<u>TO</u>	<u>FROM</u>	<u>REMARKS</u>
Sand & Shale	0	263	
Sand & Shale	263	750	
Sand & Shale	750	1316	
Anhydrite	1257	1301	
Shale	1316	1905	
Shale	1905	2110	
Lime & Shale	2110	2257	
Lime & Shale	2257	2350	
Shale	2350	2409	
Lime & Shale	2409	2538	
Lime & Shale	2538	2665	
Lime & Shale	2665	2783	
Lime & Shale	2783	2904	
Shale	2904	3046	
Shale	3046	3139	
Shale	3139	3193	
Shale	3193	3275	
Shale	3275	3354	
Lime	3354	3417	
Lime	3417	3445	
Lime	3445	3506	
Lime	3506	3566	
Lime	3566	3598	
T.D.	3598		Run 4 $\frac{1}{2}$ " casing

I certify that the above is a true and correct copy of the log to the best of my knowledge.

Helberg Oil Company
Jerry M. Helberg
Jerry M. Helberg

Subscribed and sworn to before me this 5 day of Aug, 1981.