

DRILLER'S WELL LOG

Marquardt #1-28  
C SW SW 28-32S-40W  
Morton County, Kansas

Hugoton Energy Corporation  
Commenced: April 22, 1991  
Completed: May 3, 1991

K C C

Elevations: 3356' GL 3368' KB

0' - 340' Sand  
340' - 975' Sand & Red Beds  
975' - 1635' Red Beds  
1635' - 2323' Shale  
2323' - 2960' Shale  
2960' - 3465' Dolomite  
3465' - 4145' Dolomite  
4145' - 4625' Lime & Shale  
4625' - 4880' Lime  
4880' - 5130' Lime & Shale  
5130' - 5365' Morrow Sand  
5365' - 5625' Shale  
5625' - 5680' Chester  
- 5680' RTD

MAY 21 1991

Surface Casing: Set 39 jts.  
8 5/8" x 23# at 1631'. Cemented  
w/570 sacks 35/65, 6% D20, 2% cc,  
1/4# D29 per sack, and 125 sacks "C",  
2% cc, 1/4# D29 per sack.

Production Casing: Set 144 jts.  
4 1/2" x 10.5# at 5619'. Cemented  
w/150 sacks "C", (first stage).  
250 sacks 65/35 clas "C", 1/4#  
Flocele per sack. (second stage).

AFFIDAVIT

STATE OF KANSAS )  
 ) SS.  
COUNTY OF SEDGWICK )

Alan D. Bauta of lawful age does swear and state  
that the facts and statements herein are true to the best of his knowledge.

Alan D. Bauta

Subscribed and sworn to me this 17<sup>th</sup> day of May, 1991.

My commission expires: May 13, 1995

Sondra J. Follis  
Sondra J. Follis NOTARY PUBLIC

