Wichita, Kansas

JAN 4 1969

12-31-6W

ROTARY DRILLING LOG

Operator: Rains & Williamson Oil Co., Inc.
HUDSON #1
C SW NW 13-31S-6W
Harper County, Kansas

Contractor: Rains & Williamson Oil Co., Inc.
Commenced: 12-4-68
Completed: 12-17-68

Casing: 8-5/8"/257'/200 sx.
Prod. Dry

Formations

Red Bed	125'
Red Bed and Shale	257'
Shale	975'
Shale and Lime	1535'
Lime and Shale	1885'
Shale	2425'
Lime and Shale	2625'
Shale	3105'
Shale and Lime	3217'
Shale	3594'
Lime and Shale	3710'
Lime	4703'
Rotary Total Depth (D & A)	**4703'**

We certify the above log is true and correct to the best of our knowledge and belief.

RAINS & WILLIAMSON OIL CO., INC.

Wilson Rains

Subscribed and sworn to before me, a Notary Public within and for the State of Kansas, County of Sedgwick, this 26th day of December, 1968.

Sherry Gish Notary Public

My Commission Expires:
June 30, 1971

NOTARY PUBLIC SEDGWICK CO. KANS.