4-15-13W

COPY

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: Bennett & Schulte Oil Company
P. O. Box 329
Russell, Kansas 67665

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Heffernan WELL #5

LOCATION: NW SW NE
Section 4-15S-13W
Russell County, Kansas

LOGGERS TOTAL DEPTH: 3200'

ROTARY TOTAL DEPTH: 3200'

ELEVATION: 1727' K.B.

COMMENCED: 7/1/91

COMPLETED: 7/6/91

CASING: 8-5/8" @ 232' w/150 sks cement
5-1/2" @ 3155' w/150 sks cement (Bottom Stage)
w/375 sks cement (Top Stage)

STATUS: Oil Well

DEPTHS & FORMATIONS

(All measurements from K.B.)

Dakota Sand	248'	Heebner	2827'
Red Bed	319'	Toronto	2844'
Cedar Hills	458'	Lansing-Kansas City	2893'
Shale	489'	Base Kansas City	3156'
Anhydrite	693'	Conglomerate	3174'
Shale	723'	R.T.D.	3200'
Tpkela	2593'		

RECEIVED
STATE CORPORATION COMMISSION
NOV 7 1991

STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.

Kyle B. Branum

Subscribed and sworn to before me on July 9, 1991.

My commission expires: February 6, 1992.

GLENDA R. TIFFIN
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES 2-6-92

Glenda R. Tiffin, Notary Public

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STATE CORPORATION COMMISSION
NOV 7 1991
CONSERVATION DIVISION
Wichita, Kansas