

EMPHASIS OIL OPERATIONS

P. O. Box 506

Russell, Kansas 67665-0506

DRILLERS LOG

OPERATOR: Columbia Petroleum, Inc.
Suite 8, Parkade Plaza
Columbia, MO 65201

CONTRACTOR: Emphasis Oil Operations
P. O. Box 506
Russell, Kansas 67665-05

LEASE: Kriley 'G' WELL: #1 X

LOCATION: 1230' FSL & 330' FEL of SW/
Section 20-7S-17W
Rooks County, Kansas

Total Depth: 3312'

Elevation: 1761'

Commenced: 4-23-83

Date Completed: 4-20-83

Casing: 8-5/8" @ 1190' with 425 sks cement
5-1/2" @ 3309' with 175 sks cement

Status: Oil Well

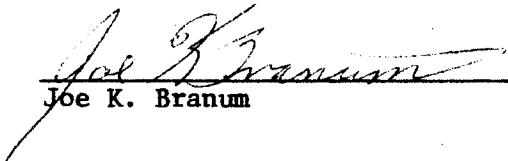
DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Sand	25'	Lime	2785'
Sand & Shale	1121'	Shale	2876'
Shale	1180'	Shale & Lime	2978'
Anhydrite	1216'	Lime	3212'
Shale	2639'	Shale	3244'
Shale & Lime	2680'	Lime (L.T.D.)	3312'

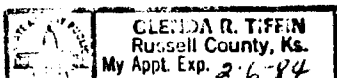
STATE OF KANSAS)
) ss:
COUNTY OF RUSSELL)

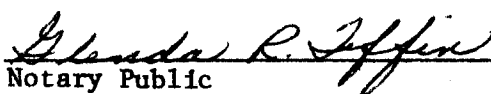
Joe K. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Joe K. Branum

Subscribed and sworn to before me this 3rd day of May, 1983.

My Commission Expires: February 6, 1984.




Notary Public