

EMPHASIS OIL OPERATIONS

P. O. Box 506

Russell, Kansas 67665

DRILLERS LOG

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

CONTRACTOR: Emphasis Oil Operations
P. O. Box 506
Russell, KS 67665

LEASE: Kriley 'F' WELL: #1

LOCATION: SW SE NW
Section 20-7S-17W
Rooks County, Kansas

Total Depth: 3278'

Elevation:

Commenced: 1-8-82

Completed: 1-15-82

Casing: 8-5/8" @ 1146' with 400 sks cement
5-1/2" @ 3276' with 150 sks cement

Status: Oil Well

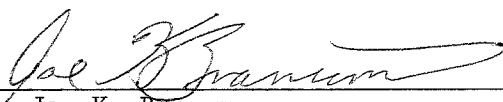
DEPTHS & FORMATIONS

(All measurements from K.B.)

Sand & shale	253'	Shale & lime	3188'
Shale	2768'	Lime (R.T.D.)	3278'

STATE OF KANSAS)
 ss:
COUNTY OF RUSSELL)

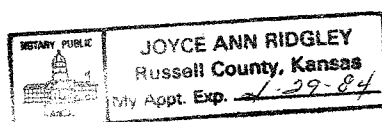
I, Joe K. Branum, of Emphasis Oil Operations, state that the above and foregoing is a true and correct log of the above captioned well.

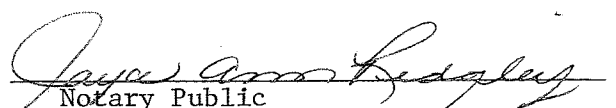


Joe K. Branum

Subscribed and sworn to before me this 18th day of January, 1982.

My Commission Expires: April 29, 1984.





Notary Public