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December, 1939.

Empire #1-A Sifers,
NE NE SW, 3-21S-11W,
Elevation 1776'.

Pennsylvanian conglomerate, 3320-3324'.
3320-3324 Sand and chert.

Arbuckle Top 3324' Penetration 19' Sub-sea, minus 1548'.
3324-3336 Upper Miller. At least five feet are absent
and the chert content is unusually high, in
part due to concentration and in part to the
secondary formation of clear chalcedony.
3336-3343 Lower Miller. Has some criteria suggestive of
Purcell.

This producer has a section which has been
dissolved and refilled with considerable silica.
The interpretation given above is conservative.
There is a possibility that 3336' represents the
top of the Purcell, in which case erosion would
have removed 23' of section. However, the least
which could have been removed is five feet, making
the restored top 3319', or -1543'.