

Palmer and Hinkle #1 Kinkis Phelan,
 SE corner, 2-17S-10W.
 Elevation 1817'

Pennsylvanian conglomerate. 3272-3298'
 3272-3283 Variegated shales and pink nodular lime.
 3283-3290 " " , fine sand with rare chert.
 3290-3296 " " .
 3296-3298 Sand, fine. Pale green shale from Arbuckle.

Ordovician	Top 3298'	Sub-sea, minus 1481'	
Arbuckle	3298-3325'	Penetration 27'	sub-sea minus 1481'
3298-3299	Miller, zone 10.	1'	
3299-3305	Purcell, zone 3	6'	
3305-3308	Purcell, zone 4	3'	
3308-3313	Purcell, zone 5	5'	sub-sea minus 1491'
3313-3323	Purcell, zone 6	10'	oil show 3318-3320'
3323-3325	Purcell, zone 7	2'	
3325-3344	No samples		water 3338-3344'

Correlated from Prairie #1 Stratman, 1-17S-10W.

Remarks: The top of the Arbuckle as determined by Price is 3309', a point which is a better top from a practical standpoint than 3298', for the reason that the lime is badly weathered and contains both Pennsylvanian clay and residual Arbuckle shale. An Arbuckle shale layer which occurs in zone 4 helps to increase the shale content. The chert sequence from 3298-3309' is normal, except for evidences of weathering, and is sufficient to establish the top at 3298'