B
Southwest

B′
Northeast

1
Phillips Petroleum Co.
Ellithorpe "A" No. 1
W2 E2 SE 12, T. 3 N., R. 3 W.
Field: Golden Trend
KB: 979 ft

18 Miles

2
Christie Stewart Drilling Co.
Moore No. 1
SE NE SW 23, T. 3 N., R. 1 E.
Field: Wynnewood North
KB: 866 ft

Cross-section E tie

12 Miles

3
Universal Resources Corp.
Miller No. 1-16
NW SW NE 16, T. 4 N., R. 4 E.
Field: Wildcat
KB: 1,117 ft

23 Miles

4
Keener Oil & Gas Co.
A-1 Nadel & Gusman
S2 SW NW 33, T. 7 N., R. 6 E.
Field: Konawa-Dora
KB: 912 ft

16 Miles

5
Pawnee Petroleum Co.
Rentie No. 1
W2 NW NE 23, T. 9 N., R. 6 E.
Field: Seminole
KB: 889 ft

17 Miles

6
Santa Fe Minerals
Thompson No. 3-1
N2NW NW 3, T. 9 N., R. 9 E.
Field: Papoose
KB: 805 ft

Cross-section D tie

19 Miles

7
Marshall & Young Oil Co.
Strafford No. 26-2
SE NW NE 26, T. 12 N., R. 11 E.
Field: Sheldon Southeast
KB: 950 ft

19 Miles

8
The Texas Co.
Texas Fee Nct #2
NW 11, T. 14 N., R. 11 E.
Field: Beggs District
KB: 818 ft

10 Miles

9
Mott Oil & Gas
Miller No. 2-6
NW SW NE 2, T. 15 N., R. 13 E.
Field: Hector
KB: 725 ft

16 Miles

10
Kayo Corp.
Williams No. 19
SW 24, T. 17 N., R. 15 E.
Field: Coweta District
KB: 950 ft

Datum: Top of Viola Group

Viola Group

Simpson Group — Upper / Middle / Lower

Arbuckle Group

Pauls Valley Uplift

Viola
Bromide sandstone
Tulip Creek sandstone
McLish
basal McLish sandstone
Oil Creek
basal Oil Creek sandstone
Joins
Arbuckle
Seminole
Bromide sandstone
Tulip Creek sandstone
McLish sandstone
Oil Creek
Joins
Arbuckle
Tyner
Burgen
Powell / Arbuckle

TD: 10,354 ft
Drilled: 1981
Bromide 2 BOPD and 39 MCFGPD (8,066–8,072 ft)
Cumulative Production: 48,948 BO and
161,282 MCF (1981–1987)

TD: 5,196 ft
Drilled: 1983
Bromide 9 BOPD and MCFGPD (3,208–3,212 ft)
Cumulative Production: 12,707 BO (1983–1985)

TD: 3,850 ft
Drilled: 1984

TD: 5,550 ft
Drilled: 1996

TD: 7,261 ft
Drilled: 1968
Earlsboro 100 MCFGPD (3,056–3,066 ft)
2nd Wilcox 50 BOPD (4,010–4,068 ft)
Cumulative Production:
2nd Wilcox: 247,442 BO and 41,484 MCFG (1968–1992)
Hunton/Wilcox: 73,941 BO and 17,176 MCFG (1992–2015)

TD: 5,500 ft
Drilled: 1983

TD: 4,891 ft
Drilled: 1981
Wilcox 5 BOPD (3,575–3,583 ft)
Cromwell 135 MCFGPD (2,832–2,836 ft)
Booch 25 BOPD (2,254–2,262 ft)
Cumulative Production: 8,000 BO (1981–1992)

TD: 3,867 ft
Drilled: 1953
Burgen 172 BOPD (3,004–3,015 ft)
Cumulative Production not available

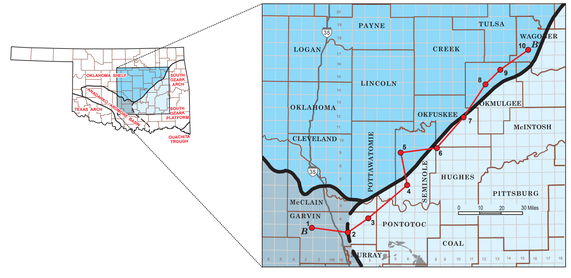
TD: 3,800 ft
Drilled: 1984
Dutcher 2,500 MCFGPD (1,890–1,910 ft)
Cumulative Production: 132,165 MCFG (1984–1988)

TD: 3,285 ft
Drilled: 1988

PLATE 11
STRATIGRAPHIC CROSS SECTION B–B′ (SOUTHWEST–NORTHEAST)

By
Raymond Suhm
2016

Notice regional thinning of formations of the Simpson Group from basin to platform, coincident with unconformable overstep by the Viola Group. Red lines represent readily recognized horizons on electric logs that are considered to be time lines. They enable the Simpson Group to be divided into three "sequences." The cross section also exemplifies the "blanket-like" distribution of Simpson sandstones, in contrast with the less extensive Seminole sandstone in the basal Viola seen in Wells #4 and #5. Wells #1 and #2 are within the Golden Trend Field where velocity contrasts within Simpson strata generate excellent seismic data such as shown on Figure 26.



Explanation

- Sandstones of the Simpson Group
- Shale and sandy carbonates of the Simpson Group
- Carbonates of the Arbuckle and Viola Groups