E
Northwest

E′
Southeast

Cross-section A tie
Cross-section B tie
Cross-section C tie

1 DLB Oil & Gas Inc. Gail #25-1 NE 25, T. 24N., R.13W. Field: Oakdale KB: 1,402 ft
27 Miles
2 Universal Resources Corp. Dixon No. 2-18 S2 SW SW 18, T. 21 N., R. 9 W. Field: Sooner Trend KB: 1,260 ft
12 Miles
3 Continental Trend Resources Inc. Leisher 1-9 NE NE NW 9, T. 19 N., R. 10 W. Field: Ringwood KB: 1,234 ft
27 Miles
4 Marlin Oil Co. Grishow #1 NW 14, T. 16 N., R. 7 W. Field: Okarche North KB: 1,086 ft
9 Miles
5 Brown & Borelli, Inc. Schroder #1-30 SE NW SE 30, T. 15 N., R. 6 W. Field: Sooner Trend KB: 1,193 ft
21 Miles
6 Cugsta Energy Corp. Stinchcomb #1 C SW NE 7, T. 12 N., R. 4 W. Field: Wildcat KB: 1,295 ft
28 Miles
7 Anson Co. Herb Tullius No. 1-16 SE SE NW 16, T. 8 N., R. 2 W. Field: Nobel Northwest KB: 1,178 ft
9 Miles
8 Anson # 1-21 Northcutt SE 21, T. 7 N., R. 1 W. Field: Alamo South KB:
20 Miles
9 E P Operating Halverson No. 5-1 E2 SW SW 5, T. 4 N., R. 2 E. Field: Byars Southwest KB: 982 ft
16 Miles
10 Jones & Pellow Oil Co. Drake No. 1 NW SW 29, T. 2 N., R. 2 E. Field: Wildcat KB: 914 ft
3 Miles
11 Crusader Energy II Graves #1-32 NW SW SE 32, T. 2 N., R. 1 E. Field: Hoover KB: 931 ft
20 Miles
12 Reading & Bates Petroleum Co. Future Enterprise No. 1 E2 NW SE 18, T. 2 S., R. 3 E. Field: Wildcat KB: 918 ft
19 Miles
13 Davis Edward M. 1 Fred A Chapman NW NW 16, T. 4 S., R. 5 E. Field: Wildcat KB: 659 ft
12.5 Miles
14 Cimarex Energy No. 22 Little 106 E2 SW SW 27, T. 5 S., R. 7 E. Field: Cumberland KB: 599 ft

GR SP RES

Datum: Top Viola

Viola Group
Simpson Group Upper
Middle
Lower
Arbuckle Group

Viola
Seminole sand
Bromide
Tulip Creek
Oil Creek
Basal Oil Creek/Joins Interval
McLish
Ames Crater Fill
Arbuckle

Pauls Valley / Arbuckle Uplift

Seminole dolomite
basal McLish
Joins
Birdseye Ls.

TD: 8,500 ft
Drilled: 1996
Simpson 1,200 MCFGPD (7,503–7,570 ft)
Hunton & Mississippi 3 BOPD and 61 MCFGPD (6,482–7,206 ft)
Mississippian 14 BOPD and 262 MCFGPD (6,482–6,614 ft)
Cumulative Production:
Hunton & Mississippi
47,440 MCFG (2009-2015)
Oswego, Manning & Mississippi
1,171 BO and
77,287 MCFG (1996–1998)
Mississippian 5,992 BO and
124,738 MCFG (2000–2014)

TD: 9,350 ft
Drilled: 1992
Arbuckle (Joins in this report)
95 BOPD (9,060–9,090 ft)
Hunton 112 BOPD and
48 MCFGPD (7,960–7,970 ft)
Cumulative Production:
Hunton 71,551 BO and 62,241 MCGF
(1994–2001)
Arbuckle 10,358 BO
(1992–1994)

TD: 10,300 ft
Drilled: 1990
Chester and Simpson 9 BOPD and
130 MCFGPD (7,406–9,180 ft)
Cumulative Production: 10,562 BO and
218,884 MCFG (1990–2015)

TD: 11,600 ft
Drilled: 1982
Mississippian 30 BOPD (7,935–8,024 ft)
Cumulative Production:
2,323 BO (1982–1985)

TD: 11,095 ft
Drilled: 2008
Arbuckle (basal Oil Creek/Joins in this report)
1 BOPD and 175 MCFGPD (9,757–9,762 ft)
Cumulative Production:
739 BO and 96,151 MCFG (2008–2015)

TD: 11,556 ft
Drilled: 1987

TD: 11,895 ft
Drilled: 1989

TD: 10,770 ft
Drilled: 1990
Bromide 303 BOPD and 50 MCFGPD (7,376–7,390 ft)
Viola 224 BOPD and 775 MCFGPD (7,148–7,162 ft)
Cumulative Production:
95,948 BO (1990–2015)

TD: 6,000 ft
Drilled: 1992

TD: 4,154 ft
Drilled: 1968

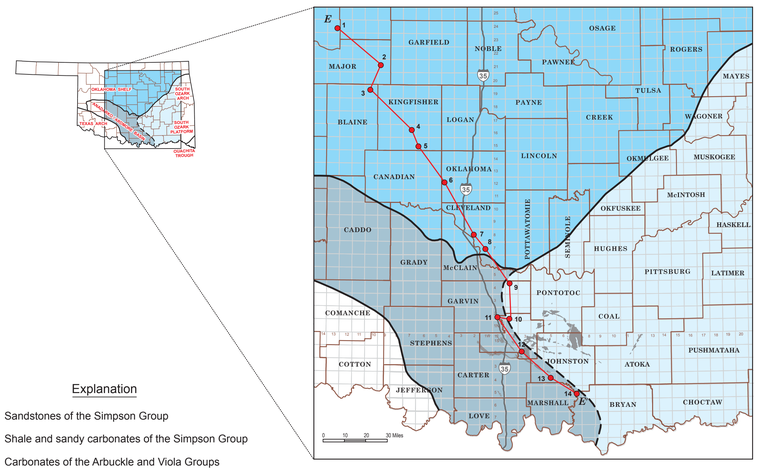
TD: 6,489 ft
Drilled: 2013
Tulip Creek 47 BOPD (5,102–5,116 ft)
Bromide 143 BOPD (4801–4826 ft)
McLish 30 BOPD (5356–5364 ft)
Cumulative Production:
265,696 BO (2006–2015)

TD: 4,629 ft
Drilled: 1980

TD: 8,684 ft
Drilled: 1977

TD: 6,940 ft
Drilled: 2008
Viola 185 MCFGPD (3,967–4,520 ft)
Cumulative Production:
170 BO and
175,112 MCFG
(2008–2015)

Arbuckle Group



Explanation

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

PLATE 14
STRATIGRAPHIC CROSS SECTION E–E′ (NORTHWEST–SOUTHEAST)

By
Raymond Suhm
2016

The section extends southeast from the Anadarko Shelf (called Oklahoma Shelf during Simpson deposition) toward the edge of the Ardmore Basin. The time-equivalent sequences of the lower and middle Simpson thin and overstep one another northward toward Kansas. The upper Simpson sequence of the Bromide Formation shows less northward thinning than the lower and middle sequences. The Bromide, similarly, oversteps the middle sequence of the Simpson. The Bromide, in turn, is truncated by northward overstep of the Viola. To account for McLish fill in Ames Crater in Major County in Well #2, meteoroid impact took place after deposition of the Oil Creek Formation but before McLish. Seminole sandstone and dolomite of the Viola Group are not distinguishable in wells south of Well #9. The Pruitt Ranch Member (Birdseye limestone) is seen south of Well #11 in basinal positions.