

SUN PRODUCTION DIVISION
Peavey "A" #9
SEC. 13-T11S-R18W
Ellis County, Kansas

Elev.-GL. 1898.7 KB-1907

Top of the Arbuckle group 3367 (-1460). Original depth was 3364.
Attempted to core 9/8/82.

Core #1-3364-3368.5 core barrel jammed, cored 4.5 ft. 66% recovery (3 ft.).

Core #2-3368.5-3374 cored 5.5 ft. core barrel jammed 72% recovery (4 ft.).

Core #3-3374-3379 cored 5 ft. core barrel jammed 90% recovery (4.5 ft.).

Core #4-3379-3384 cored 5 ft. core barrel jammed 70% recovery (3.5 ft.).

Core #5-3384-3388 trip in hole w/core barrel brakes slipped barrel hit bottom. Trip out to check bit, bit OK. Cored 4 ft. core barrel jammed 8.75% recovery (3.5 ft.).

Core #6-3388-3388.5 cored .5 ft. core barrel jammed 100% recovery (.5 ft.).
Coring abandon resume drilling at 3385.

Core #1, 3364-3368.5 4 1/2' - Rec. 3'

- 3364-65.5 Ls - fossiliferous packstone, lt. gray - buff, md. gr., few
lrg. vugs, alternating \emptyset stringers w/gd bleeding (Simpson).
3365.5-66.5 Sh., blue-grn., v. soft, vfg, laminated, sharp contacts
w/overlying Simpson and underlying Arbuckle.
3366.5-67 Dolo., lt. gry-buff, coarsely xtalline vugular, sandy, good
stain, slight bleed (Arbuckle).

Core #2, 3368.5-3374 5 1/2' - Rec. 4' 72%

- 3368.5-69 Sh., dk. gry., vfg, very soft, dense.
3369-69.6 Dolo., lt. gry.-buff, coarsely xtalline, vugular, sandy,
few small chert clasts, slight stain, very slight bleed.
3369-6-70 Dolo., lt. gry, coarsely xtalline, suerosic, pinpoint \emptyset
porosity, good saturation, heavy bleed.
3370-70.5 Dolo., lt. gry.-buff, vfg, dense, vugular, few white chert
clasts, slight stain, slight bleed.
3370.5-71 Dolo., lt. gray, coarsely xtalline, sucrosic, gd. intercrystalline
 \emptyset , gd. saturation, heavy bleed.
3371-71.5 Dolo., white-gray with thin green sh. laminae, dense, slight
intercrystalline \emptyset , good stain, fair bleed.
3371.5-71.7 Sh., blue-green, very soft, laminated, few small white chert clasts.
3371.7-72 Sh., blue-green, very soft, poor recovery.

Core #3, 3374-79 5' - Rec. 4.5' 90%

- 3374-74.8 Dolo., lt. gray-brown, very fine-grained, dense, sandy, with shale laminae, very slight bleed.
- 3374.8-75 White chert lens with some blue-green sh.
- 3375-75.6 Dolo., brown, very fine-grained, rotten, slightly vugular, few thin chert lens, no visible \emptyset , no stain.
- 3375.6-75.7 White chert lens.
- 3375.7-76 Dolo., medium gray, very fine-grained, dense, oolitic at top, slight pinpoint \emptyset , no stain.
- 3376-76.2 Dolo., brown, very fine-grained, dense, slight pinpoint \emptyset , good bleeding.
- 3376.2-77 Dolo., lt. gray-brown, very fine-grained, dense, abundant chert clasts, slight pinpoint \emptyset , no stain.
- 3377-77.3 Dolo., brown, fine-grained, few white chert clasts, good bleeding.
- 3377.3-78.2 Dolo., brown, fine-grained, alternating green sh and white chert laminae, spotty bleeding.
- 3378.2-78.5 Sh., blue-green, very fine-grained, very soft.

Core #4, 3379-3384 5' - Rec. 3 1/2' 70%

- 3379-79.5 Dolo., light gray-brown, very fine-grained, dense, no visible \emptyset , slight spotty stain.
- 3379.5-80.2 Dolo., lt. gray, fine-grained, xtalline, sandy, vugular, small chert clasts, good saturation, heavy bleeding.
- 3380.2-80.8 Dolo., brown, very fine-grained, dense, lrg. chert clasts, good bleeding.
- 3380.8-81 Chert lens, white, very hard, dense.
- 3381-81.2 Dolo., med. gray, coarsely crystalline, few small chert clasts, good pinpoint \emptyset , slight stain.
- 3381.2-82.5 Dolo., lt. gray, coarsely crystalline, very sandy, small thin green shale partings, slightly vugular, good pinpoint \emptyset , very heavy bleeding.

Core #5, 3384-88 4' - Rec. 3 1/2'

- 3384-84.4 Dolo., lt. gray, very fine-grained, xtalline, thin green sh. laminae, slight pinpoint \emptyset , slight stain & bleed.
- 3384.4-84.6 A/A, w/exllnt. pinpoint \emptyset , good saturation, heavy bleeding.
- 3384.6-84.9 Dolo., lt. gray, very fine-grained, very dense, few green shale inclusions, thin dark shale laminations, some white chert, no visible \emptyset , no stain.
- 3384.9-85.2 Sh., lt. gray, med. hardness.
- 3385.2-85.3 Chert lens, white, hard.
- 3385.3-85.6 Dolo., lt. gray - buff, very fine-grained, dense, rotten, vugular, slight pinpoint \emptyset , spotty bleed.
- 3385.6-86.5 Dolo., lt. gray, coarely crystalline, sandy rotten, few small vugs towards base, excellent pinpoint \emptyset , good saturation, heavy bleeding.
- 3386.5-87.2 Dolo., buff, very fine-grained, dense, few small vugs, green shale with chert lens, very slight stain.

Core #5 Cont'd

3387.2-87.6 Dolo., buff, very fine-grained, dense, rotten, vugular, slight bleed.

Core #6, 3388-88.5 - Rec. 100%

3388-88.5 Dolo., lt. gray, very fine grain, xln, slightly rotten, few good pinpoint porosity stringer's, spotty stain bleeding, few small vugs w/no stain.

<u>Coring Time</u>	<u>Remarks</u>
3364-68-12, 22, 12, 40	Barrel Jammed
3368-74-23, 11, 10, 8, 22, 39	A/A
3374-79-30, 14, 21, 18, 44	A/A
3379-84-30, 24, 18, 15, 14	A/A
3384-88-16, 27, 25	A/A
3388-88.5-69	A/A coring program abandon resumed drilling at 3388.5

Ken Cook